

November 29, 2012

**VIA Electronic Filing**

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

**Re: Supplement to July 31, 2012 Annual Informational Filing Regarding ISO  
Tariff Charges in Effect as of June 1, 2012, 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 electronically submits for informational purposes this letter and supporting materials to supplement its July 31, 2012 informational filing in the above captioned proceeding.

**I. Background**

On July 31, 2012, the PTOs submitted to the Commission an informational filing ("July 31 Informational Filing") identifying updated rates for regional transmission and scheduling, system control and dispatch services pursuant to Commission-approved formula rates contained in Attachment F and Schedule 1 under Section II of the ISO Tariff. These charges were based on actual cost data for calendar year 2011 and estimated data for calendar year 2012 and became effective as of June 1, 2012.

Pursuant to Section II, Attachment F and Schedule 1 of the ISO Tariff, the PTOs are required to submit an informational filing to the Commission annually before July 31, of each year reflecting the calculation of regional transmission rates based on the most recent calendar year data. The ISO Tariff also makes provision for revising the informational filing, and hence the rates for regional transmission services, in the event that an error is found or if there is a change to the underlying data used in the calculation of the rates. Under Schedule 1 and Attachment F, "[i]f there are any corrections made to the information reflected in the informational filing after it has been submitted, the PTOs will file corrections to the informational filing."<sup>1</sup> Attachment F makes clear that an informational filing "does not reopen the formula rate...but rather is contestable only with respect to the accuracy of the information contained in the informational filing."

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<sup>1</sup> *ISO Tariff*, Section II, Schedule 1, and Attachment F.

## **II. Description of Adjustments Made to the July 31, 2012 Annual Informational Filing**

This supplemental filing contains revised information from Massachusetts Municipal Wholesale Electric Company (“MMWEC”) and Central Maine Power Company (“CMP”). These revisions do not change the Regional Network Service (“RNS”), Through or Out (“TOUT”) Service, and Scheduling, System Control & Dispatch Service (Schedule 1) rates effect for the period beginning June 1, 2012 through May 31, 2013.

The revised information for MMWEC reflects the consolidation of certain member information into MMWEC rather than listing the MMWEC members as individual PTO’s. These members are represented by MMWEC under the Transmission Operating Agreement (“TOA”).

The revised information for CMP reflects correction of a footing error in the Total column for Pooled Transmission Facilities (“PTF”) revenue requirements. Since this total column is not used in the RNS or TOUT rate calculations there was no impact to the rates.

The revised support sheets for Schedule 1 and Schedule 9 are included in Attachment 1 to this filing and the revised information for MMWEC and CMP are included in Attachments 2 and 3, respectively.

## **III. Charges Resulting from the Adjustments Reflected in This Supplement to the July 31, 2012 Annual Informational Filing**

There is no change to the RNS, TOUT and Schedule 1 rates as a result of the revised information.

## **IV. Attachments and Additional Supporting Information**

- This Transmittal Letter;
- Revised support sheets for Schedule 1 and Regional Network Service (Schedule 9) for rates effective June 1, 2012 – May 31, 2013 (Attachment 1);
- MMWEC’s revised support payment and revenue requirement worksheets (Attachment 2);
- CMP’s revised PTF revenue requirement worksheet for 2011 (Attachment 3);
- Service List of state regulators and other interested parties (Attachment 4); and
- List of Participating Transmission Owners sponsoring this supplemental informational filing (Attachment 5).

## **V. Communications**

The PTOs request that correspondence and communications with respect to this supplement to the July 31, 2012 Informational Filing in this proceeding be addressed to the representatives of the PTOs identified in Attachment 5. Accordingly, the PTOs request that these individuals be entered on the official service list maintained by the Secretary in this proceeding.

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 4 identifies the entities to which this filing has been sent. In addition, Attachment 5 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 Work Group  
On behalf of the PTO Administrative Committee

Attachments

cc: Persons and Entities identified in Attachments 4 and 5.

**Attachment 1**

**Revised Support Sheets for Schedule 1 and Regional Network Service (Schedule 9) for  
Rates Effective June 1, 2012 – May 31, 2013**

