



230 Ash Street  
P.O. Box 150  
Reading, MA 01867-0250

Tel: (781) 944-1340  
Fax: (781) 942-2409  
Web: www.rmlld.com

**AGENDA**  
**REGULAR SESSION**  
**CITIZENS' ADVISORY BOARD (CAB)**  
**WEDNESDAY, DECEMBER 8, 2010**  
**6:30 P.M.**

at  
**READING MUNICIPAL LIGHT DEPARTMENT**  
**AV/SPURR ROOM**  
**230 Ash Street**  
**Reading, MA 01867**

1. Call Meeting to Order – A. Carakatsane, Chairman
2. Presentation to A. Quincy Vale and Tracy Sopchak – V. Cameron
3. Wilmington CAB Vacancy and New Appointment – V. Cameron
  - a. Disclosure letter and e-mail dated September 8, 2010 from Q. Vale to Chairman M.E. O'Neill.
  - b. Letter from Wilmington Town Manager dated September 17, 2010 to Q. Vale in response to disclosure letter.
  - c. New CAB Member - Thomas A. Ollila
4. Reading CAB Vacancy – V. Cameron  
E-mail from T. Sopchak dated September 22, 2010 to P. Hechenbleikner, V. Cameron, M.E. O'Neill, and A. Carakatsane
5. Minutes of Meeting – July 12, 2010 - A. Carakatsane
6. Energy Efficiency Update – J. Carpenter
7. FY10 Year End Financials and FY11 1<sup>st</sup> Quarter Report – R. Fournier
8. FY11 (Updated) Capital Budget – V. Cameron, P. O'Leary
9. Engineering and Operations Reliability Update and Gaw Update – V. Cameron
10. Power Supply Update – V. Cameron
11. Addendum to FY11 Cost of Service Study – V. Cameron
12. Other Items
  - a. NEPPA Conference – A. Carakatsane
  - b. APPA Legislative Rally February 28 – March 3, 2011 – V. Cameron (Note: CAB approval is necessary for attendance.)
  - c. RMLD Meter Change Program – V. Cameron
  - d. Electronic Invoice and On-Line Payment Services – V. Cameron
13. Schedule Next Meeting (Discuss a fixed schedule)
14. Executive Session  
**Suggested Motion:**  
Move that the CAB go into Executive Session based on Chapter 30A §§18-25 and/or Chapter 164 §47D, exemption from public records and open meeting requirements in certain instances, to approve minutes and to return to Regular Session.
15. Release of Executive Session Minutes – A. Carakatsane

## 16. Adjournment

### Upcoming RMLD Board Meetings:

Wednesday, January 5, 2010, 7:30 P.M. Regular RMLD Board Meeting. CAB Representative: To be determined.

Thursday, January 13, 2010, 7:00 P.M. T-Shirt Contest Award – CAB is invited to attend.

Wednesday, January 26, 2010. Regular RMLD Board Meeting. CAB Representative: To be determined.

***Reference Information - Appropriate topics for Executive Session: This Agenda has been prepared in advance and does not necessarily include all matters, which may be taken up at this meeting.***

### SECTION 21. [EXECUTIVE SESSIONS]

(a) A public body may meet in executive session only for the following purposes:

1. To discuss the reputation, character, physical condition or mental health, rather than professional competence, of an individual, or to discuss the discipline or dismissal of, or complaints or charges brought against, a public officer, employee, staff member or individual. The individual to be discussed in such executive session shall be notified in writing by the public body at least 48-hours prior to the proposed executive session; provided, however, that notification may be waived upon written agreement of the parties. A public body shall hold an open session if the individual involved requests that the session be open. If an executive session is held, such individual shall have the following rights:
  - i. to be present at such executive session during deliberations which involve that individual;
  - ii. to have counsel or a representative of his own choosing present and attending for the purpose of advising the individual and not for the purpose of active participation in the executive session;
  - iii. to speak on his own behalf; and
  - iv. to cause an independent record to be created of said executive session by audio-recording or transcription, at the individual's expense. The rights of an individual set forth in this paragraph are in addition to the rights that he may have from any other source, including, but not limited to, rights under any laws or collective bargaining agreements and the exercise or non-exercise of the individual rights under this section shall not be construed as a waiver of any rights of the individual.
2. To conduct strategy sessions in preparation for negotiations with nonunion personnel or to conduct collective bargaining sessions or contract negotiations with nonunion personnel;
3. To discuss strategy with respect to collective bargaining or litigation if an open meeting, may have a detrimental effect on the bargaining or litigating position of the public body and the chair so declares;
4. To discuss the deployment of security personnel or devices, or strategies with respect thereto;
5. To investigate charges of criminal misconduct or to consider the filing of criminal complaints;
6. To consider the purchase, exchange, lease or value of real property if the chair declares that an open meeting may have a detrimental effect on the negotiating position of the public body;
7. To comply with, or act under the authority of, any general or special law or federal grant-in-aid requirements;
8. To consider or interview applicants for employment or appointment by a preliminary screening committee if the chair declares that an open meeting will have a detrimental effect in obtaining qualified applicants; provided, however, that this clause shall not apply to any meeting, including meetings of a preliminary screening committee, to consider and interview applicants who have passed a prior preliminary screening;
9. To meet or confer with a mediator, as defined in section 23C of chapter 233, with respect to any litigation or decision on any public business within its jurisdiction involving another party, group or entity, provided that:
  - i. any decision to participate in mediation shall be made in an open session and the parties, issues involved and purpose of the mediation shall be disclosed; and
  - ii. no action shall be taken by any public body with respect to those issues which are the subject of the mediation without deliberation and approval for such action at an open session; or
10. To discuss trade secrets or confidential, competitively-sensitive or other proprietary information provided in the course of activities conducted by a governmental body as an energy supplier under a license granted by the department of public utilities pursuant to section 1F of chapter 164, in the course of activities conducted as a municipal aggregator under section 134 of said chapter 164 or in the course: Of activities conducted by a cooperative consisting of governmental entities organized pursuant to section 136 of said chapter 164, when such governmental body, municipal aggregator or cooperative determines that such disclosure will adversely affect its ability to conduct business in relation to other entities making, selling or distributing electric power and energy.

(b) A public body may meet in closed session for 1 or more of the purposes enumerated in subsection (a) provided that:

1. the body has first convened in an open session pursuant to section 21;
2. a majority of members of the body have voted to go into executive session and the vote of each member is recorded by roll call and entered into the minutes;
3. before the executive session, the chair shall state the purpose for the executive session, stating all subjects that may be revealed without compromising the purpose for which the executive session was called;
4. the chair shall publicly announce whether the open session will reconvene at the conclusion of the executive session; and
5. accurate records of the executive session shall be maintained pursuant to section 23.

**Revised in accordance with G.L.c.30A, §§18-25 and the Open Meeting Law Guide, Office of Attorney General, July 1, 2010**

### Chapter 164: Section 47D. Exemption from public records and open meeting requirements in certain instances

Section 47D. A municipal lighting plant created pursuant to the provisions of this chapter or any special law shall be exempt from the public record requirements of section 10 of chapter 66 and the open meeting requirements of section 23B of chapter 39 in those instances when necessary for protecting trade secrets, confidential, competitively sensitive or other proprietary information provided in the course of proceedings conducted pursuant to this chapter when such municipal lighting plant board determines that such disclosure will adversely affect its ability to conduct business in relation to other entities making, selling, or distributing electric power and energy pursuant to this chapter.



**ITEM 3.**

**Wilmington CAB Vacancy**

- a. Disclosure letter and e-mail*
- b. Letter from Wilmington Town Manager*
- c. New Cab Member*

A. Quincy Vale, Esq.  
46 Middlesex Avenue  
Wilmington, MA 01887

**VIA EMAIL AND HAND DELIVERY**

September 8, 2010

Ms. Mary Ellen O'Neill  
Chairman, Board of Commissioners  
Reading Municipal Light Department (RMLD)  
230 Ash Street  
Reading, MA 01867

Dear Ms. O'Neill,

According to the Massachusetts General Laws, Chapter 164, Section 56A, and Chapter 268A, Section 19, I want to officially disclose to the Reading Municipal Light Department (RMLD) Board of Commissioners, the Town of Reading, the Town of Wilmington and the Citizens' Advisory Board that I work as a legal practitioner and consultant specializing in the areas of energy, energy efficiency and green building.

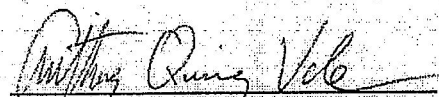
As an owner of my legal practice and consulting firm, I represent the Swift River Company, who is an owner-operator of various hydroelectric facilities doing business in the New England energy market; the same market the RMLD acquires its power supply.

Due to the nature of my occupation, I will recuse myself from discussions and votes on power supply matters or any other matters that may come before me as a Citizens' Advisory Board member that may result in me or my company obtaining unwarranted financial privileges or gaining special treatment.

A copy of this letter is being provided to the Town Manager of Reading, Town Manager of Wilmington, other Light Board Commissioners, the General Manager of RMLD, and the Citizens Advisory Board.

If you have any questions, please contact me at (617) 694-5181.

Sincerely,



A. Quincy Vale, Esq.  
Citizens' Advisory Board

cc:

Peter Hechenbleikner - Reading Town Manager (Email)  
Michael Caira - Wilmington Town Manager (Email)  
Vincent Cameron - RMLD General Manager (Email and Hand Delivery)  
Arthur Carakatsane, Chairman, Citizen's Advisory Board (Email and Hand Delivery)

**Paula O'Leary**

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**From:** Jeanne Foti  
**Sent:** Thursday, September 09, 2010 8:26 AM  
**To:** Paula O'Leary  
**Subject:** FW: RMLD CAB disclosure of potential conflict of interest

Hi Paula.

FYI on item below. Thanks.

Jeanne Foti  
Executive Assistant  
Reading Municipal Light Department  
781-942-6434 Phone  
781-942-2409 Fax



**Please consider the environment before printing this e-mail.**

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**From:** Vincent Cameron  
**Sent:** Thursday, September 09, 2010 6:51 AM  
**To:** Jeanne Foti  
**Subject:** FW: RMLD CAB disclosure of potential conflict of interest

For your records.

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**From:** quincyvale@gmail.com [mailto:quincyvale@gmail.com] **On Behalf Of** Quincy Vale  
**Sent:** Wednesday, September 08, 2010 11:20 PM  
**To:** Mary Ellen O'Neill  
**Cc:** Arthur Carakatsane; Atty. Arthur J. Carakatsane; Vincent Cameron; Michael A. Caira; Peter Hechenbleikner  
**Subject:** RMLD CAB disclosure of potential conflict of interest

Dear Ms. O'Neill,

According to the Massachusetts General Laws, Chapter 164, Section 56A, and Chapter 268A, Section 19, I want to officially disclose to the Reading Municipal Light Department (RMLD) Board of Commissioners, the Town of Reading, the Town of Wilmington and the Citizens' Advisory Board that I work as a legal practitioner and consultant specializing in the areas of energy, energy efficiency and green building.

As an owner of my legal practice and consulting firm, I represent the Swift River Company, who is an owner-operator of various hydroelectric facilities doing business in the New

9/14/2010

England energy market; the same market the RMLD acquires its power supply.

Due to the nature of my occupation, I will recuse myself from discussions and votes on power supply matters or any other matters that may come before me as a Citizens' Advisory Board member that may result in me or my company obtaining unwarranted financial privileges or gaining special treatment.

A copy of this letter is being provided to the Town Manager of Reading, Town Manger of Wilmington, other Light Board Commissioners, the General Manager of RMLD, and the Citizens Advisory Board.

If you have any questions, please contact me at (617) 694-5181.

Sincerely,

/s/ A. Quincy Vale, Esq.

Citizens' Advisory Board

Signed letter attached to this email. Hard copy with original signature to be hand delivered.

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9/14/2010

**Paula O'Leary**

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**From:** Paula O'Leary  
**Sent:** Tuesday, September 21, 2010 1:51 PM  
**To:** Tracy Sopchak; 'Public Buildings'  
**Subject:** FW: Quincy Vale

FYI

See below e-mail from Vinnie and attachment.

(Hard copy to John Norton)

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**From:** Vincent Cameron  
**Sent:** Monday, September 20, 2010 12:54 PM  
**To:** Arthur Carakatsane  
**Subject:** Quincy Vale

Attached is a letter form the Wilmington Town Manager stating that Quincy Vale will be replaced on the CAB.