## DETAIL (revised)

| ISO NE Transmission, Markets & Services Tariff                                 |            |             |                                             |                                                                         |                                                          |                 |                                         |                                                                          |                 |                       |                 |                                           |                 |                   |                     |                                         |                                                                               |                 |    |                                 |                       |
|--------------------------------------------------------------------------------|------------|-------------|---------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------|-----------------|-----------------------------------------|--------------------------------------------------------------------------|-----------------|-----------------------|-----------------|-------------------------------------------|-----------------|-------------------|---------------------|-----------------------------------------|-------------------------------------------------------------------------------|-----------------|----|---------------------------------|-----------------------|
| OATT Regional Schedule 1 - Scheduling System Control and Dispatch Service Rate |            |             |                                             |                                                                         |                                                          |                 |                                         |                                                                          |                 |                       |                 |                                           |                 |                   |                     |                                         |                                                                               |                 |    |                                 |                       |
| Effective June 1, 2012 - May 31, 2013                                          |            |             |                                             |                                                                         |                                                          |                 |                                         |                                                                          |                 |                       |                 |                                           |                 |                   |                     |                                         |                                                                               |                 |    |                                 |                       |
| (Reflecting 2011 Schedule 1 Costs)                                             |            |             |                                             |                                                                         |                                                          |                 |                                         |                                                                          |                 |                       |                 |                                           |                 |                   |                     |                                         |                                                                               |                 |    |                                 |                       |
| (Revised on 11/29/12)                                                          |            |             |                                             |                                                                         |                                                          |                 |                                         |                                                                          |                 |                       |                 |                                           |                 |                   |                     |                                         |                                                                               |                 |    |                                 |                       |
|                                                                                |            |             |                                             | 1                                                                       | 2                                                        | 3               | 4                                       | 5                                                                        | 6               | 7                     | 8               | 9                                         | 10              | 11                | 12                  | 13                                      | 14                                                                            | 15              |    | 16                              |                       |
|                                                                                | Customer # | DUNS        | DUNS Name                                   | Total of FERC acct 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 (6x7) | 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 <b>must be negative</b> | TOTAL (8+13+14) |    | SCHEDULE 1 Revenue Allocation % |                       |
| 1                                                                              | 3          | 00-695-1552 | NSTAR                                       |                                                                         |                                                          |                 |                                         | 6,405,380                                                                | 6,405,380       | 85.5662%              | 5,480,840       |                                           |                 |                   | -                   | -                                       | (273,889)                                                                     | 5,206,951       | 1  | 14.41560%                       | NSTAR                 |
| 2                                                                              | 2          | 00-694-9002 | Bangor Hydro Transmission                   | 508,341                                                                 |                                                          | 508,341         | 508,341                                 |                                                                          | 508,341         | 68.7136%              | 349,299         | 281,424                                   |                 |                   | 281,424             | 281,424                                 | (23,300)                                                                      | 607,423         | 2  | 1.68167%                        | BH                    |
| 3                                                                              | 6          | 00-694-8954 | Central Maine Power Transmission            |                                                                         |                                                          | -               | -                                       |                                                                          | -               |                       | -               | 4,009,341                                 |                 |                   | 4,009,341           | 4,009,341                               | (178,299)                                                                     | 3,831,042       | 3  | 10.60636%                       | CMP                   |
| 4                                                                              | 6          | 06-099-4258 | Maine Electric Power Company                | 65,966                                                                  |                                                          | 65,966          | 65,966                                  |                                                                          | 65,966          | 100.0000%             | 65,966          | 173,558                                   |                 |                   | 173,558             | 173,558                                 | (7,416)                                                                       | 232,108         | 4  | 0.64260%                        | MEPCO                 |
| 5                                                                              | 5          | 17-057-1897 | Braintree, Town of                          |                                                                         |                                                          | -               | -                                       |                                                                          | -               |                       | -               |                                           | 8,284           |                   | 8,284               | 8,284                                   | (344)                                                                         | 7,940           | 5  | 0.02198%                        | Braintree             |
| 6                                                                              | 38         | 00-695-4317 | Unitil Fitchburg Gas & Electric Company Inc | 120,906                                                                 | 113,980                                                  | 6,926           | 6,926                                   |                                                                          | 6,926           | 21.0531%              | 1,458           |                                           | 9,681           |                   | 9,681               | 9,681                                   | (598)                                                                         | 10,540          | 6  | 0.02918%                        | FG&E                  |
| 7                                                                              | 45         | 10-775-5126 | Hudson, Town of                             |                                                                         |                                                          | -               | -                                       |                                                                          | -               |                       | -               |                                           | 5,943           |                   | 5,943               | 5,943                                   | (240)                                                                         | 5,703           | 7  | 0.01579%                        | Hudson                |
| 8                                                                              | 79         | 15-597-6665 | Middleborough, Town of                      |                                                                         |                                                          | -               | -                                       |                                                                          | -               |                       | -               |                                           | 2,627           |                   | 2,627               | 2,627                                   | (106)                                                                         | 2,521           | 8  | 0.00698%                        | Middleboro            |
| 9                                                                              | 76         | 07-172-4900 | Massachusetts Municipal Wholesale Electric  |                                                                         |                                                          | -               | -                                       |                                                                          | -               |                       | -               |                                           | 57,753          |                   | 57,753              | 57,753                                  | (2,327)                                                                       | 55,426          | 9  | 0.15345%                        | MMWEC                 |
| 10                                                                             | 148        | 86-703-4654 | Reading, Town of                            |                                                                         |                                                          | -               | -                                       |                                                                          | -               |                       | -               |                                           | 8,714           |                   | 8,714               | 8,714                                   | (351)                                                                         | 8,363           | 10 | 0.02315%                        | Reading               |
| 11                                                                             | 153        | 04-661-6033 | Taunton Municipal Lighting Plant            |                                                                         |                                                          | -               | -                                       |                                                                          | -               |                       | -               |                                           | 11,068          |                   | 11,068              | 11,068                                  | (446)                                                                         | 10,622          | 11 | 0.02941%                        | Taunton               |
| 12                                                                             | 81         | 00-695-2881 | New England Electric Transmission           | 9,662,945                                                               |                                                          | 9,662,945       | 9,662,945                               |                                                                          | 9,662,945       | 73.2131%              | 7,074,542       |                                           | 1,287,572       |                   | 1,287,572           | 1,287,572                               | (322,669)                                                                     | 8,039,445       | 12 | 22.25745%                       | NGRID                 |
| 13                                                                             |            |             | Connecticut Light & Power                   | 86,853                                                                  |                                                          | 86,853          | 86,853                                  |                                                                          | 86,853          | 87.6953%              | 76,166          |                                           |                 | 14,877,142        | 14,877,142          | 14,877,142                              | (518,930)                                                                     | 14,434,378      | 13 | 39.96202%                       | CL&P                  |
| 14                                                                             |            |             | Public Service of New Hampshire             | 196,368                                                                 |                                                          | 196,368         | 196,368                                 |                                                                          | 196,368         | 92.5167%              | 181,673         |                                           |                 | 1,071,412         | 1,071,412           | 1,071,412                               | (50,674)                                                                      | 1,202,411       | 14 | 3.32891%                        | PSNH                  |
| 15                                                                             |            |             | Western Massachusetts Electric Co.          | 17,257                                                                  |                                                          | 17,257          | 17,257                                  |                                                                          | 17,257          | 87.3466%              | 15,073          |                                           |                 | 8,932             | 8,932               | 8,932                                   | (2,078)                                                                       | 21,927          | 15 | 0.06071%                        | WMECO                 |
| 16                                                                             | 112        | 95-910-8929 | Northeast Utilities Transmission            | 300,478                                                                 | -                                                        | 300,478         | 300,478                                 |                                                                          | 300,478         |                       | 272,912         |                                           |                 | 15,957,486        | 15,957,486          | 15,957,486                              | (571,682)                                                                     | 15,658,716      | 16 | 43.35164%                       | Total submitted by NU |
| 17                                                                             | 181        | 00-691-7967 | United Illuminating Company, The            | 1,506,653                                                               | 1,473,272                                                | 33,381          | 33,381                                  |                                                                          | 33,381          | 87.9494%              | 29,358          |                                           |                 |                   | -                   | -                                       | (1,055)                                                                       | 28,303          | 17 | 0.07836%                        | UI                    |
| 18                                                                             | 50853      | 78-039-9163 | Vermont Transco, LLC                        | 3,102,815                                                               |                                                          | 3,102,815       | 3,102,815                               |                                                                          | 3,102,815       | 80.2685%              | 2,490,583       |                                           |                 |                   | -                   | -                                       | (75,444)                                                                      | 2,415,139       | 18 | 6.68639%                        | VTransco              |
| 19                                                                             |            |             | TOTALS                                      | \$ 15,268,104                                                           | \$ 1,587,252                                             | \$ 13,680,852   | \$ 13,680,852                           | \$ 6,405,380                                                             | \$ 20,086,232   | 78.4864%              | \$ 15,764,958   | \$ 4,464,323                              | \$ 1,391,642    | \$ 15,957,486     | \$ 21,813,451       | \$ 21,813,451                           | \$ (1,458,166)                                                                | \$ 36,120,242   | 19 | 100.00%                         | TOTALS                |
|                                                                                |            |             |                                             |                                                                         |                                                          |                 |                                         |                                                                          |                 |                       |                 |                                           |                 |                   |                     |                                         |                                                                               |                 |    |                                 |                       |

| ISO NE Transmission, Markets & Services Tariff                                 |         |                              |
|--------------------------------------------------------------------------------|---------|------------------------------|
| OATT Regional Schedule 1 - Scheduling System Control and Dispatch Service Rate |         |                              |
| Effective June 1, 2012 - May 31, 2013                                          |         |                              |
| (Reflecting 2011 Schedule 1 Costs)                                             |         |                              |
| (Revised on 11/29/12)                                                          |         |                              |
| COMPANY                                                                        |         | SCHEDULE 1<br>DISTRIBUTION % |
| Bangor Hydro                                                                   |         | 1.68167%                     |
| NSTAR                                                                          |         | 14.41560%                    |
| Braintree                                                                      |         | 0.02198%                     |
| Central Maine Power                                                            |         | 10.60636%                    |
| MEPCO                                                                          |         | 0.64260%                     |
| Fitchburg Gas & Electric                                                       |         | 0.02918%                     |
| Hudson                                                                         |         | 0.01579%                     |
| Middleboro                                                                     |         | 0.00698%                     |
| Massachusetts Municipal                                                        |         | 0.15345%                     |
| National Grid                                                                  |         | 22.25745%                    |
| Northeast Utilities                                                            |         | 43.35164%                    |
| Reading                                                                        |         | 0.02315%                     |
| Taunton                                                                        |         | 0.02941%                     |
| United Illuminating                                                            |         | 0.07836%                     |
| VTransco                                                                       |         | 6.68639%                     |
|                                                                                | TOTAL = | 100.00%                      |

|    |   | PTO 2011 Rev Req                                                                                 |             |                                             |                          |                  |    |
|----|---|--------------------------------------------------------------------------------------------------|-------------|---------------------------------------------|--------------------------|------------------|----|
|    |   | PTO Annual Input Data 2011- (Revised on 11/29/12)                                                |             |                                             |                          |                  |    |
|    |   |                                                                                                  |             |                                             | PTF Revenue Requirements |                  |    |
|    |   |                                                                                                  |             |                                             | Pre-1997                 | Post-1996        |    |
|    |   | Customer #                                                                                       | DUNS #      | DUNS Name                                   | PTF                      | PTF              |    |
|    |   |                                                                                                  |             |                                             | \$                       | \$               |    |
| 1  |   | 2                                                                                                | 00-694-9002 | Bangor Hydro Transmission                   | \$ 792,877               | \$ 46,979,915    | 1  |
| 2  |   | 5                                                                                                | 17-057-1897 | Braintree Electric Light Dept.              | \$ 217,494               | \$ 2,079,295     | 2  |
| 3  |   | 6                                                                                                | 00-694-8954 | Central Maine Power Transmission            | \$ 14,050,884            | \$ 133,171,791   | 3  |
| 4  |   | 8                                                                                                | 09-207-8351 | Conn Municipal Electric Energy Coop.        | \$ 416,471               | \$ 1,211,022     | 4  |
| 5  |   | 51386                                                                                            | 96-733-8696 | Connecticut Transmission Municipal Electric | \$ -                     | \$ 7,177,448     | 5  |
| 6  |   | 38                                                                                               | 00-695-4317 | Fitchburg Gas & Electric Light Co.          | \$ 244,530               | \$ 598,029       | 6  |
| 7  |   | 44                                                                                               | 08-465-0050 | Holyoke Gas & Electric Dept.                | \$ 1,177,080             | \$ 1,615,403     | 7  |
| 8  |   | 45                                                                                               | 10-775-5126 | Hudson Light & Power Dept.                  | \$ 109,161               | \$ -             | 8  |
| 9  |   | 6                                                                                                | 06-099-4258 | Maine Electric Power Company                | \$ (1,096,825)           | \$ (250,713)     | 9  |
| 10 |   | 76                                                                                               | 07-172-4900 | Massachusetts Municipal Wholesale Electric  | \$ 820,074               |                  | 10 |
| 11 |   | 79                                                                                               | 15-597-6665 | Middleborough Gas & Electric Dept.          | \$ 609,413               | \$ 424,700       | 11 |
| 12 |   | 81                                                                                               | 00-695-2881 | National Grid                               | \$109,429,967            | \$ 164,091,494   | 12 |
| 13 |   | 51321                                                                                            | 83-132-2677 | New Hampshire Transmission, LLC             | \$ 3,230,069             | \$ 6,948,525     | 13 |
| 14 |   | 112                                                                                              | 95-910-8929 | Northeast Utilities Transmission            | \$ 77,771,290            | \$ 523,580,986   | 14 |
| 15 |   | 158                                                                                              | 08-421-1572 | Norwood Municipal Light Plant               | \$ -                     | \$ 2,742,505     | 15 |
| 16 |   | 3                                                                                                | 00-695-1552 | NSTAR                                       | \$ 51,405,632            | \$ 121,527,590   | 16 |
| 17 |   | 148                                                                                              | 86-703-4654 | Reading Municipal Light Dept.               | \$ (51,642)              | \$ 298,098       | 17 |
| 18 |   | 153                                                                                              | 04-661-6033 | Taunton Municipal Lighting Plant            | \$ 348,980               | \$ -             | 18 |
| 19 | * | 185                                                                                              | 79-806-8342 | Unitil Power Corp                           | \$ 120,549               | \$ -             | 19 |
| 20 |   | 181                                                                                              | 00-691-7967 | The United Illuminating Company             | \$ 21,498,198            | \$ 92,855,464    | 20 |
| 21 |   | 50853                                                                                            | 78-039-9163 | Vermont Trans                               | \$ 12,352,245            | \$ 114,823,981   | 21 |
| 22 |   | 182                                                                                              | 00-579-1934 | Vermont Electric Power Co, Inc.             | \$ -                     | \$ 5,196,248     | 22 |
| 23 |   |                                                                                                  |             | Total                                       | \$293,446,447            | \$ 1,225,071,781 | 23 |
|    |   | * Revenue requirement amounts indicate payments made to support PTF owned by other Participants. |             |                                             |                          |                  |    |