9/21/2010



TOWN OF WILMINGTON  
121 GLEN ROAD  
WILMINGTON, MA 01887

OFFICE OF THE  
TOWN MANAGER  
(978) 658-3311

FAX (978) 658-3334  
TTY (978) 694-1417

September 17, 2010

Mr. A. Quincy Vale  
46 Middlesex Avenue  
Wilmington, MA 01887-2753

Dear Quincy:

Thank you for disclosing the conflict presented by your legal representation of Swift River and your role as a Wilmington appointee on the Citizens' Advisory Board of the Reading Municipal Light Department. I appreciate your recognition that this requires that you recuse yourself from any role in transactions involving Swift River and RMLD. Unfortunately, the consequence is that one of the two Wilmington appointees cannot be involved in the Board's important role with respect to certain material matters. I have, therefore, concluded that it is in the best interests of the Town of Wilmington that a replacement appointment be made to the Board.

On behalf of the Board of Selectmen may I take this opportunity to thank you for the exemplary service you have provided to the community as a member of the RMLD Citizens' Advisory Board. We appreciate your willingness to share your expertise and your time on behalf of Wilmington citizens in this important role.

Sincerely,

Michael A. Caira  
Town Manager

MAC/bjd

cc: Board of Selectmen  
George W. Hooper, Public Buildings Superintendent  
Peter I. Hechenbleikner, Reading Town Manager  
Vincent Cameron, General Manager, RMLD  
John Foscett, Town Counsel





TOWN OF WILMINGTON  
121 GLEN ROAD  
WILMINGTON, MA 01887

OFFICE OF THE  
TOWN MANAGER  
(978) 658-3311

FAX (978) 658-3334  
TTY (978) 694-1417

September 28, 2010

Vincent Cameron, General Manager  
Reading Municipal Light Department  
230 Ash Street  
Reading, MA 01867-0250

Dear Mr. Cameron:

Please be advised that the Town of Wilmington has appointed Thomas A. Ollila, 183 Wildwood Street, Wilmington, MA 01887 as a representative of the Town of Wilmington on the Reading Municipal Light Department, Citizen's Advisory Board. Mr. Ollila replaces A. Quincy Vale. Please notify Mr. Ollila of meeting dates and times at the address provided. Thank you.

Sincerely,

Michael A. Caira  
Town Manager

MAC/bjd

cc: Arthur J. Carakatsane, Chairman, Citizen's Advisory Board  
George W. Hooper, Advisory Board Member  
Thomas A. Ollila

**ITEM 4.**

**Reading CAB Vacancy**

**Paula O'Leary**

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**From:** Vincent Cameron  
**Sent:** Thursday, September 23, 2010 1:52 PM  
**To:** Paula O'Leary  
**Subject:** FW: My CAB Membership

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**From:** Tracy Sopchak [mailto:tsopchak@comcast.net]  
**Sent:** Wednesday, September 22, 2010 1:26 PM  
**To:** Peter Hechenbleikner; Vincent Cameron; Mary Ellen O'Neill; Arthur Carakatsane  
**Subject:** My CAB Membership

Arthur, Mary Ellen, Vinny, Peter,

I started a new job on Monday. I am very very excited. It is with Groundwork Lawrence, a small non-profit doing environmental sustainability and justice work in the city. I have been doing pro-bono work for them all year. The job is part time, flexible hours and I can work at home some of the time. I am the Development Manger responsible for all things funding related and there is a lot of potential for growth there and in related fields and organizations.

Due to this drastic change in my lifestyle, I am going to need to cut back on my extra curricular activities so that I can manage work and home. Unfortunately this means I am resigning my position on the CAB. I have much enjoyed my short stint on the committee and I've learned a lot. I will forever have a deep appreciation of the important role that municipals play in the electricity industry.

If it would help for me to come to a final meeting as a replacement is being found, I can certainly do that.

Best Regards,

Tracy

9/26/2010

**ITEM 5.**

**Minutes of Meeting  
July 12, 2010**

3.

**CITIZENS' ADVISORY BOARD  
MEETING MINUTES  
Regular Session**

TIME: 6:30 P.M.  
DATE: Monday, July 12, 2010  
PLACE: Reading Municipal Light Department, General Manager's Conference Room  
PRESENT: CAB: A. Carakatsane, Chairman, (Lynnfield), J. Norton, Secretary, (North Reading),  
T. Sopchak, (Reading), G. Hooper (Wilmington), Q. Vale (Wilmington)  
RMLD Board: Chairman M.E. O'Neill, R. Soli, P. Pacino, and G. Snyder  
RMLD Staff: V. Cameron, P. O'Leary,

**1. Call Meeting to Order – A. Carakatsane, Chairman**

Chairman Carakatsane called the meeting to order at 6:37 P.M. and announced the meeting is being recorded.

**2. Minutes of Meetings – A. Carakatsane**

Mr. Hooper made a motion seconded by Mr. Vale to approve the minutes of April 7, 2010, April 13, 2010, and May 20, 2010 as written.

**Motion carried unanimously 5:0:0.**

**3. Cost of Service Study (COSS) – V. Cameron**

Mr. Cameron referenced his memo dated June 29, 2010, where he stated that during FY11 budget discussions, he believed a 5.2% increase in base rates was necessary; however, adjustments to the revenue requirements and an increase in kWh sales during the last quarter of FY10 decreased that increase to 2.78% overall. He explained that as was shown in the last COSS some rates increased and some rates decreased or were level funded. Though no rates were decreased, the increases in the rates that showed an increase were abated by the amount of money from the rates that were not decreased. He stated the same method was used in this COSS, and added that even though there is a 2.78% proposed increase, the Residential A rate is proposed to increase 3.65%; the Residential Water Heating rate, 3.96%; and the Commercial C rate 4.27%. He noted that these are the only rates that would experience a rate increase from the COSS and outside of the Purchase Power Adjustment (PPA). He noted that the PPA charge adjusts for increases in base power supply costs (capacity and transmission) and explained how the PPA charge is calculated.

Mr. Cameron stated that there will be a rate increase for every customer class--some will be increased based on the COSS; all are increased by the PPA; and the residential, residential hot water, and commercial will be increased by both. (All are outlined in the COSS tables.)

Discussion ensued.

Mr. Cameron proceeded to outline the COSS tables and exhibits, and explain how the numbers were calculated. (See attached.)

He referred everyone to Page 3, and detailed the adjustments made to the FY11 Operating Budget. Ms. Sopchak asked if the HAZMAT charged would be itemized on customers' bills?

Mr. Cameron replied, "Yes", and it will be charged on a cents per kWh basis.

He stated that the approved O&M budget of \$45,250,297 actually resulted in a revenue requirement of \$45,892,928 that includes a return on net plant, which is less than one-half of the RMLD's allowable return. Discussion ensued.

Ms. O'Neill asked about the HAZMAT charge of \$600,000, but the Department will be receiving only \$100,000 a year. Ms. O'Neill was concerned with the length of time it would take to collect the full amount, and would not like to see it lingering for six or seven years.

Mr. Cameron explained that he did not want to collect the entire amount in one year, which would be too much of a burden to the ratepayers. He prefers to make an annual decision as to the amount to be collected, and was not sure if the entire amount will be collected.

Discussion ensued.

Mr. Cameron gave an overview of Table 3.

Mr. Soli was concerned with two categories: Streetlights and Coop-Resale.

Mr. Cameron stated that the streetlight rate has not been changed in 15 years; the rate is a direct charge rate; and all the capital and operating costs of the streetlights are lumped into the streetlight charge. He admits that this charge needs its own COSS, and be updated.

Regarding the coop-resale, Mr. Cameron stated that these are the RMLD's fringe customers--customers who are on the service territory's borders that the RMLD services instead of National Grid and NSTAR. He noted that one location included in this COSS as a coop-resale customer and not in the previous one, is the Avalon complex on the Reading-Wilmington-Woburn border. He believes this inclusion is making this rate higher than before.

Discussion ensued.

Mr. Cameron will get back to Mr. Norton with the information on how the streetlight rate will affect the towns' budget.

Mr. Carakatsane commented that a rate adjustment decrease of \$300,000 in the streetlight category benefits the towns, and added that sometime in the near future, that rate needs to be looked at, because it is a substantial amount of kW's.

Mr. Cameron stated that once the current capital costs are looked at, costs would most likely be added. He stated the rate does need a study of its own.

Ms. Sopchak questioned the methodology used, and asked if there were any thought given to reducing the rate on the classes that are not increasing as far as the usage to compensate for the purchase power so that in the end those classes have an overall rate increase of zero.

Mr. Cameron did not consider it in this study and was just trying to soften the increases.

Discussion ensued.

The consensus of the CAB was that a separate study be done on the streetlight rate prior to the towns planning their next fiscal (FY12) year budgets.

Mr. Cameron gave an overview of Table 4.

Ms. O'Neill suggested that the HAZMAT charge/rate increase be shown on this table in a dollar amount.

Mr. Cameron stated the amount would be approximately \$.33/month.

Mr. Cameron gave an overview of Table 5 - Bill Frequency. The table shows the total of all the kWhs billed out for that month for each of the rates. Demand charges are the total bill demand, which is higher than the peak.



Mr. Cameron would add the kWhs and kW to this table.

Mr. Soli stated that NEPOOL tells the RMLD once a year that they have to pay for 243,852 kWhs per month for the whole year. He questioned how RMLD collects the money.

Mr. Cameron explained that the money is part of the \$27.7 million in the COSS, under account 555, power supply expense. He added that when ISPO-NE tells the RMLD they have to pay for 243,852 kW/month, RMLD's entitlements are deducted, and then the RMLD has to pay the POOL the balance of that or in other words, for every kW that the POOL has to supply to RMLD. Mr. Cameron stated what pays for that is demand and energy in the base rates.

Mr. Soli said that he has never seen the numbers on that, and would like to see the accounting of how the RMLD pays that demand and how the RMLD gets it from the customers, because the RMLD should be able to go through a year's worth of bills for those who pay demand charges and say, "here's what they pay".

Mr. Cameron said that he could get this data for Mr. Soli.

Mr. Vale would like to understand how the energy charge from the residential and streetlight rates goes to satisfy the total demand that the RMLD is responsible for.

Mr. Cameron will get back to Mr. Vale.

Mr. Soli commented regarding the school rate that he has never seen a year's worth of hourly load data and how it applies to the peak that determines RMLD's demand charge.

Mr. Cameron would send the information to Mr. Soli.

Mr. Cameron stated that Table 6 is a descriptive list of allocators.

Mr. Cameron gave an overview of Table 7.

Mr. Cameron then proceeded to the Exhibits and stated that Exhibit 1A backs up the information in Table 4. The exhibits show the components of each one of the existing and proposed rates. At the bottom they also show the overall increase, the PPA increase, what is attributable to the PPA increase, and what is attributable to the rate increase.

Mr. Cameron then gave an overview of Exhibits 2 through 6.

Regarding Exhibit 2, Mr. Soli asked how the TOU billing was done?

Mr. Cameron responded, "by the highest demand of the month".

Mr. Soli commented that the ISO bills the RMLD one way, and the RMLD bills its ratepayers differently--based on a once a month peak instead of an annual peak.

Mr. Cameron explained that he uses the 12CP method, which is the average demand for the 12 months. He feels this is the fairest allocator for all the customer classes because it takes into consideration the seasonal usage. If the RMLD were to use 1CP, which is the highest demand of the year, he thinks it would penalize the residential customers a too much.

Mr. Soli stated that never having seen the data, he couldn't express an opinion.

Note: Mr. Soli left at this point in the meeting.

Chairman Carakatsane opened the discussion for general questions.

Discussion ensued.

Ms. O'Neill asked why does the commercial rate have the highest rate increase?

Mr. Cameron responded that it is all based on usage patterns.

Ms. O'Neill stated that she is disappointed that there has been no restructuring of the Time of Use (TOU) rates. She believes it would be more useful to reduce the hours of on peak, and make them more valuable by making them pricier.

Mr. Cameron stated that the hours could be reduced, which would open up the differential between the on-peak and off-peak rate. He stated that a new metering system will be put in, which will allow customers to have a home area network that will read the high frequency ERT on the meter, and tell a customer via his/her computer what the usage is. He would like not to restructure the TOU rate now, but have an alternative TOU rate for people who will use this home area network. He added that the unit is pricey, and the Department is beta testing them now.

Mr. Carakatsane stated that unless it is attractive enough, customers would not take advantage of it.

Chairman Carakatsane noted that differentiation between the rate classes in the 2008 COSS was severe. The Department was under recovering residential over 13%; water heater-10%; residential TOU-6.7%; and commercial-13.6% with all the rest in positive territory. Streetlights were over recovering 48%, so it has jumped up to 55% this time. The idea was that the COSS two years ago was a start to get the RMLD going in the right direction. He sees that it is evening out more, but that there is still a way to go. He stated that it is obvious that a rate change in these classes is needed. He is definitely in favor of the streetlight study and probably the TOU residential at the same time.

Discussion ensued.

Mr. Norton made the following motion seconded by Mr. Hooper:

MOVE that the Citizens' Advisory Board (CAB) recommend to the RMLD Board of Commissioners to accept the Cost of Service Study as presented to the CAB at its meeting on July 12, 2010.