## **Attachment 2**

### **MMWEC's Revised Support Payment and Revenue Requirement Worksheets**



Voting Share - for Submittal

Massachusetts Municipal Wholesale Electric Company

Annual Revenue Requirements  
for costs in 2011

PTF Revenue Requirements  
Worksheet 8 of 8

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:                                                  | 15-May-11 |
| Revised on:                                                    | N/A       |
| Revenue Requirements for (year):                               | 2011      |
| Customer:                                                      | MMWEC     |
| Customer's NABs Number:                                        |           |
| Name of Participant responsible for customer's billing:        | MMWEC     |
| DUNs number of Participant responsible for customer's billing: | 071724900 |

|                                                       |   | Pre-97 Revenue<br>Requirements | Post-97 Revenue<br>Requirements |
|-------------------------------------------------------|---|--------------------------------|---------------------------------|
| Total of Attachment F - Sections A through I          | = | 532,256 (a)                    | (f)                             |
| Total of Attachment F - Section J - Support Revenue   |   | 0 (b)                          | (g)                             |
| Total of Attachment F - Section K - Support Expense   |   | 455,797 (c)                    | (h)                             |
| Total of Attachment F - Section (L through O)         |   | 0 (d)                          | (i)                             |
| Sub Total - Sum (A through I) - J + K + (L through O) |   | 988,053 (e)=(a)-(b)+(c)+(d)    | (j)                             |

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

988,053 (k) = (e) + (j)

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

**Voting Share Total for Participant's R Value:**

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

988,053 (l)=(k)+(b)+(g)-(h)

**Less amounts in Attachment F - Sections A through I included other TO's submissions:**

|               |                |
|---------------|----------------|
| Reading       | \$ (29,163.00) |
| Holyoke       | \$ (14,216.00) |
| Hudson        | \$ (73,328.00) |
| Middleborough | \$ (23,115.00) |
| Braintree     | \$ (28,157.00) |

**820,074**

Shading denotes an input

|                          |                                                    | Attachment F<br>Reference |           | Reference                         |
|--------------------------|----------------------------------------------------|---------------------------|-----------|-----------------------------------|
| Line No.                 | I. INVESTMENT BASE                                 | Section:                  |           |                                   |
| 1                        | Transmission Plant                                 | (A)(1)(a)                 | 3,630,656 | 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)                          |                           | 3,630,656 |                                   |
| 5                        | Accumulated Depreciation                           | (A)(1)(d)                 | 127,755   | 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)                    |                           | 3,502,901 |                                   |
| 10                       | Prepayments                                        | (A)(1)(h)                 | 2,249     | Worksheet 3, line 15 column 5     |
| 11                       | Materials & Supplies                               | (A)(1)(i)                 | 43,826    | Worksheet 3, line 16 column 5     |
| 12                       | Cash Working Capital                               | (A)(1)(j)                 | 19,050    | Worksheet 3, line 23 column 5     |
| 13                       | Total Investment Base (Line 9+10+11+12)            |                           | 3,568,026 |                                   |
| II. REVENUE REQUIREMENTS |                                                    |                           |           |                                   |
| 14                       | Investment Return and Income Taxes                 | (A)                       | 285,442   | Worksheet 2                       |
| 15                       | Depreciation Expense                               | (B)                       | 71,647    | Worksheet 4, line 3 column 5      |
| 16                       | Amortization of Loss on Reacquired Debt            | (C)                       | 0         | Worksheet 4, line 4 column 5      |
| 17                       | Investment Tax Credit                              | (D)                       | 0         | Worksheet 4, line 5 column 5      |
| 18                       | Property Tax Expense                               | (E)                       | 21,095    | Worksheet 4, line 8 column 5      |
| 19                       | Payroll Tax Expense                                | (F)                       | 1,676     | Worksheet 4, line 17 column 5     |
| 20                       | Operation & Maintenance Expense                    | (G)                       | 146,302   | Worksheet 4, line 13 column 5     |
| 21                       | Administrative & General Expense                   | (H)                       | 6,094     | 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)                       | 455,797   | 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         | Page 37 line 18b * TWSAF * PTFPAF |
| 29                       | Total Revenue Requirements (Line 14 thru 28)       |                           | 988,053   |                                   |