**Motion carried unanimously 5:0:0.**

#### **4. Twenty-Year Agreement Extension Update, V. Cameron**

The extension document is complete and all four towns have signed it.

#### **5. Open Meeting Law Changes (see attached) – V. Cameron**

Ms. O'Leary highlighted a few of the changes: The Chair must announce the items to be discussed in executive session; all votes in executive session must be by roll call; and posting of the meetings must include agenda items.

Mr. Cameron noted that if a CAB member were on the phone during a meeting, special permission from the AG's office would be required to vote.

#### **6. Other Items for Discussion**

NEPPA Annual Conference – Chairman Carakatsane and Mr. Vale are registered to attend.

#### **7. Schedule Next Meeting**

Tentatively, Tuesday, September 21, 2010 at 7:00 P.M. (Note day and time change.)

Chairman Carakatsane suggested a presentation in terms of conservation and its impact on rates from the Energy Efficiency Manager, Jared Carpenter, for the September meeting along with the year-end financials from Bob Fournier.

**8. Executive Session**

Mr. Hooper made the following motion seconded by Mr. Vale:

MOVE that the Citizens' Advisory Board (CAB) go into Executive Session based on Chapter 30A §§18-25 and/or Chapter 164 §47D, exemption from public records and open meeting requirements in certain instances, to approve minutes and to return to Regular Session for the sole purpose of adjournment.

**Motion carried unanimously by a poll of the Board:** 5:0:0. Mr. Norton – Aye; Ms. Sopchak – Aye; Mr. Hooper – Aye; Mr. Vale – Aye; Mr. Carakatsane – Aye.

**9. Adjournment**

Mr. Norton made a motion seconded by Mr. Hooper to adjourn Regular Session at 8:47 P.M.

**Motion carried unanimously: 5:0:0.**

Respectfully submitted,

\_\_\_\_\_  
John Norton, Secretary

Minutes approved on: \_\_\_\_\_

/pmo

List of Documents Used:

1. Memo dated June 29, 2010 to CAB from V. Cameron.
2. Cost of Service Study dated June 29, 2010
3. Open Meeting Law Changes

**ITEM 6.**

**Energy Efficiency Update**

# Reading Municipal Light Department Energy Conservation Program

November 2010 Update

## Topics

- Existing Programs
- New Programs
- Smart Grid Programs
- Other
- Upcoming for FY11



## Existing Programs

- COMMERCIAL
  - Commercial Lighting Program
    - Self contained retroactive program
  - Commercial Audit Program
    - One project in progress
  - Commercial Energy Initiative Rebate Program
    - Many active projects
    - \$721,484.39 Collected since October 2008
    - \$319,343.82 Spent as of May 2010

# Efficiency Projects

Location	Type of Work	kW Saved	Rebate	Stage
USPS	Lighting and HVAC Controls	270	\$ 50,000.00	Complete
Town of Reading	Multiple	32	\$ 31,000.00	Complete
United Tool and Die	Compressed Air	11	\$ 8,500.00	Complete
MKS	VFD on Pumping System	32	\$ 10,500.00	Complete
Teradyne	Chiller, VFD's, Controls	265	\$ 90,000.00	In Progress
Teradyne	Heat Exchanger	15	\$ 3,500.00	Complete
YMCA	Pool Lights and Controls, Gym Lights	35	\$ 11,511.00	Complete
55 Walkers Brook	Roof Top Unit	70	\$ 15,000.00	Complete
Warner Babcock	Chiller, VFD's, Controls	85	\$ 50,000.00	On Long Term Hold
230 Ash Street	Multiple	25	\$ -	no
Ametek	Multiple	105	\$ 30,000.00	
CMS	Induction Lights, Solar?	25	\$ 14,000.00	In Progress
Dow 200 Ballardvale	Multiple	70	\$ 15,000.00	Partial Work Done
Hood Elementary School	VFD on Pumping System	15	\$ 1,800.00	Complete
Janis	RTU (High Eff)	3	\$ 1,300.00	They should be ordered
Jordans	CoGeneration			
Kirkwood	Lights, Chiller	25	\$ 10,000.00	
Polymer	Multiple	20	\$ 14,000.00	Chillers ordered
Tecomet	Multiple			
Townsend Welding	RTU (High Eff)	6.3	\$ 1,000.00	Complete
Fraen	Air Dryer for Compressed Air System	6.1	\$ 1,000.00	Complete
Longwood	LED Lights, RTU's, Kitchen Hoods	10	\$ 3,000.00	In Progress
Analog	Multiple	250	\$ 50,000.00	Analysis To Start
Textron	Chillers, Pumps, VFD's, Lights, Controls	250	\$ 50,000.00	Analysis In Progress
Papa Ginos	Roof Top Unit	15	\$ 5,000.00	In Progress
<b>Total</b>		<b>1640.4</b>	<b>\$ 466,111.00</b>	

## Existing Programs

- RESIDENTIAL
  - \$206,099.75 Collected since October 2008
  - \$256,835.89 Spent as of May 2010
  - Appliance Rebate Program
  - Renewable Energy Rebate Program
    - Two new solar projects
    - One generator run by restaurant vegetable oil
  - Residential Energy Audit
    - Many customers using program
    - New auditor, updated program
  - Residential Energy Consultation
    - Ongoing successfully with Customer Service

# New Programs

- COMMERCIAL
  - Infrared Program
  - Measurement & Verification
- RESIDENTIAL
  - Smart Strips
  - Online Home Energy Use Graph

- Compressor Analysis

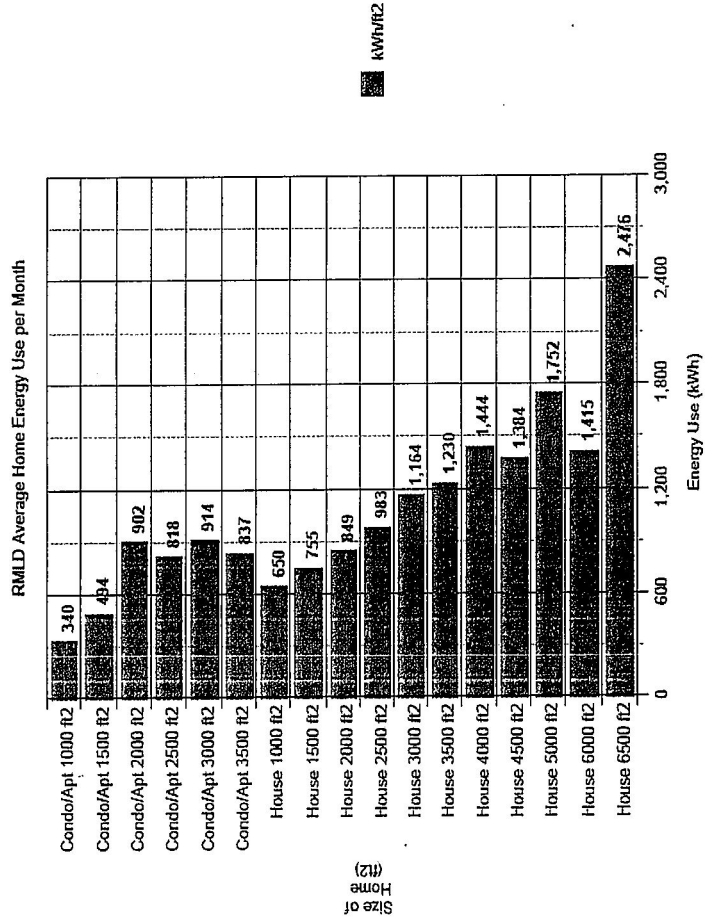
- kW Mapping

- Thermal Readings

- Motor Bearing Analysis

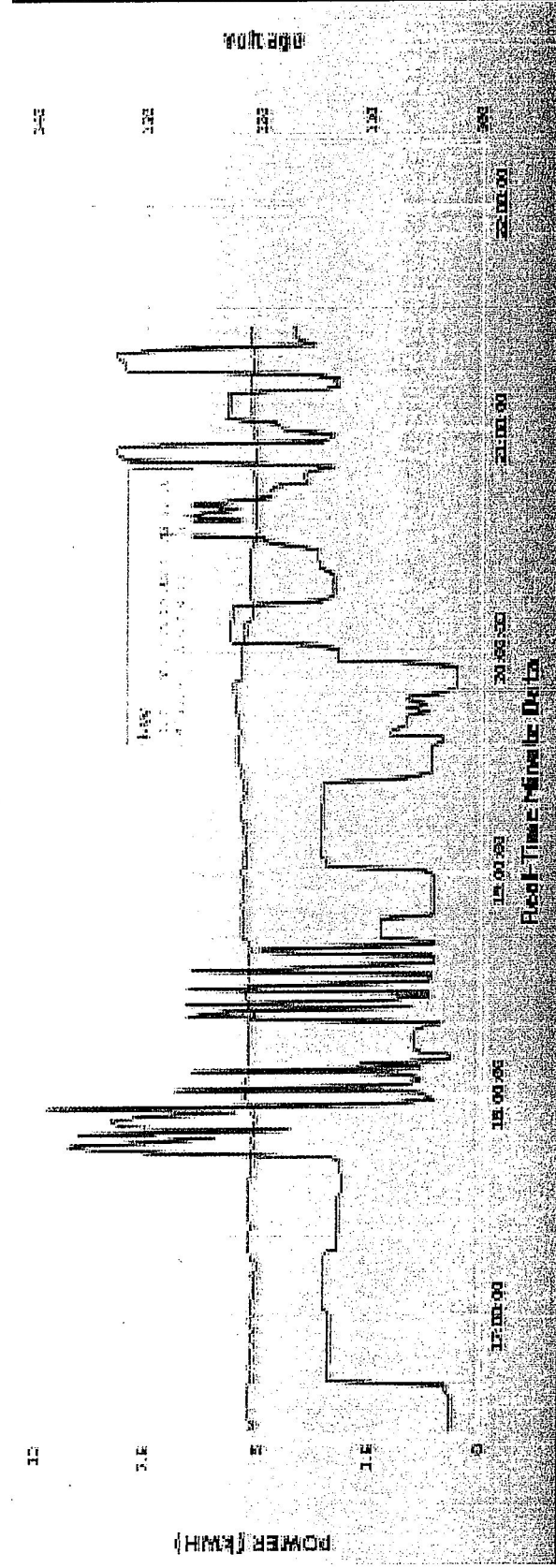
- Light Level Analysis

- And More!



# Smart Grid Update

- Pilot Program
  - Real time home energy monitoring
  - Home display and online display for both the home owner and the RMLD
- Home Automation Networks (HAN) are now installed



# Upcoming for FY11

- **Residential**

- Continue implementing electric vehicles to increase kWh sales and save residential customers money.
- Update the Residential Time of Use program.
- Implement new items to the Residential Audit program to more effectively serve our customers.
- Finalize and analyze the Smart Grid Pilot Program.
- Add more ways to get detailed information to our customers.

- **Commercial**

- New custom projects currently in the works.
- Update the Commercial Lighting rebate program.
- Reduce the energy use in our building to a respectable level.
- Continue to add technologies as examples of good solutions to our customers.



**ITEM 7.**

**FY10 Year End Financials**

and

**First Quarter Financials**

# **FINANCIAL REPORT**

**JUNE 30, 2010**

**ISSUE DATE: SEPTEMBER 23, 2010**

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF NET ASSETS  
6/30/10

		PREVIOUS YEAR	CURRENT YEAR
<b>ASSETS</b>			
<b>CURRENT</b>			
UNRESTRICTED CASH	(SCH A P.9)	8,635,771.68	8,124,273.81
RESTRICTED CASH	(SCH A P.9)	11,563,436.64	15,298,885.37
RESTRICTED INVESTMENTS	(SCH A P.9)	4,400,000.00	1,400,000.00
RECEIVABLES, NET	(SCH B P.10)	7,087,246.21	7,823,934.75
PREPAID EXPENSES	(SCH B P.10)	753,345.33	742,430.36
INVENTORY		1,563,069.56	1,634,570.58
<b>TOTAL CURRENT ASSETS</b>		<u>34,002,869.42</u>	<u>35,024,094.87</u>
<b>NONCURRENT</b>			
INVESTMENT IN ASSOCIATED CO	(SCH C P.2)	122,391.17	97,690.11
CAPITAL ASSETS, NET	(SCH C P.2)	64,657,089.94	66,881,499.55
OTHER ASSETS	(SCH C P.2)	15,988.48	14,523.70
<b>TOTAL NONCURRENT ASSETS</b>		<u>64,795,469.59</u>	<u>66,993,713.36</u>
<b>TOTAL ASSETS</b>		<u>98,798,339.01</u>	<u>102,017,808.23</u>
<b>LIABILITIES</b>			
<b>CURRENT</b>			
ACCOUNTS PAYABLE		5,517,907.32	6,330,621.33
CUSTOMER DEPOSITS		496,335.27	499,196.52
CUSTOMER ADVANCES FOR CONSTRUCTION		696,516.89	333,919.00
ACCRUED LIABILITIES		624,749.08	1,014,174.02
CURRENT PORTION OF BONDS PAYABLE		550,000.00	0.00
<b>TOTAL CURRENT LIABILITIES</b>		<u>7,885,508.56</u>	<u>8,177,910.87</u>
<b>NONCURRENT</b>			
BONDS PAYABLE, NET OF CURRENT PORTION		0.00	0.00
ACCRUED EMPLOYEE COMPENSATED ABSENCES		2,873,114.33	3,020,032.75
<b>TOTAL NONCURRENT LIABILITIES</b>		<u>2,873,114.33</u>	<u>3,020,032.75</u>
<b>TOTAL LIABILITIES</b>		<u>10,758,622.89</u>	<u>11,197,943.62</u>
<b>NET ASSETS</b>			
INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT		64,107,089.94	66,881,499.55
RESTRICTED FOR DEPRECIATION FUND (P.9)		4,403,129.56	4,801,693.77
UNRESTRICTED		19,529,496.62	19,136,671.29
<b>TOTAL NET ASSETS</b>	(P.3)	<u>88,039,716.12</u>	<u>90,819,864.61</u>
<b>TOTAL LIABILITIES AND NET ASSETS</b>		<u>98,798,339.01</u>	<u>102,017,808.23</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
NONCURRENT ASSET SCHEDULE  
6/30/10

SCHEDULE C

	PREVIOUS YEAR	CURRENT YEAR
SCHEDULE OF INVESTMENTS IN ASSOCIATED COMPANIES		
NEW ENGLAND HYDRO ELECTRIC	46,153.24	36,244.74
NEW ENGLAND HYDRO TRANSMISSION	76,237.93	61,445.37
TOTAL INVESTMENTS IN ASSOCIATED COMPANIES	<u>122,391.17</u>	<u>97,690.11</u>
SCHEDULE OF CAPITAL ASSETS		
LAND	1,265,842.23	1,265,842.23
STRUCTURES AND IMPROVEMENTS	6,997,417.80	6,748,734.96
EQUIPMENT AND FURNISHINGS	11,482,660.67	12,519,024.99
INFRASTRUCTURE	<u>44,911,169.24</u>	<u>46,347,897.37</u>
TOTAL UTILITY PLANT	<u>64,657,089.94</u>	<u>66,881,499.55</u>
SCHEDULE OF OTHER ASSETS		
PURCHASED POWER WORKING CAPITAL	14,523.70	14,523.70
UNAMORTIZED DEBT EXPENSE	1,464.78	0.00
TOTAL OTHER ASSETS	<u>15,988.48</u>	<u>14,523.70</u>
TOTAL NONCURRENT ASSETS	<u>64,795,469.59</u>	<u>66,993,713.36</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
6/30/10

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
OPERATING REVENUES: (SCH D P.11)					
BASE REVENUE	3,164,418.26	3,493,129.92	39,024,319.05	39,106,954.41	0.21%
FUEL REVENUE	2,216,274.29	2,409,382.38	52,848,748.58	41,546,344.64	-21.39%
PURCHASED POWER CAPACITY	(173,819.97)	819,472.25	2,222,886.36	5,063,828.87	127.80%
FORFEITED DISCOUNTS	68,576.78	65,613.13	859,519.43	855,588.10	-0.46%
ENERGY CONSERVATION REVENUE	69,630.03	47,753.63	425,374.44	549,963.33	29.29%
PASNY CREDIT	134,322.18	(98,243.62)	(1,212,862.93)	(579,841.21)	-52.19%
TOTAL OPERATING REVENUES	5,479,401.57	6,737,107.69	94,167,984.93	86,542,838.14	-8.10%
OPERATING EXPENSES: (SCH E P.12)					
PURCHASED POWER BASE	2,556,572.15	2,406,138.09	26,370,543.86	27,632,913.08	4.79%
PURCHASED POWER FUEL	3,419,956.76	3,623,803.60	50,801,799.52	40,379,788.59	-20.52%
OPERATING	1,378,657.27	1,002,766.26	8,616,955.79	8,381,084.26	-2.74%
MAINTENANCE	326,287.48	682,977.87	2,402,780.13	3,311,793.35	37.83%
DEPRECIATION	261,186.93	(840,317.32)	3,134,386.93	2,240,846.26	-28.51%
VOLUNTARY PAYMENTS TO TOWNS	122,998.00	133,385.00	1,207,979.00	1,282,631.00	6.18%
TOTAL OPERATING EXPENSES	8,065,658.59	7,008,753.50	92,534,445.23	83,229,056.54	-10.06%
OPERATING INCOME	(2,586,257.02)	(271,645.81)	1,633,539.70	3,313,781.60	102.86%
OPERATING REVENUES (EXPENSES)					
CONTRIBUTIONS IN AID OF CONST	131,804.54	351,255.96	378,832.50	1,194,104.71	215.21%
RETURN ON INVESTMENT TO READING	(215,827.14)	(185,793.51)	(2,152,491.79)	(2,190,241.01)	1.75%
INTEREST INCOME	19,391.32	24,214.79	398,369.50	184,618.17	-53.66%
INTEREST EXPENSE	(3,378.29)	9,407.48	(46,395.61)	(10,154.83)	-78.11%
OTHER (MDSE AND AMORT)	41,866.78	23,927.76	204,833.13	288,039.85	40.62%
TOTAL NONOPERATING REV (EXP)	(26,142.79)	223,012.48	(1,216,852.27)	(533,633.11)	-56.15%
CHANGE IN NET ASSETS	(2,612,399.81)	(48,633.33)	416,687.43	2,780,148.49	567.20%
NET ASSETS AT BEGINNING OF YEAR			87,623,028.69	88,039,716.12	0.48%
NET ASSETS AT END OF JUNE			88,039,716.12	90,819,864.61	3.16%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
6/30/10

	ACTUAL YEAR TO DATE	BUDGET ** YEAR TO DATE	VARIANCE*	% CHANGE
OPERATING REVENUES: (SCH F P.11B)				
BASE REVENUE **	39,106,954.41	38,477,387.00	629,567.41	1.64%
FUEL REVENUE	41,546,344.64	42,169,314.00	(622,969.36)	-1.48%
PURCHASED POWER CAPACITY	5,063,828.87	4,877,529.00	186,299.87	3.82%
FORFEITED DISCOUNTS	855,588.10	838,430.00	17,158.10	2.05%
ENERGY CONSERVATION REVENUE	549,963.33	564,781.00	(14,817.67)	-2.62%
PASNY CREDIT	(579,841.21)	(210,225.00)	(369,616.21)	100.00%
TOTAL OPERATING REVENUES	86,542,838.14	86,717,216.00	(174,377.86)	-0.20%
OPERATING EXPENSES: (SCH G P.12A)				
PURCHASED POWER BASE	27,632,913.08	27,086,973.00	545,940.08	2.02%
PURCHASED POWER FUEL	40,379,788.59	41,149,203.68	(769,415.09)	-1.87%
OPERATING	8,381,084.26	8,255,886.44	125,197.82	1.52%
MAINTENANCE	3,311,793.35	2,206,551.64	1,105,241.71	50.09%
DEPRECIATION	2,240,846.26	3,375,634.68	(1,134,788.42)	-33.62%
VOLUNTARY PAYMENTS TO TOWNS	1,282,631.00	1,253,746.00	28,885.00	2.30%
TOTAL OPERATING EXPENSES	83,229,056.54	83,327,995.44	(98,938.90)	-0.12%
OPERATING INCOME	3,313,781.60	3,389,220.56	(75,438.96)	-2.23%
NONOPERATING REVENUES (EXPENSES)				
CONTRIBUTIONS IN AID OF CONST	1,194,104.71	935,356.00	258,748.71	27.66%
RETURN ON INVESTMENT TO READING	(2,190,241.01)	(2,236,685.00)	46,443.99	-2.08%
INTEREST INCOME	184,618.17	311,575.00	(126,956.83)	-40.75%
INTEREST EXPENSE	(10,154.83)	(20,790.00)	10,635.17	-51.16%
OTHER (MDSE AND AMORT)	288,039.85	169,358.00	118,681.85	70.08%
TOTAL NONOPERATING REV (EXP)	(533,633.11)	(841,186.00)	307,552.89	-36.56%
CHANGE IN NET ASSETS	2,780,148.49	2,548,034.56	232,113.93	9.11%
NET ASSETS AT BEGINNING OF YEAR	88,039,716.12	88,039,716.12	0.00	0.00%
NET ASSETS AT END OF JUNE	90,819,864.61	90,587,750.68	232,113.93	0.26%

\* ( ) = ACTUAL UNDER BUDGET

\*\* REFORECASTED AS OF 12/31/09

\*\* 6 MONTHS ACTUAL / 6 MONTHS BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
RECONCILIATION OF CAPITAL FUNDS  
6/30/10

SOURCE OF CAPITAL FUNDS:

DEPRECIATION FUND BALANCE 7/1/09	4,403,129.56
CONSTRUCTION FUND BALANCE 7/1/09	1,000,000.00
INTEREST ON DEPRECIATION FUND FY 10	21,275.91
DEPRECIATION TRANSFER FY 10	2,240,846.26
FORCED ACCOUNTS REIMBURSEMENT	232,392.92
GAW SUBSTATION (FY 10)	<u>1,372,876.00</u>
 TOTAL SOURCE OF CAPITAL FUNDS	 9,270,520.65

USE OF CAPITAL FUNDS:

PAID ADDITIONS TO PLANT THRU JUNE	3,095,950.88
PAID ADDITIONS TO GAW THRU JUNE	<u>1,372,876.00</u>
TOTAL USE OF CAPITAL FUNDS	4,468,826.88

GENERAL LEDGER CAPITAL FUNDS BALANCE 6/30/10	<u><u>4,801,693.77</u></u>
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PAID ADDITIONS TO GAW FROM FY 10	1,372,876.00
PAID ADDITIONS TO GAW FROM FY 09	3,136,764.00
PAID ADDITIONS TO GAW FROM FY 08	1,895,975.00
TOTAL	<u><u>6,405,615.00</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SALES OF KILOWATT HOURS  
6/30/10

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	17,796,107	20,229,374	246,073,284	246,312,681	0.10%
COMM. AND INDUSTRIAL SALES	31,568,740	36,210,648	418,765,700	406,009,794	-3.05%
PRIVATE STREET LIGHTING	71,005	70,918	854,140	852,109	-0.24%
TOTAL PRIVATE CONSUMERS	<u>49,435,852</u>	<u>56,510,940</u>	<u>665,693,124</u>	<u>653,174,584</u>	-1.88%
MUNICIPAL SALES:					
STREET LIGHTING	239,323	238,853	2,885,212	2,852,096	-1.15%
MUNICIPAL BUILDINGS	760,960	760,181	11,699,332	9,840,718	-15.89%
TOTAL MUNICIPAL CONSUMERS	<u>1,000,283</u>	<u>999,034</u>	<u>14,584,544</u>	<u>12,692,814</u>	-12.97%
SALES FOR RESALE	799,447	844,455	3,846,495	3,819,995	-0.69%
SCHOOL	1,215,548	1,260,882	11,936,685	14,703,446	23.18%
TOTAL KILOWATT HOURS SOLD	<u>52,451,130</u>	<u>59,615,311</u>	<u>696,060,848</u>	<u>684,390,839</u>	-1.68%



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
KILOWATT HOURS SOLD BY TOWN  
6/30/10

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	20,229,374	5,749,581	3,452,528	4,243,853	6,783,412
COMM & IND	36,210,648	3,631,084	287,108	5,354,488	26,937,968
PVT ST LIGHTS	70,918	13,867	1,360	20,898	34,793
PUB ST LIGHTS	238,853	80,436	32,589	39,657	86,171
MUNI BLDGS	760,181	179,637	145,851	153,085	281,608
SALES/RESALE	844,455	844,455	0	0	0
SCHOOL	1,260,882	449,102	282,604	162,400	366,776
TOTAL	<u>59,615,311</u>	<u>10,948,162</u>	<u>4,202,040</u>	<u>9,974,381</u>	<u>34,490,728</u>

YEAR TO DATE

RESIDENTIAL	246,312,681	76,962,044	35,091,433	56,782,959	77,476,245
COMM & IND	406,009,794	49,569,109	3,259,045	63,231,077	289,950,563
PVT ST LIGHTS	852,109	167,216	16,320	251,340	417,233
PUB ST LIGHTS	2,852,096	949,067	393,426	476,295	1,033,308
MUNI BLDGS	9,840,718	2,626,968	1,667,323	1,868,046	3,678,381
SALES/RESALE	3,819,995	3,819,995	0	0	0
SCHOOL	14,703,446	5,348,733	3,017,443	1,913,160	4,424,110
TOTAL	<u>684,390,839</u>	<u>139,443,132</u>	<u>43,444,990</u>	<u>124,522,877</u>	<u>376,979,840</u>