Less amounts in Lines 14 - 21 included other TO's submissions:

|               |    |                |
|---------------|----|----------------|
| Reading       | \$ | (29,163.00)    |
| Holyoke       | \$ | (14,216.00)    |
| Hudson        | \$ | (73,328.00)    |
| Middleborough | \$ | (23,115.00)    |
| Braintree     | \$ | (28,157.00)    |
|               |    | <u>820,074</u> |

**Massachusetts Municipal Wholesale Electric Company**  
**Annual Revenue Requirements**  
**for costs in 2011**

Shading denotes an input

|                         | CAPITALIZATION<br>12/31/00 | CAPITALIZATION<br>RATIOS | COST OF<br>CAPITAL | COST OF<br>CAPITAL | EQUITY<br>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     | = | 0.0800                                                                                                                                                                                                                                           | PROXY PER INTERPRETIVE GUIDANCE DOCUMENT FOR IMPLEMENTATION RULE SECTION II.A.2 FOR AN MTO |
| (b) Federal Income Tax           | = | $\left( \frac{\text{R.O.E.} + \left( \frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax Rate}}{1 - \text{Federal Income Tax Rate}} \right)$                         |                                                                                            |
|                                  | = | $\left( \frac{0.0000 + \left( \frac{0 + 0}{3,568,026} \right) / 0}{1 - 0} \right)$                                                                                                                                                               |                                                                                            |
|                                  | = | 0.0000000                                                                                                                                                                                                                                        |                                                                                            |
| (c) State Income Tax             | = | $\left( \frac{\text{R.O.E.} + \left( \frac{\text{PTF Inv. (Tax Credit)} + \text{Eq. AFUDC of Deprec. Exp.}}{\text{PTF Inv. Base}} \right) / \text{Federal Income Tax}}{1 - \text{State Income Tax Rate}} \right) * \text{State Income Tax Rate}$ |                                                                                            |
|                                  | = | $\left( \frac{0.0000 + \left( \frac{0 + 0}{3,568,026} \right) / 0.0000000}{1 - 0} \right) * 0$                                                                                                                                                   |                                                                                            |
|                                  | = | 0.0000000                                                                                                                                                                                                                                        |                                                                                            |
| (a)+(b)+(c) Cost of Capital Rate | = | 0.0800000                                                                                                                                                                                                                                        |                                                                                            |

|                                      |              |                  |
|--------------------------------------|--------------|------------------|
|                                      | (PTF)        |                  |
| INVESTMENT BASE                      | \$ 3,568,026 | From Worksheet 1 |
| x Cost of Capital Rate               | 0.0800000    |                  |
| = Investment Return and Income Taxes | 285,442      | To Worksheet 1   |

Shading denotes an input

| Line No.                                                                            | (1)<br>Total                     | (2)<br>Wage/Plant<br>Allocation<br>Factors | (3) = (1)*(2)<br>Transmission<br>Allocated | (4)<br>PTF<br>Allocation<br>Factor (b) | (5) = (3)*(4)<br>PTF<br>Allocated | FERC Form 1<br>Reference for col (1)        |
|-------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------|--------------------------------------------|----------------------------------------|-----------------------------------|---------------------------------------------|
| <u>Transmission Plant</u>                                                           |                                  |                                            |                                            |                                        |                                   |                                             |
| 1                                                                                   | 7,901,166                        | Directly Assigned                          | 7,901,166                                  |                                        | 3,630,656                         | Line 1, Worksheet 5                         |
| 2                                                                                   | 0                                | 0.5438% (a)                                | 0                                          | 45.9509%                               | 0                                 | Page 8B, line 29g                           |
| 3                                                                                   |                                  |                                            | 7,901,166                                  |                                        | 3,630,656                         |                                             |
| 4                                                                                   | 0                                |                                            | 0                                          | 45.9509%                               | 0                                 | None known                                  |
| <u>Transmission Accumulated Depreciation</u>                                        |                                  |                                            |                                            |                                        |                                   |                                             |
| 5                                                                                   | 278,025                          |                                            | 278,025                                    | 45.9509%                               | 127,755                           | Page 8A, line 31g less<br>Page 16, line 31g |
| 6                                                                                   | 0                                | 0.5438% (a)                                | 0                                          | 45.9509%                               | 0                                 | Page 8B, line 29g less                      |
| 7                                                                                   |                                  |                                            | 278,025                                    |                                        | 127,755                           | Page 17, line 29g                           |
| <u>Transmission Accumulated Deferred Taxes</u>                                      |                                  |                                            |                                            |                                        |                                   |                                             |
| 8                                                                                   | 0                                | 1.5252% (c)                                | 0                                          | 45.9509%                               | 0                                 | None known                                  |
| 9                                                                                   | 0                                | 1.5252% (c)                                | 0                                          | 45.9509%                               | 0                                 | None known                                  |
| 10                                                                                  |                                  |                                            | 0                                          |                                        | 0                                 |                                             |
| 11                                                                                  | 0                                | 1.5252% (c)                                | 0                                          | 45.9509%                               | 0                                 | None known                                  |
| <u>Other Regulatory Assets</u>                                                      |                                  |                                            |                                            |                                        |                                   |                                             |
| 12                                                                                  | 0                                | 0.5438% (a)                                | 0                                          | 45.9509%                               | 0                                 | None known                                  |
| 13                                                                                  | 0                                | 1.5252% (c)                                | 0                                          | 45.9509%                               | 0                                 | None known                                  |
| 14                                                                                  | 0                                | 1.5252% (c)                                | 0                                          | 45.9509%                               | 0                                 |                                             |
| 15                                                                                  | 0                                |                                            | 0                                          |                                        | 0                                 |                                             |
| 16                                                                                  | 320,879                          | 1.5252% (a)                                | 4,894                                      | 45.9509%                               | 2,249                             | Page 10, line 26c                           |
| 17                                                                                  | 6,253,358                        | 1.5252% (a)                                | 95,376                                     | 45.9509%                               | 43,826                            | 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  |                                            |                                            |                                        | 146,302                           | Worksheet 1, Line 20                        |
| 20                                                                                  | Administrative & General Expense |                                            |                                            |                                        | 6,094                             | Worksheet 1, Line 21                        |
| 21                                                                                  | Transmission Support Expense     |                                            |                                            |                                        | 0                                 | Worksheet 1, Line 24                        |
| 22                                                                                  | Subtotal (line 19+20+21)         |                                            |                                            |                                        | 152,396                           |                                             |
| 23                                                                                  |                                  |                                            |                                            |                                        | 0.125                             | x 45 / 360                                  |
| 24                                                                                  | Total (line 22 * line 23)        |                                            |                                            |                                        | 19,050                            |                                             |

(a) Worksheet 5 of 8, line 11

(b) Worksheet 5 of 8, line 3

(c) Worksheet 5 of 8, line 16

|                                                                                                         |                                                       | (1)                                                              | 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)      |                  |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|-------------------------------------|-----------------------------|----------------------------------------|------------------|
| Line No.                                                                                                |                                                       | Total                                                            |                                                           |                                                        |                                     |                             |                                        |                  |
| <u>Depreciation Expense</u>                                                                             |                                                       |                                                                  |                                                           |                                                        |                                     |                             |                                        |                  |
| 1                                                                                                       | Transmission Depreciation                             | 155,921                                                          |                                                           | 155,921                                                | 45.9509%                            | 71,647                      | Page 16, line 31d                      |                  |
| 2                                                                                                       | General Depreciation                                  | 0                                                                | 0.5438% (a)                                               | 0                                                      | 45.9509%                            | 0                           | Page 17, line 29d                      |                  |
| 3                                                                                                       | Total (line 1+2)                                      |                                                                  |                                                           | 155,921                                                |                                     | 71,647                      |                                        |                  |
| <u>Amortization of Loss on Reacquired Debt</u>                                                          |                                                       |                                                                  |                                                           |                                                        |                                     |                             |                                        |                  |
| 4                                                                                                       |                                                       | 0                                                                | 1.5252% (c)                                               | 0                                                      | 45.9509%                            | 0                           | Page 12, line 28b                      |                  |
| <u>Amortization of Investment Tax Credits</u>                                                           |                                                       |                                                                  |                                                           |                                                        |                                     |                             |                                        |                  |
| 5                                                                                                       |                                                       | 0                                                                | 1.5252% (c)                                               | 0                                                      | 45.9509%                            | 0                           | None known                             |                  |
| <u>Property Taxes *</u>                                                                                 |                                                       |                                                                  |                                                           |                                                        |                                     |                             |                                        |                  |
| 6                                                                                                       | Transmission Property Taxes                           | 0                                                                |                                                           | 0                                                      | 45.9509%                            | 0                           | See below                              |                  |
| 7                                                                                                       | General Property Taxes                                | 3,009,930                                                        | 1.5252% (c)                                               | 45,907                                                 | 45.9509%                            | 21,095                      | See below                              |                  |
| 8                                                                                                       | Total (line 6+7)                                      |                                                                  |                                                           | 45,907                                                 |                                     | 21,095                      |                                        |                  |
| <u>Transmission Operation and Maintenance</u>                                                           |                                                       |                                                                  |                                                           |                                                        |                                     |                             |                                        |                  |
|                                                                                                         |                                                       | PER INTERPRETATIVE GUIDANCE DOCUMENT SECTION II.G RULES FOR HGED |                                                           |                                                        |                                     |                             |                                        |                  |
| 9                                                                                                       | Operation and Maintenance                             | 318,387                                                          | B-2                                                       | 318,387                                                | 0.459509                            | 146,302                     | Page 40, line 50b                      |                  |
| 10                                                                                                      | Transmission of Electricity by Others - #565          | 0                                                                |                                                           | 0                                                      | 0.459509                            | 0                           | Page 40, line 38b                      |                  |
| 11                                                                                                      | Load Dispatching - #561                               | 0                                                                |                                                           | 0                                                      | 0.459509                            | 0                           | Page 40, line 34b                      |                  |
| 12                                                                                                      | **Station Expenses & Rents - #562 / #567              |                                                                  |                                                           |                                                        |                                     | 0                           | Page 40, line 35b, 40b                 |                  |
| 13                                                                                                      | O&M less lines 10, 11 & 12                            | 318,387                                                          |                                                           | 318,387                                                | 45.9509%                            | 146,302                     |                                        |                  |
| <u>Transmission Administrative and General</u>                                                          |                                                       |                                                                  |                                                           |                                                        |                                     |                             |                                        |                  |
| 14                                                                                                      | Administrative and General                            | 2,438,793                                                        | From 12/31/11 Seabrook Op Exp Summary - MMWEC Share       |                                                        |                                     |                             |                                        | Page 42, line 6b |
| 15                                                                                                      | less Property Insurance (#924)                        | 0                                                                |                                                           |                                                        |                                     |                             | Page 41, line 47b                      |                  |
| 16                                                                                                      | less Regulatory Commission Expenses (#928)            | 0                                                                |                                                           |                                                        |                                     |                             | Page 41, line 50b                      |                  |
| 17                                                                                                      | less General Advertising Expense (#930.1)             | 0                                                                |                                                           |                                                        |                                     |                             | G/L Acct 913-01 Advertising - Goodwill |                  |
| 18                                                                                                      | Subtotal [line 14 minus (15 thru 17)]                 | 2,438,793                                                        | 0.5438% (a)                                               | 13,262                                                 | 45.9509%                            | 6,094                       |                                        |                  |
| 19                                                                                                      | PLUS Property Insurance alloc. using Plant Allocation | 0                                                                | 1.5252% (c)                                               | 0                                                      | 45.9509%                            | 0                           |                                        |                  |
| 20                                                                                                      | PLUS Regulatory Comm. Exp. (FERC Assessments)         | 0                                                                | 1.5252% (c)                                               | 0                                                      | 45.9509%                            | 0                           |                                        |                  |