LAST YEAR  
TO DATE

RESIDENTIAL	246,073,284	77,774,791	34,740,551	57,281,591	76,276,351
COMM & IND	431,028,122	55,815,295	5,584,686	75,290,206	294,337,935
PVT ST LIGHTS	1,070,152	165,716	16,360	475,544	412,532
PUB ST LIGHTS	2,669,200	983,328	394,272	259,532	1,032,068
SALES/RESALE	3,283,405	3,283,405	0	0	0
SCHOOL	11,936,685	4,483,592	2,356,713	1,486,640	3,609,740
TOTAL	<u>696,060,848</u>	<u>142,506,127</u>	<u>43,092,582</u>	<u>134,793,513</u>	<u>375,668,626</u>

KILOWATT HOURS SOLD TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	33.93%	9.64%	5.79%	7.12%	11.38%
COMM & IND	60.74%	6.09%	0.48%	8.98%	45.19%
PVT ST LIGHTS	0.12%	0.02%	0.00%	0.04%	0.06%
PUB ST LIGHTS	0.39%	0.13%	0.05%	0.07%	0.14%
MUNI BLDGS	1.28%	0.30%	0.24%	0.26%	0.48%
SALES/RESALE	1.42%	1.42%	0.00%	0.00%	0.00%
SCHOOL	2.13%	0.75%	0.47%	0.27%	0.63%
TOTAL	<u>100.00%</u>	<u>18.35%</u>	<u>7.03%</u>	<u>16.74%</u>	<u>57.88%</u>

YEAR TO DATE

RESIDENTIAL	35.99%	11.25%	5.13%	8.30%	11.31%
COMM & IND	59.32%	7.24%	0.48%	9.24%	42.36%
PVT ST LIGHTS	0.12%	0.02%	0.00%	0.04%	0.06%
PUB ST LIGHTS	0.42%	0.14%	0.06%	0.07%	0.15%
MUNI BLDGS	1.44%	0.38%	0.24%	0.27%	0.55%
SALES/RESALE	0.56%	0.56%	0.00%	0.00%	0.00%
SCHOOL	2.15%	0.78%	0.44%	0.28%	0.65%
TOTAL	<u>100.00%</u>	<u>20.37%</u>	<u>6.35%</u>	<u>18.20%</u>	<u>55.08%</u>

LAST YEAR  
TO DATE

RESIDENTIAL	35.35%	11.17%	4.99%	8.23%	10.96%
COMM & IND	61.93%	8.02%	0.80%	10.82%	42.29%
PVT ST LIGHTS	0.12%	0.02%	0.00%	0.04%	0.06%
PUB ST LIGHTS	0.42%	0.14%	0.06%	0.07%	0.15%
SALES/RESALE	0.47%	0.47%	0.00%	0.00%	0.00%
SCHOOL	1.71%	0.64%	0.34%	0.21%	0.52%
TOTAL	<u>100.00%</u>	<u>20.46%</u>	<u>6.19%</u>	<u>19.37%</u>	<u>53.98%</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
FORMULA INCOME  
6/30/10

TOTAL OPERATING REVENUES	(P.3)	86,542,838.14
ADD:		
POLE RENTAL		119,936.60
INTEREST INCOME ON CUSTOMER DEPOSITS		2,147.42
LESS:		
OPERATING EXPENSES	(P.3)	(83,229,056.54)
BOND INTEREST EXPENSE		(4,445.77)
CUSTOMER DEPOSIT INTEREST EXPENSE		(5,709.06)
FORMULA INCOME (LOSS)		<u>3,425,710.79</u>

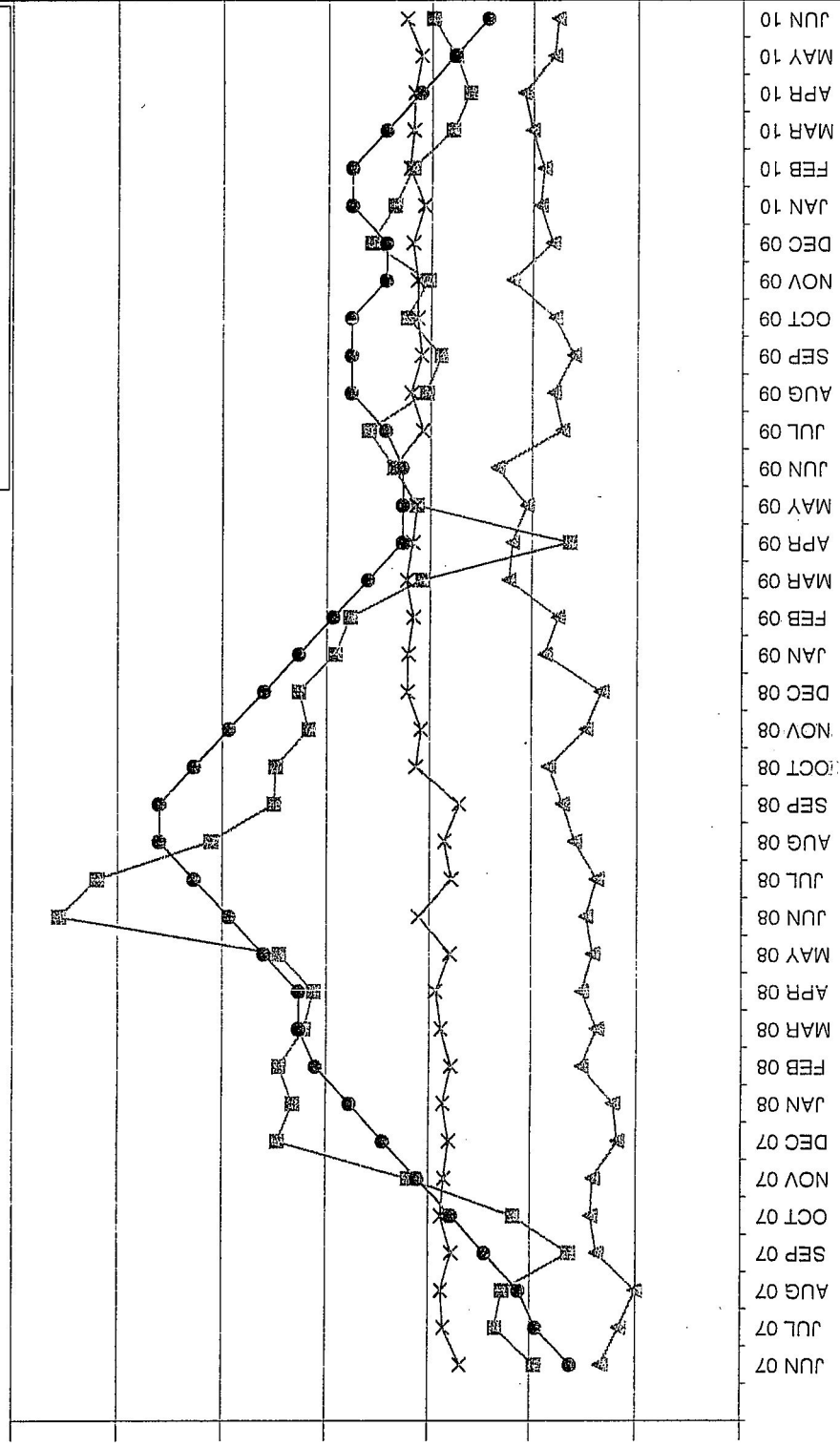
TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
GENERAL STATISTICS  
6/30/10

		MONTH OF JUN 2009	MONTH OF JUN 2010	% CHANGE		YEAR JUN 2009	THRU JUN 2010
				2009	2010		
SALE OF KWH	(P.5)	52,451,130	59,615,311	-3.01%	-1.68%	696,060,848	684,390,839
KWH PURCHASED		56,820,690	66,124,535	-3.98%	-0.23%	716,753,946	715,128,055
AVE BASE COST PER KWH		0.044994	0.036388	23.40%	5.02%	0.036792	0.038641
AVE BASE SALE PER KWH		0.060331	0.058595	5.86%	1.92%	0.056065	0.057141
AVE COST PER KWH		0.105182	0.091191	15.41%	-11.67%	0.107669	0.095106
AVE SALE PER KWH		0.102585	0.099010	13.11%	-10.72%	0.131990	0.117847
FUEL CHARGE REVENUE (P.3)		2,216,274.29	2,409,382.38	15.55%	-21.39%	52,848,748.58	41,546,344.64
LOAD FACTOR		69.03%	59.59%				
PEAK LOAD		112,757	152,014				

# kwh analysis

- base cost
- fuel cost
- fuel revenue
- base revenue

\$0.115  
\$0.100  
\$0.085  
\$0.070  
\$0.055  
\$0.040  
\$0.025  
\$0.010



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF CASH AND INVESTMENTS  
6/30/10

SCHEDULE A

	PREVIOUS YEAR	CURRENT YEAR
UNRESTRICTED CASH		
CASH - OPERATING FUND	8,632,771.68	8,121,273.81
CASH - PETTY CASH	3,000.00	3,000.00
TOTAL UNRESTRICTED CASH	<u>8,635,771.68</u>	<u>8,124,273.81</u>
RESTRICTED CASH		
CASH - DEPRECIATION FUND	4,403,129.56	4,801,693.77
CASH - TOWN PAYMENT	1,000,000.00	0.00
CASH - DEFERRED FUEL RESERVE	1,739,394.25	2,326,112.09
CASH - RATE STABILIZATION FUND	2,337,223.36	3,949,467.78
CASH - UNCOLLECTIBLE ACCTS RESERVE	28,988.15	200,000.00
CASH - SICK LEAVE BENEFITS	1,373,114.33	3,020,032.75
CASH - INSURANCE RESERVE	35,251.72	0.00
CASH - HAZARD WASTE RESERVE	150,000.00	150,000.00
CASH - CUSTOMER DEPOSITS	496,335.27	499,196.52
CASH - ENERGY CONSERVATION	0.00	352,382.46
TOTAL RESTRICTED CASH	<u>11,563,436.64</u>	<u>15,298,885.37</u>
RESTRICTED INVESTMENTS		
RATE STABILIZATION *	2,900,000.00	1,400,000.00
SICK LEAVE BENEFITS **	1,500,000.00	0.00
TOTAL RESTRICTED INVESTMENTS	<u>4,400,000.00</u>	<u>1,400,000.00</u>
TOTAL CASH BALANCE	<u>24,599,208.32</u>	<u>24,823,159.18</u>

JUN 2009

* FED HOME LOAN MTG CORP	1,400,000.00;	DTD 05/08/08; INT 4.00%; MATURITY 11/15/13
* FED HOME LOAN MTG CORP	1,500,000.00;	DTD 01/23/09; INT 2.00%; MATURITY 01/15/13
** FED HOME LOAN MTG CORP	500,000.00;	DTD 01/23/09; INT 2.00%; MATURITY 01/15/13
** FED HOME LOAN MTG CORP	500,000.00;	DTD 01/25/08; INT 4.25%; MATURITY 01/15/15
** FED NATIONAL MORT ASSN	500,000.00;	DTD 11/13/07; INT 5.25%; MATURITY 11/13/17

JUN 2010

* FED HOME LOAN MTG CORP	1,400,000.00;	DTD 07/02/09; INT 3.25%; MATURITY 07/15/14
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TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF ACCOUNTS RECEIVABLE  
6/30/10

SCHEDULE B

SCHEDULE OF ACCOUNTS RECEIVABLE	PREVIOUS YEAR	CURRENT YEAR
RESIDENTIAL AND COMMERCIAL	2,768,109.70	3,775,128.17
ACCOUNTS RECEIVABLE - OTHER	399,591.78	491,721.87
ACCOUNTS RECEIVABLE - LIENS	129,136.87	54,368.71
ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES	1,067.16	1,067.16
SALES DISCOUNT LIABILITY	(183,603.88)	(353,510.27)
RESERVE FOR UNCOLLECTIBLE ACCOUNTS	(200,000.00)	(200,000.00)
TOTAL ACCOUNTS RECEIVABLE BILLED	<u>2,914,301.63</u>	<u>3,768,775.64</u>
UNBILLED ACCOUNTS RECEIVABLE	4,172,944.58	4,055,159.11
TOTAL ACCOUNTS RECEIVABLE, NET	<u><u>7,087,246.21</u></u>	<u><u>7,823,934.75</u></u>

SCHEDULE OF PREPAYMENTS		
PREPAID INSURANCE	266,382.92	272,954.45
PREPAYMENT PURCHASED POWER	154,885.75	47,319.21
PREPAYMENT PASNY	332,076.66	247,206.63
PREPAYMENT WATSON	0.00	174,950.07
TOTAL PREPAYMENT	<u><u>753,345.33</u></u>	<u><u>742,430.36</u></u>

ACCOUNTS RECEIVABLE AGING JUNE 2010:

RESIDENTIAL AND COMMERCIAL	3,775,128.17
LESS: SALES DISCOUNT LIABILITY	(353,510.27)
GENERAL LEDGER BALANCE	<u><u>3,421,617.90</u></u>

CURRENT	2,797,034.74	81.74%
30 DAYS	378,977.74	11.08%
60 DAYS	113,137.72	3.31%
90 DAYS	43,008.18	1.26%
OVER 90 DAYS	89,459.52	2.61%
TOTAL	<u><u>3,421,617.90</u></u>	<u><u>100.00%</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE  
6/30/10

SCHEDULE D

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
SALES OF ELECTRICITY:					
RESIDENTIAL SALES	1,684,122.09	2,614,691.09	34,982,518.23	32,314,297.98	-7.63%
COMM AND INDUSTRIAL SALES	3,345,903.29	2,914,325.57	52,413,470.06	44,212,382.94	-15.65%
PRIVATE STREET LIGHTING	9,907.56	8,214.31	135,194.04	121,927.48	-9.81%
TOTAL PRIVATE CONSUMERS	<u>5,039,932.94</u>	<u>5,537,230.97</u>	<u>87,531,182.33</u>	<u>76,648,608.40</u>	-12.43%
MUNICIPAL SALES:					
STREET LIGHTING	34,121.98	49,444.59	584,005.30	555,715.12	-4.84%
MUNICIPAL BUILDINGS	1,420.61	75,117.25	1,620,125.63	1,168,574.62	-27.87%
TOTAL MUNICIPAL CONSUMERS	<u>35,542.59</u>	<u>124,561.84</u>	<u>2,204,130.93</u>	<u>1,724,289.74</u>	-21.77%
SALES FOR RESALE	91,139.99	106,549.53	531,354.45	478,128.25	-10.02%
SCHOOL	<u>214,077.03</u>	<u>134,169.96</u>	<u>1,606,399.92</u>	<u>1,802,272.66</u>	12.19%
SUB-TOTAL	5,380,692.55	5,902,512.30	91,873,067.63	80,653,299.05	-12.21%
FORFEITED DISCOUNTS	68,576.78	65,613.13	859,519.43	855,588.10	-0.46%
PURCHASED POWER CAPACITY	(173,819.97)	819,472.25	2,222,886.36	5,063,828.87	127.80%
ENERGY CONSERVATION - RESIDENTIAL	15,669.52	11,592.08	93,041.18	124,650.65	33.97%
ENERGY CONSERVATION - COMMERCIAL	53,960.51	36,161.55	332,333.26	425,312.68	27.98%
PASNY CREDIT	134,322.18	(98,243.62)	(1,212,862.93)	(579,841.21)	-52.19%
TOTAL REVENUE	<u><u>5,479,401.57</u></u>	<u><u>6,737,107.69</u></u>	<u><u>94,167,984.93</u></u>	<u><u>86,542,838.14</u></u>	-8.10%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE BY TOWN  
6/30/10

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	2,614,691.09	1,423,293.12	241,902.88	404,771.51	544,723.58
INDUS/MUNI BLDG	2,989,442.82	401,004.82	38,910.41	476,727.40	2,072,800.19
PUB.ST.LIGHTS	49,444.59	17,169.20	6,105.24	8,178.94	17,991.21
PRV.ST.LIGHTS	8,214.31	1,577.94	163.02	2,533.07	3,940.28
CO-OP RESALE	106,549.53	106,549.53	0.00	0.00	0.00
SCHOOL	134,169.96	48,792.00	26,861.78	17,931.86	40,584.32
TOTAL	<u>5,902,512.30</u>	<u>1,998,386.61</u>	<u>313,943.33</u>	<u>910,142.78</u>	<u>2,680,039.58</u>

THIS YEAR TO DATE

RESIDENTIAL	32,314,297.98	10,802,669.81	4,385,050.24	7,309,494.20	9,817,083.73
INDUS/MUNI BLDG	45,380,957.56	6,071,972.12	571,800.07	7,260,953.21	31,476,232.16
PUB.ST.LIGHTS	555,715.12	192,833.15	68,575.25	92,082.00	202,224.73
PRV.ST.LIGHTS	121,927.47	23,410.08	2,341.01	37,675.59	58,500.80
CO-OP RESALE	478,128.25	478,128.25	0.00	0.00	0.00
SCHOOL	1,802,272.67	655,486.57	361,535.90	241,504.54	543,745.67
TOTAL	<u>80,653,299.05</u>	<u>18,224,499.98</u>	<u>5,389,302.43</u>	<u>14,941,709.55</u>	<u>42,097,787.11</u>

LAST YEAR TO DATE

RESIDENTIAL	33,298,396.14	10,593,396.37	4,649,626.65	7,758,830.99	10,296,542.13
INDUS/MUNI BLDG	50,686,271.79	6,831,355.30	710,294.16	8,870,420.36	34,274,201.97
PUB.ST.LIGHTS	549,883.32	193,799.90	67,908.01	90,164.26	198,011.15
PRV.ST.LIGHTS	125,286.48	23,883.25	2,412.51	39,761.34	59,229.38
CO-OP RESALE	440,214.46	440,214.46	0.00	0.00	0.00
SCHOOL	1,392,322.89	522,389.07	269,004.57	179,021.69	421,907.56
TOTAL	<u>86,492,375.08</u>	<u>18,605,038.35</u>	<u>5,699,245.90</u>	<u>16,938,198.64</u>	<u>45,249,892.19</u>

PERCENTAGE OF OPERATING INCOME TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	44.30%	24.11%	4.10%	6.86%	9.23%
INDUS/MUNI BLDG	50.65%	6.79%	0.66%	8.08%	35.12%
PUB.ST.LIGHTS	0.83%	0.29%	0.10%	0.14%	0.30%
PRV.ST.LIGHTS	0.14%	0.03%	0.00%	0.04%	0.07%
CO-OP RESALE	1.81%	1.81%	0.00%	0.00%	0.00%
SCHOOL	2.27%	0.83%	0.46%	0.30%	0.68%
TOTAL	<u>100.00%</u>	<u>33.86%</u>	<u>5.32%</u>	<u>15.42%</u>	<u>45.40%</u>

THIS YEAR TO DATE

RESIDENTIAL	40.07%	13.39%	5.44%	9.06%	12.18%
INDUS/MUNI BLDG	56.27%	7.53%	0.71%	9.00%	39.03%
PUB.ST.LIGHTS	0.69%	0.24%	0.09%	0.11%	0.25%
PRV.ST.LIGHTS	0.15%	0.03%	0.00%	0.05%	0.07%
CO-OP RESALE	0.59%	0.59%	0.00%	0.00%	0.00%
SCHOOL	2.23%	0.81%	0.45%	0.30%	0.67%
TOTAL	<u>100.00%</u>	<u>22.59%</u>	<u>6.69%</u>	<u>18.52%</u>	<u>52.20%</u>

LAST YEAR TO DATE

RESIDENTIAL	38.08%	12.12%	5.32%	8.87%	11.77%
INDUS/MUNI BLDG	58.81%	7.93%	0.82%	10.29%	39.77%
PUB.ST.LIGHTS	0.63%	0.22%	0.08%	0.10%	0.23%
PRV.ST.LIGHTS	0.15%	0.03%	0.00%	0.05%	0.07%
CO-OP RESALE	0.58%	0.58%	0.00%	0.00%	0.00%
SCHOOL	1.75%	0.66%	0.34%	0.22%	0.53%
TOTAL	<u>100.00%</u>	<u>21.54%</u>	<u>6.56%</u>	<u>19.53%</u>	<u>52.37%</u>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED REVENUE VARIANCE REPORT  
6/30/10

SCHEDULE F

	ACTUAL YEAR TO DATE	BUDGET ** YEAR TO DATE	VARIANCE *	% CHANGE
SALES OF ELECTRICITY:				
RESIDENTIAL	17,133,391.34	16,374,576.00	758,815.34	4.63%
COMM AND INDUSTRIAL SALES				
PRIVATE STREET LIGHTING	20,443,254.23	20,592,792.00	(149,537.77)	-0.73%
MUNICIPAL BUILDINGS				
PUBLIC STREET LIGHTING	380,544.54	443,064.00	(62,519.46)	-14.11%
SALES FOR RESALE	236,349.34	217,018.00	19,331.34	8.91%
SCHOOL	<u>913,414.96</u>	<u>849,937.00</u>	<u>63,477.96</u>	7.47%
TOTAL BASE SALES	39,106,954.41	38,477,387.00	629,567.41	1.64%
TOTAL FUEL SALES	<u>41,546,344.64</u>	<u>42,169,314.00</u>	<u>(622,969.36)</u>	-1.48%
TOTAL OPERATING REVENUE	80,653,299.05	80,646,701.00	6,598.05	0.01%
FORFEITED DISCOUNTS	855,588.10	838,430.00	17,158.10	2.05%
PURCHASED POWER CAPACITY	5,063,828.87	4,877,529.00	186,299.87	3.82%
ENERGY CONSERVATION - RESIDENTIAL	124,650.65	148,535.00	(23,884.35)	-16.08%
ENERGY CONSERVATION - COMMERCIAL	425,312.68	416,246.00	9,066.68	2.18%
PASNY CREDIT	(579,841.21)	(210,225.00)	(369,616.21)	175.82%
TOTAL OPERATING REVENUES	<u><u>86,542,838.14</u></u>	<u><u>86,717,216.00</u></u>	<u><u>(174,377.86)</u></u>	-0.20%

\* ( ) = ACTUAL UNDER BUDGET

\*\* REFORECASTED AS OF 12/31/09

\*\* 6 MONTHS ACTUAL / 6 MONTHS BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING EXPENSES  
6/30/10

SCHEDULE E

OPERATION EXPENSES:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
PURCHASED POWER BASE EXPENSE	2,556,572.15	2,406,138.09	26,370,543.86	27,632,913.08	4.79%
OPERATION SUPER AND ENGIN-TRANS	0.00	0.00	0.00	0.00	0.00%
OPERATION SUP AND ENGINEERING EXP	37,592.35	41,907.36	392,803.14	421,757.84	7.37%
STATION SUP LABOR AND MISC	(1,081.36)	3,006.25	85,652.04	78,387.25	-8.48%
LINE MISC LABOR AND EXPENSE	59,478.59	51,511.10	640,702.79	665,950.72	3.94%
STATION LABOR AND EXPENSE	36,553.03	30,198.42	471,411.79	448,494.04	-4.86%
STREET LIGHTING EXPENSE	2,459.97	4,523.60	63,460.84	53,724.10	-15.34%
METER EXPENSE	35,842.70	33,141.09	404,780.91	379,674.41	-6.20%
MISC DISTRIBUTION EXPENSE	34,893.60	35,028.68	345,335.47	327,738.05	-5.10%
METER READING LABOR & EXPENSE	6,193.93	6,488.92	71,121.92	70,509.50	-0.86%
ACCT & COLL LABOR & EXPENSE	135,507.77	114,915.19	1,469,573.98	1,356,310.25	-7.71%
UNCOLLECTIBLE ACCOUNTS	117,620.76	48,393.88	232,020.76	186,386.80	-19.67%
ENERGY AUDIT EXPENSE	29,039.94	47,212.27	457,904.80	428,123.91	-6.50%
ADMIN & GEN SALARIES	68,049.68	64,082.88	768,719.34	756,599.70	-1.58%
OFFICE SUPPLIES & EXPENSE	38,984.90	42,684.09	299,237.63	294,662.17	-1.53%
OUTSIDE SERVICES	44,374.88	30,826.24	250,250.28	311,904.80	0.00%
PROPERTY INSURANCE	31,032.02	30,632.38	342,197.06	374,635.23	9.48%
INJURIES AND DAMAGES	(10,099.86)	7,482.96	48,140.27	59,793.83	24.21%
EMPLOYEES PENSIONS & BENEFITS	631,111.19	295,519.08	1,687,372.22	1,393,287.84	-17.43%
MISC GENERAL EXPENSE	12,666.87	10,283.62	157,645.62	150,107.44	-4.78%
RENT EXPENSE	14,374.07	14,652.65	193,964.89	191,241.11	-1.40%
ENERGY CONSERVATION	54,062.24	90,275.60	234,660.04	431,795.27	84.01%
TOTAL OPERATION EXPENSES	1,378,657.27	1,002,766.26	8,616,955.79	8,381,084.26	-2.74%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	227.10	227.08	2,725.00	2,724.98	0.00%
MAINT OF STRUCT AND EQUIPMT	9,960.44	7,423.05	237,937.81	113,352.78	-52.36%
MAINT OF LINES - OH	186,271.25	169,707.71	1,231,452.73	1,256,775.82	2.06%
MAINT OF LINES - UG	29,921.18	34,049.51	161,996.70	197,373.62	21.84%
MAINT OF LINE TRANSFORMERS *	30,860.12	411,082.74	85,968.94	1,133,913.78	1218.98%
MAINT OF ST LT & SIG SYSTEM	6.72	23.42	20.76	(63.43)	-405.54%
MAINT OF GARAGE AND STOCKROOM	61,276.46	47,852.34	589,055.13	509,388.52	-13.52%
MAINT OF METERS	648.00	0.00	648.00	531.31	100.00%
MAINT OF GEN PLANT	7,116.21	12,612.02	92,975.06	97,795.97	5.19%
TOTAL MAINTENANCE EXPENSES	326,287.48	682,977.87	2,402,780.13	3,311,793.35	37.83%
DEPRECIATION EXPENSE	261,186.93	(840,317.32)	3,134,386.93	2,240,846.26	-28.51%
PURCHASED POWER FUEL EXPENSE	3,419,956.76	3,623,803.60	50,801,799.52	40,379,788.59	-20.52%
VOLUNTARY PAYMENTS TO TOWNS	122,998.00	133,385.00	1,207,979.00	1,282,631.00	6.18%
TOTAL OPERATING EXPENSES	8,065,658.59	7,008,753.50	92,534,445.23	83,229,056.54	-10.06%

\* YTD total includes GAW soil remediation expenses totalling \$1,096,431.05.