| 21                                                                                                      | PLUS Trans. Related General Advertising Expense       | 0                                                                | 1.5252% (c)                                               | 0                                                      | 45.9509%                            | 0                           |                                        |                  |
| 22                                                                                                      | Total A&G [line 18 plus (19 thru 21)]                 | 2,438,793                                                        |                                                           | 13,262                                                 |                                     | 6,094                       |                                        |                  |
| 23                                                                                                      | Payroll Tax Expense                                   | 670,763                                                          | 0.5438% (a)                                               | 3,648                                                  | 45.9509%                            | 1,676                       | 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                                  | 670,763                                                          | 408.1 From 12/31/11 Seabrook Op Exp Summary - MMWEC Share |                                                        |                                     |                             |                                        |                  |
|                                                                                                         | FICA/Medicare                                         | 0                                                                | 926-06                                                    |                                                        |                                     |                             |                                        |                  |
|                                                                                                         | MA Unemployment                                       | 0                                                                |                                                           |                                                        |                                     |                             |                                        |                  |
|                                                                                                         | MA Universal Health                                   | 0                                                                |                                                           |                                                        |                                     |                             |                                        |                  |
|                                                                                                         | Total                                                 | 670,763                                                          | To Line 23                                                |                                                        |                                     |                             |                                        |                  |
| * Property Taxes                                                                                        |                                                       |                                                                  |                                                           |                                                        |                                     |                             |                                        |                  |
|                                                                                                         |                                                       | Transmission                                                     | General                                                   |                                                        |                                     |                             |                                        |                  |
| a                                                                                                       | Gross Plant                                           | 7,901,166                                                        | -                                                         | Worksheet 3, lines 1 & 2                               |                                     |                             |                                        |                  |
| b                                                                                                       | Depr Reserve                                          | 278,025                                                          | 0                                                         | Worksheet 3, lines 5 & 6                               |                                     |                             |                                        |                  |
| c = a - b                                                                                               | Net Book Value                                        | 7,623,141                                                        | 0                                                         |                                                        |                                     |                             |                                        |                  |
|                                                                                                         | Property Tax Rate: Jan 00 - Jun 00                    | 0.00                                                             | 0.00                                                      | Page 3, line 9                                         | rates are per \$1,000 of assessment |                             |                                        |                  |
|                                                                                                         | Property Tax Rate: Jul 00 - Dec 00                    | 0.00                                                             | 0.00                                                      | Page 3, line 9                                         |                                     |                             |                                        |                  |
|                                                                                                         | Local Property Tax Based on NBV                       | \$ -                                                             | \$ -                                                      | THIS IS CAP LEVEL MENTIONED IN GUIDANCE DOCUMENT       |                                     |                             |                                        |                  |
| d                                                                                                       | Total Net Plant                                       | 0                                                                | 0                                                         | Page 17, line 34b                                      |                                     |                             |                                        |                  |
| e1                                                                                                      | PILOT                                                 | 0                                                                | 0                                                         | Page 21, line 23 65% is associated with electric plant |                                     |                             |                                        |                  |
| e2                                                                                                      | Public Goodwill (930-03)                              | -                                                                | 0                                                         | General Ledger Trial Balance                           |                                     |                             |                                        |                  |
| e3                                                                                                      | Energy Management Services (930-04)                   | -                                                                | 0                                                         | General Ledger Trial Balance                           |                                     |                             |                                        |                  |
| e4                                                                                                      | ECS/Energy Edge Plus (930-05)                         | -                                                                | 0                                                         | General Ledger Trial Balance                           |                                     |                             |                                        |                  |
| e5                                                                                                      | Cadet Engineer Program (930-07-1)                     | -                                                                | 0                                                         | General Ledger Trial Balance                           |                                     |                             |                                        |                  |
| e5                                                                                                      | Municipal Payment Discounts                           | -                                                                | 0                                                         |                                                        |                                     |                             |                                        |                  |
| e5                                                                                                      | Discounted Street Lighting (all electric)             | -                                                                | 0                                                         |                                                        |                                     |                             |                                        |                  |
| e5                                                                                                      | Economic Development Discounts (65% e)                | -                                                                | 0                                                         |                                                        |                                     |                             |                                        |                  |
| e5                                                                                                      | New Homeowner Discounts (65% elec)                    | -                                                                | 0                                                         |                                                        |                                     |                             |                                        |                  |
| e5                                                                                                      | Assistance Programs (30-171-02)                       | -                                                                | 0                                                         | General Ledger Trial Balance                           |                                     |                             |                                        |                  |
| e5                                                                                                      | Below Market Service Labor (65% elec)                 | -                                                                | 0                                                         |                                                        |                                     |                             |                                        |                  |
| f = c/d * (e1+e2+e3+e4+e5)                                                                              |                                                       | #DIV/0!                                                          | #DIV/0!                                                   | TAKE CAP LEVEL, SINCE ACTUAL IS HIGHER                 |                                     |                             |                                        |                  |
| ** Subtract Accounts #562 & #567 from O&M Expense to the extent that they include PTF Support Payments. |                                                       |                                                                  |                                                           |                                                        |                                     |                             |                                        |                  |