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
6/30/10

SCHEDULE G

OPERATION EXPENSES:	ACTUAL YEAR TO DATE	BUDGET ** YEAR TO DATE	VARIANCE ***	% CHANGE
PURCHASED POWER BASE EXPENSE	27,632,913.08	27,086,973.00	545,940.08	2.02%
OPERATION SUPER AND ENGIN-TRANS	0.00	0.00	0.00	0.00%
OPERATION SUP AND ENGINEERING EXP	421,757.84	394,649.99	27,107.85	6.87%
STATION SUP LABOR AND MISC	78,387.25	62,902.88	15,484.37	24.62%
LINE MISC LABOR AND EXPENSE	665,950.72	600,355.99	65,594.73	10.93%
STATION LABOR AND EXPENSE	448,494.04	462,902.33	(14,408.29)	-3.11%
STREET LIGHTING EXPENSE	53,724.10	64,817.82	(11,093.72)	-17.12%
METER EXPENSE	379,674.41	414,425.49	(34,751.08)	-8.39%
MISC DISTRIBUTION EXPENSE	327,738.05	335,248.19	(7,510.14)	-2.24%
METER READING LABOR & EXPENSE	70,509.50	73,882.35	(3,372.85)	-4.57%
ACCT & COLL LABOR & EXPENSE	1,356,310.25	1,432,041.46	(75,731.21)	-5.29%
UNCOLLECTIBLE ACCOUNTS	186,386.80	150,492.92	35,893.88	23.85%
ENERGY AUDIT EXPENSE	428,123.91	520,017.37	(91,893.46)	-17.67%
ADMIN & GEN SALARIES	756,599.70	785,062.30	(28,462.60)	-3.63%
OFFICE SUPPLIES & EXPENSE	294,662.17	260,946.12	33,716.05	12.92%
OUTSIDE SERVICES	311,904.80	318,482.86	(6,578.06)	-2.07%
PROPERTY INSURANCE	374,635.23	411,857.43	(37,222.20)	-9.04%
INJURIES AND DAMAGES	59,793.83	59,149.30	644.53	1.09%
EMPLOYEES PENSIONS & BENEFITS	1,393,287.84	1,100,427.37	292,860.47	26.61%
MISC GENERAL EXPENSE	150,107.44	173,267.55	(23,160.11)	-13.37%
RENT EXPENSE	191,241.11	189,636.94	1,604.17	0.85%
ENERGY CONSERVATION	431,795.27	445,319.78	(13,524.51)	-3.04%
TOTAL OPERATION EXPENSES	8,381,084.26	8,255,886.44	125,197.82	1.52%
MAINTENANCE EXPENSES:				
MAINT OF TRANSMISSION PLANT	2,724.98	2,862.50	(137.52)	-4.80%
MAINT OF STRUCT AND EQUIPMENT	113,352.78	117,821.69	(4,468.91)	-3.79%
MAINT OF LINES - OH	1,256,775.82	1,072,052.36	184,723.46	17.23%
MAINT OF LINES - UG	197,373.62	150,237.03	47,136.59	31.37%
MAINT OF LINE TRANSFORMERS *	1,133,913.78	185,121.34	948,792.44	512.52%
MAINT OF ST LT & SIG SYSTEM	(63.43)	4,902.87	(4,966.30)	-101.29%
MAINT OF GARAGE AND STOCKROOM	509,388.52	565,776.32	(56,387.80)	-9.97%
MAINT OF METERS	531.31	2,964.31	(2,433.00)	-82.08%
MAINT OF GEN PLANT	97,795.97	104,813.22	(7,017.25)	-6.70%
TOTAL MAINTENANCE EXPENSES	3,311,793.35	2,206,551.64	1,105,241.71	50.09%
DEPRECIATION EXPENSE	2,240,846.26	3,375,634.68	(1,134,788.42)	-33.62%
PURCHASED POWER FUEL EXPENSE	40,379,788.59	41,149,203.68	(769,415.09)	-1.87%
VOLUNTARY PAYMENTS TO TOWNS	1,282,631.00	1,253,746.00	28,885.00	2.30%
TOTAL OPERATING EXPENSES	83,229,056.54	83,327,995.44	(98,938.90)	-0.12%

\*\*\* ( ) = ACTUAL UNDER BUDGET

\*\* REFORECASTED AS OF 12/31/09

\*\* 6 MONTHS ACTUAL / 6 MONTHS BUDGET

\* YTD total includes GAW soil remediation expenses totalling \$1,096,431.05.

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
6/30/10

OPERATION EXPENSES:	RESPONSIBLE SENIOR MANAGER	2010 ANNUAL BUDGET	ACTUAL YEAR TO DATE	REMAINING BUDGET BALANCE	REMAINING BUDGET %
PURCHASED POWER BASE EXPENSE	JP	<u>26,794,251.00</u>	<u>27,632,913.08</u>	<u>(838,662.08)</u>	-3.13%
OPERATION SUPER AND ENGIN-TRANS	KS	0.00	0.00	0.00	0.00%
OPERATION SUP AND ENGINEERING EXP	KS	398,196.00	421,757.84	(23,561.84)	-5.92%
STATION SUP LABOR AND MISC	KS	71,651.00	78,387.25	(6,736.25)	-9.40%
LINE MISC LABOR AND EXPENSE	KS	576,553.00	665,950.72	(89,397.72)	-15.51%
STATION LABOR AND EXPENSE	KS	423,826.00	448,494.04	(24,668.04)	-5.82%
STREET LIGHTING EXPENSE	KS	79,519.00	53,724.10	25,794.90	32.44%
METER EXPENSE	DA	424,973.00	379,674.41	45,298.59	10.66%
MISC DISTRIBUTION EXPENSE	JD	345,498.00	327,738.05	17,759.95	5.14%
METER READING LABOR & EXPENSE	DA	66,772.00	70,509.50	(3,737.50)	-5.60%
ACCT & COLL LABOR & EXPENSE	RF	1,462,217.00	1,356,310.25	105,906.75	7.24%
UNCOLLECTIBLE ACCOUNTS	RF	150,000.00	186,386.80	(36,386.80)	-24.26%
ENERGY AUDIT EXPENSE	JP	1,105,759.00	428,123.91	677,635.09	61.28%
ADMIN & GEN SALARIES	VC	776,201.00	756,599.70	19,601.30	2.53%
OFFICE SUPPLIES & EXPENSE	VC	264,600.00	294,662.17	(30,062.17)	-11.36%
OUTSIDE SERVICES	VC	398,500.00	311,904.80	86,595.20	21.73%
PROPERTY INSURANCE	JD	443,150.00	374,635.23	68,514.77	15.46%
INJURIES AND DAMAGES	JD	60,039.00	59,793.83	245.17	0.41%
EMPLOYEES PENSIONS & BENEFITS	JD	1,093,185.00	1,393,287.84	(300,102.84)	-27.45%
MISC GENERAL EXPENSE	VC	223,038.00	150,107.44	72,930.56	32.70%
RENT EXPENSE	JD	212,000.00	191,241.11	20,758.89	9.79%
ENERGY CONSERVATION	JP	0.00	431,795.27	(431,795.27)	100.00%
TOTAL OPERATION EXPENSES		<u>8,575,677.00</u>	<u>8,381,084.26</u>	<u>194,592.74</u>	2.27%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	KS	3,000.00	2,724.98	275.02	9.17%
MAINT OF STRUCT AND EQUIPMT	KS	158,859.00	113,352.78	45,506.22	28.65%
MAINT OF LINES - OH	KS	1,060,849.00	1,256,775.82	(195,926.82)	-18.47%
MAINT OF LINES - UG	KS	144,228.00	197,373.62	(53,145.62)	-36.85%
MAINT OF LINE TRANSFORMERS *	KS	93,500.00	1,133,913.78	(1,040,413.78)	-1112.74%
MAINT OF ST LT & SIG SYSTEM	JD	9,888.00	(63.43)	9,951.43	100.64%
MAINT OF GARAGE AND STOCKROOM	JD	625,632.00	509,388.52	116,243.48	18.58%
MAINT OF METERS	DA	4,863.00	531.31	4,331.69	89.07%
MAINT OF GEN PLANT	RF	116,100.00	97,795.97	18,304.03	15.77%
TOTAL MAINTENANCE EXPENSES		<u>2,216,919.00</u>	<u>3,311,793.35</u>	<u>(1,094,874.35)</u>	-49.39%
DEPRECIATION EXPENSE	RF	3,390,000.00	2,240,846.26	1,149,153.74	33.90%
PURCHASED POWER FUEL EXPENSE	JP	40,893,477.00	40,379,788.59	513,688.41	1.26%
VOLUNTARY PAYMENTS TO TOWNS	RF	1,254,000.00	1,282,631.00	(28,631.00)	-2.28%
TOTAL OPERATING EXPENSES		<u>83,124,324.00</u>	<u>83,229,056.54</u>	<u>(104,732.54)</u>	-0.13%

\* YTD total includes GAW soil remediation expenses totalling \$1,096,431.05.

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
PROFESSIONAL SERVICES  
6/30/10

PROFESSIONAL SERVICES BY PROJECT

ITEM	DEPARTMENT	ACTUAL	BUDGET	VARIANCE
1 RMLD AND PENSION TRUST AUDIT FEES	ACCOUNTING	29,750.00	29,750.00	0.00
2 PENSION ACTUARIAL EVALUATION	ACCOUNTING	0.00	0.00	0.00
3 IT CONSULTING	ACCOUNTING	0.00	10,000.00	(10,000.00)
4 LEGAL- FERC/ISO ISSUES	ENERGY SERVICE	0.00	24,998.00	(24,998.00)
5 LEGAL- POWER SUPPLY ISSUES	ENERGY SERVICE	66,321.83	53,771.25	12,550.58
6 PROFESSIONAL SERVICES	ENERGY SERVICE	0.00	24,998.00	(24,998.00)
7 NERC COMPLIANCE	E & O	16,435.00	7,945.75	8,489.25
8 ENGINEERING STUDIES	ENGINEERING	876.57	8,376.57	(7,500.00)
9 LEGAL SERVICES- GENERAL	GM	128,535.69	80,648.81	47,886.88
10 LEGAL SERVICES- ARBITRATION	HR	18,055.18	29,830.16	(11,774.98)
11 LEGAL GENERAL	HR	9,858.08	25,371.38	(15,513.30)
12 LEGAL SERVICES- UNION CONTRACT	HR	18,150.40	5,304.94	12,845.46
13 LEGAL GENERAL	BLDG. MAINT.	6,799.21	750.00	6,049.21
14 SURVEY RIGHT OF WAY	BLDG. MAINT.	0.00	2,498.00	(2,498.00)
15 ENVIRONMENTAL	BLDG. MAINT.	0.00	2,498.00	(2,498.00)
16 ENGINEERING SERVICES	BLDG. MAINT.	0.00	4,240.00	(4,240.00)
17 LEGAL	GEN. BENEFIT	3,372.84	5,002.00	(1,629.16)
18 INSURANCE CONSULTING	GEN. BENEFIT	13,750.00	2,500.00	11,250.00
TOTAL		311,904.80	318,482.86	(6,578.06)