**Massachusetts Municipal Wholesale Electric Company****Annual Revenue Requirements  
for costs in 2011**PTF Revenue Requirements  
Worksheet 5 of 8

Sheet: Worksheet 5

Shading denotes an input

| Line<br>No. |                                                                 |             | Mass DTE AR<br>Reference                                                                 |
|-------------|-----------------------------------------------------------------|-------------|------------------------------------------------------------------------------------------|
|             | <b><u>PTF Transmission Plant Allocation Factor</u></b>          | <b>0</b>    |                                                                                          |
| 1           | PTF Transmission Investment                                     | 3,630,656   | 5-Break Project Unitization Costs Sheet -<br>Rec'd from H. Person (Calc'd MMWEC<br>Share |
| 2           | Total Transmission Investment                                   | 7,901,166   | 5-Break Project Unitization Costs Sheet -<br>Rec'd from H. Person (Calc'd MMWEC<br>Share |
| 3           | Percent Allocation (Line 1/Line 2)                              | 45.9509%    |                                                                                          |
|             | <b><u>Transmission Wages and Salaries Allocation Factor</u></b> |             |                                                                                          |
| 4           | Direct Transmission Wages and Salaries                          | 42,377      | From 570 Labor Report per C. Blaine @                                                    |
| 5           | Affiliated Company Transmission Wages and Salaries              | 0           | B-1 Seabrook                                                                             |
| 6           | Total Transmission Wages and Salaries (Line 4 + Line 5)         | 42,377      |                                                                                          |
| 7           | Total Wages and Salaries                                        | 7,793,419   | From Labor Report per C. Blaine @                                                        |
| 8           | Administrative and General Wages and Salaries                   |             | C-1 Seabrook                                                                             |
| 9           | Affiliated Company Wages and Salaries less A&G                  | 0           |                                                                                          |
| 10          | Total Wages and Salaries net of A&G (Line 7 - 8 + 9)            | 7,793,419   |                                                                                          |
| 11          | Percent Allocation (Line 6/Line 10)                             | 0.5438%     |                                                                                          |
|             | <b><u>Plant Allocation Factor</u></b>                           |             |                                                                                          |
| 12          | Total Transmission Investment                                   | 7,901,166   | Per Above                                                                                |
| 13          | plus Transmission-Related General Plant (Line 2 of Wkst. 3)     | 0           |                                                                                          |
| 14          | = Revised Numerator (Line 12 + Line 13)                         | 7,901,166   |                                                                                          |
| 15          | Total Plant in Service                                          | 518,058,259 | Per MMWEC Accounting Records, less<br>Accum Depreciation                                 |
| 16          | Percent Allocation (Line 14 / Line 15)                          | 1.5252%     |                                                                                          |

**Massachusetts Municipal Wholesale Electric Company****Annual Revenue Requirements  
for costs in 2011**

Sheet: Worksheet 6

## Affiliated Company Wages and Salaries

Shading denotes an input

| Line                                                                |                             | 0 |
|---------------------------------------------------------------------|-----------------------------|---|
| "Affiliated" Transmission Wages and Salaries<br>#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<br>#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 |

# Massachusetts Municipal Wholesale Electric Company

## Annual Revenue Requirements for costs in 2011

PTF Revenue Requirements  
Worksheet 7 of 8

Sheet: 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                 | TOTAL           |                 |
|-------------|-----------------------------------------------|-----------------------------|-----------------|-----------------|
|             |                                               |                             | Revenues<br>(a) | Expenses<br>(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               |                             |                 |                 |
|             | <b>HQ Phase II - AC in MA</b>                 | 332.(g); [332.1(g) for HWP] |                 | 10,029          |
|             | 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         | <b>345 kV Buxton-South Gorham 386 line</b>    |                             |                 |                 |
|             | <b>115 kV Wyman 164-167 lines</b>             |                             |                 | 2,367           |
|             | 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         | <b>Chester SVC</b>                            |                             |                 | 71,712          |
|             | 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           |                             |                 |                 |
|             | <b>Moore 115 kV Substation</b>                | 332.1(g)                    |                 |                 |
|             | <b>HQ Phase II - AC in MA</b>                 | 332.1(g); [332(g) for CL&P] |                 | 169,889         |
|             | 345 kV Golden Hills-Mystic 349 line           |                             |                 |                 |
|             | <b>345 kV NH/MA border-Tewksbury 394 line</b> | 332(g)                      |                 | 33,588          |
|             | 115 kV Read - Washington V148 line            |                             |                 |                 |
| NU          | <b>345 kV 363, 369 and 394 Seabrook lines</b> |                             |                 | 31,739          |
|             | <b>Fairmont 115 kV Substation</b>             | 330.1(n);[330 for HWP]      |                 |                 |
|             | <b>345 kV Millstone-Manchester 310 line</b>   | 330.1(n)                    |                 | 136,473         |
|             | <b>UI Substations</b>                         | 330.1(n)                    |                 |                 |
|             | <b>Black Pond</b>                             | 330.1(n)                    |                 |                 |
| Total =     |                                               |                             | 0               | 455,797         |

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



## **Attachment 3**

### **CMP's Revised 2011 PTF Revenue Requirements**

**CMP**  
**Annual Revenue Requirements of PTF Facilities**  
**2011**

| Line No.                        |                                                                                                      | Attachment F<br>Reference | PRE97          | POST 1996      | TOTAL                    |                                 |
|---------------------------------|------------------------------------------------------------------------------------------------------|---------------------------|----------------|----------------|--------------------------|---------------------------------|
| <b>I. INVESTMENT BASE</b>       |                                                                                                      |                           |                |                |                          |                                 |
|                                 |                                                                                                      | <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    | <del>530,043,437</del>   | SEE NOTE:<br><u>196,152,181</u> |
| 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 | <del>1,003,624,491</del> | <u>669,733,235</u>              |
| <b>II. REVENUE REQUIREMENTS</b> |                                                                                                      |                           |                |                |                          |                                 |
| 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           |                                 |

**NOTE:**

There is a footing error in the total column of line 9 which inadvertently subtracted Accumulated Depreciation and Accumulated Deferred Income Taxes which are credit balances. This did not impact CMP's RNS revenue requirements. CMP is including corrected information as part of a supplemental info filing by the PTOs.

**CMP**  
**Annual Revenue Requirements of PTF Facilities**  
**2011**

| Line No.                 | I. INVESTMENT BASE                                                                                   | Attachment F<br>Reference | PRE97 POST 1996 TOTAL |                |                |
|--------------------------|------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|----------------|----------------|
|                          |                                                                                                      |                           | Section:              |                |                |
| 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. REVENUE REQUIREMENTS |                                                                                                      |                           |                       |                |                |
| 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 |

## **Attachment 4**

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## **Attachment 5**

### **Service List of Participating Transmission Owners**

**Service List of  
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