PROFESSIONAL SERVICES BY VENDOR

	ACTUAL
CHOATE HALL AND STEWART	44,963.66
PLM ELECTRIC	876.57
UTILITY SERVICE	7,637.50
DUNCAN AND ALLEN	42,007.02
MELANSON HEATH AND COMPANY	42,794.82
KATHLEEN GOOD- ARBITRATOR	300.00
HEALTH RESOURCES	200.00
GARRY WOOTERS- ARBITRATOR	600.00
ROMARKE INSURANCE BRODERAGE	13,750.00
MASSACHUSETTS MUNICIPAL WHOLESALE	666.85
MARK DEAN PLLC- TMLP PROJECT	1,986.43
GJE 4-4 WIRE FROM INTEGRITY ENERGY	(4,958.00)
RUBIN AND RUDMAN	161,079.95
TOTAL	311,904.80

RMLD  
BUDGET VARIANCE REPORT  
FOR PERIOD ENDING JUNE 30, 2010

DIVISION	ACTUAL	BUDGET	VARIANCE	% CHANGE
ENGINEERING AND OPERATIONS	5,031,288	3,822,240	1,209,047	31.63%
ENERGY SERVICES	926,373	1,069,377	(143,004)	-13.37%
GENERAL MANAGER	772,054	774,702	(2,648)	-0.34%
FACILITY	2,967,907	2,778,115	189,792	6.83%
BUSINESS DIVISION	7,720,595	8,906,327	(1,185,732)	-13.31%
SUB-TOTAL	17,418,216	17,350,761	67,455	0.39%
PURCHASED POWER - BASE	27,632,913	27,086,973	545,940	2.02%
PURCHASED POWER - FUEL	40,379,789	41,149,203	(769,414)	-1.87%
TOTAL	85,430,917	85,586,937	(156,020)	-0.18%

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RMLD  
ENGINEERING AND OPERATIONS BUDGET VARIANCE REPORT  
FOR PERIOD ENDING JUNE 30, 2010

	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
E&O MGR 55			
01-55-5920-101 LABOR REG	181,271	182,661	-0.76%
01-55-5920-102 LABOR OT	1,203	1,000	20.32%
01-55-5921-000 OFFICE SUPPLIES	359	619	-42.01%
01-55-5930-103 EE EDUCATION	9,409	8,384	12.22%
01-55-5930-106 VEHICLE	(2,991)	673	-544.40%
01-55-5923-000 OUTSIDE SERVICES	16,435	7,946	106.83%
01-55-5930-105 MISC GENERAL	68	600	-88.68%
SUB-TOTAL	205,754	201,883	1.92%

ENGINEERING 65

01-65-5580-101 LABOR REG	358,315	338,390	5.89%
01-65-5580-102 LABOR OT	42,654	42,293	0.85%
01-65-5580-103 EE EDUCATION	15,440	8,251	87.13%
01-65-5580-105 SUPPLIES	7,747	4,660	66.25%
01-65-5580-106 VEHICLE	(2,399)	1,058	-326.70%
01-65-5921-000 OFFICE SUPPLIES	1,392	1,084	28.45%
01-65-5923-000 OUTSIDE SERVICES	877	8,377	-89.54%
SUB-TOTAL	424,027	404,113	4.93%

LINE 66

01-66-5568-109 MAINT OF TRANS EXP	2,725	2,863	-4.82%
01-66-5581-101 LABOR MISC	495,372	463,289	6.93%
01-66-5581-109 GENERAL EXP	130,223	107,155	21.53%
01-66-5581-103 EE EDUCATION	40,356	29,914	34.91%
01-66-5585-109 STREET LIGHT EXP	19,193	18,598	3.20%
01-66-5585-101 LABOR REG ST LIGHT	22,112	21,226	4.18%
01-66-5585-102 LABOR OT ST LIGHT	3,148	7,808	-59.68%
01-66-5585-106 VEHICLE ST LIGHT	9,271	17,186	-46.05%
01-66-5593-000 MAINT OF LINES	61,842	84,133	-26.50%
01-66-5593-101 LABOR REG MAINT LINE	461,599	360,367	28.09%
01-66-5593-102 LABOR OT MAINT LINE	332,751	265,902	25.14%
01-66-5593-106 VEHICLE MAINT OH LINE	98,584	114,936	-14.23%
01-78-5593-110 TREE TRIMMING	302,001	246,712	22.41%
01-66-5594-109 MAINT UG LINE	188,160	128,397	46.55%
01-66-5594-101 LABOR REG UG LINES	8,339	13,582	-38.60%
01-66-5594-102 LABOR OT UG LINE	557	3,055	-81.76%
01-66-5594-106 VEHICLE UG LINE	(57)	5,203	-101.10%
01-66-5596-109 ST LT & SIG EXP	345	248	39.05%
01-66-5596-101 LABOR REG ST LT/SG	0	3,157	-100.00%
01-66-5596-102 LABOR OT ST LT/SG	0	248	-100.00%
01-66-5596-106 VEHICLE ST LT/SG	(33)	1,251	-102.67%
01-66-5921-000 OFFICE SUPPLIES	109	248	-56.24%
SUB-TOTAL	2,176,594	1,895,478	14.83%

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RMLD  
ENGINEERING AND OPERATIONS BUDGET VARIANCE REPORT  
FOR PERIOD ENDING JUNE 30, 2010

METER READING	80	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
01-80-5902-101	LABOR REG	56,947	61,806	-7.86%
01-80-5902-102	LABOR OT	558	998	-44.04%
01-80-5902-105	SUPPLIES	356	822	-56.69%
01-80-5902-106	VEHICLE	12,648	10,255	23.34%
SUB-TOTAL		70,510	73,881	-4.56%
METER TECHNICIANS	67			
01-67-5586-109	METER TECH EXP	9,377	9,549	-1.80%
01-67-5586-101	LABOR REG	368,823	393,596	-6.29%
01-67-5586-102	LABOR OT	4,756	4,292	10.81%
01-67-5586-103	EE EDUCATION	250	2,000	-87.50%
01-67-5586-106	VEHICLE	(3,532)	4,987	-170.82%
01-67-5921-000	OFFICE SUPPLIES	21	248	-91.68%
SUB-TOTAL		379,695	414,673	-8.43%
STATION	68			
01-68-5581-109	STATION OP	5,173	4,941	4.70%
01-68-5581-101	LABOR REG SUP	73,214	57,961	26.32%
01-68-5582-109	STATION SUPPLIES	(6,885)	980	-802.59%
01-68-5582-101	LABOR REG	331,547	321,365	3.17%
01-68-5582-102	LABOR OT	119,818	130,313	-8.05%
01-68-5582-103	EE EDUCATION	2,725	7,945	-65.70%
01-68-5582-105	SUPPLIES	1,781	1,168	52.45%
01-68-5582-106	VEHICLE	(896)	726	-223.39%
SUB-TOTAL		526,476	525,399	0.21%
01-68-5590-109	SENIOR TECH EXP	11,529	7,645	50.80%
01-68-5590-101	LABOR REG	92,718	89,509	3.59%
01-68-5590-102	LABOR OT	3,935	8,787	-55.22%
01-68-5590-103	EE EDUCATION	2,819	6,907	-59.19%
01-68-5590-105	SUPPLIES	3,605	4,654	-22.53%
01-68-5590-106	VEHICLE	(848)	726	-216.78%
01-68-5595-000	TRANSFORMER MAINT	1,133,914	185,121	512.53%
01-68-5597-109	MAINT METERS	531	1,529	-65.25%
01-68-5597-101	LABOR REG	0	1,187	-100.00%
01-68-5597-102	LABOR OT	0	248	-100.00%
01-68-5921-000	OFFICE SUPPLIES	29	502	-94.23%
SUB-TOTAL		1,248,232	306,815	306.84%
GRAND TOTAL		5,031,288	3,822,240	31.63%



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RMLD  
BUSINESS DIVISION BUDGET VARAINCE REPORT  
FOR PERIOD ENDING JUNE 30, 2010

ACCOUNTING 59	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
01-59-5903-101 LABOR REG	190,032	198,331	-4.18%
01-59-5903-102 LABOR OT	0	200	-100.00%
01-59-5903-103 EE EDUCATION	0	1,000	-100.00%
01-59-5903-105 SUPPLIES	187,669	224,631	-16.45%
01-59-5921-000 OFFICE SUPPLIES	282,493	245,286	15.17%
01-59-5923-000 OUTSIDE SERVICES	29,750	39,750	-25.16%
SUB-TOTAL	689,943	709,198	-2.71%

CUSTOMER SERVICE 62

01-62-5903-101 LABOR REG	505,659	511,920	-1.22%
01-62-5903-102 LABOR OT	0	1,000	-100.00%
01-62-5903-103 EE EDUCATION	2,138	1,500	42.53%
01-62-5903-105 SUPPLIES	10,267	12,972	-20.85%
01-62-5903-106 VEHICLE	(2,991)	673	-544.40%
01-62-5903-109 RES ENERGY AUDITS	1,820	1,680	8.33%
01-62-5904-000 UNCOLLECT ACCOUNTS	186,387	150,493	23.85%
01-62-5921-000 OFFICE SUPPLIES	1,919	1,764	8.81%
SUB-TOTAL	705,199	682,002	3.40%

MIS 61

01-61-5903-101 LABOR REG	435,449	446,071	-2.38%
01-62-5903-102 LABOR OT	530	400	32.45%
01-61-5903-103 EE EDUCATION	4,885	7,689	-36.47%
01-61-5903-105 SUPPLIES	20,853	23,974	-13.02%
01-61-5935-000 MAINT GEN PLANT	97,796	104,813	-6.69%
01-61-5921-000 OFFICE SUPPLIES	5,674	7,550	-24.85%
SUB-TOTAL	565,187	590,497	-4.29%

MISCELLANEOUS DEDUCTIONS 57/77

01-77-5403-000 DEPRECIATION EXP	2,240,846	3,375,635	-33.62%
01-77-5408-000 VOLUNTARY PAYMENTS	1,282,631	1,253,746	2.30%
01-77-5419-000 INTEREST EXP	5,709	16,345	-65.07%
01-77-5426-000 OTHER DEDUCTIONS	2,190,241	2,236,685	-2.08%
01-77-5427-000 INTEREST EXP BONDS	4,446	4,446	-0.01%
01-77-5428-000 AMORT DEBT EXP	1,465	1,465	-0.02%
01-57-5920-101 AC/BUS MGR LABOR REG	34,844	35,023	-0.51%
01-57-5930-109 AC/BUS MGR MISC GEN	85	1,285	-93.42%
SUB-TOTAL	5,760,266	6,924,630	-16.81%

RMLD  
FACILITY DIVISION BUDGER VARIANCE REPORT  
FOR PERIOD ENDING JUNE 30, 2010

	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
GENERAL BENEFITS 53			
01-53-5920-101 LABOR REG	84,144	92,028	-8.57%
01-53-5921-000 OFFICE SUPPLIES	718	490	46.58%
01-53-5930-103 EE EDUCATION	2,421	3,007	-19.48%
01-53-5930-105 SUPPLIES	41	527	-92.18%
01-53-5923-000 OUTSIDE SERVICES	17,123	7,502	128.24%
01-53-5924-000 PROPERTY INSURANCE	374,635	411,857	-9.04%
01-53-5925-000 INJURIES & DAMAGES	59,794	59,149	1.09%
01-53-5926-000 EE PENS & BENEFIT	1,393,288	1,100,427	26.61%
01-53-5930-109 MISC GENERAL	220	1,700	-87.06%
01-53-5931-000 RENT	191,241	189,637	0.85%
SUB-TOTAL	2,123,625	1,866,324	13.79%
TRANSPORTATION 63			
01-63-5933-109 MISC GENERAL	1,325	(91,478)	-101.45%
01-63-5933-101 LABOR REG	60,387	55,059	9.68%
01-63-5933-102 LABOR OT	9,207	6,521	41.18%
01-63-5933-103 EE EDUCATION	75	1,075	-93.02%
01-63-5933-105 SUPPLIES	(136,506)	103,792	-231.52%
LESS ALLOCATION RECLASS	65,513	(74,969)	-187.39%
SUB-TOTAL	0	0	0.00%
BUILDING MAINTENANCE 64			
01-64-5923-000 OUTSIDE SERVICES	6,799	9,986	-31.91%
01-64-5932-101 LABOR REG	138,564	134,271	3.20%
01-64-5932-102 LABOR OT	32,629	34,783	-6.19%
01-64-5932-103 EE EDUCATION	150	1,000	-85.00%
01-64-5932-105 SUPPLIES	338,046	395,723	-14.58%
SUB-TOTAL	516,188	575,763	-10.35%
MATERIALS MANAGEMENT 60			
01-60-5588-109 MISC DIST EXP	44,438	41,905	6.04%
01-60-5588-101 LABOR REG	270,209	277,996	-2.80%
01-60-5588-102 LABOR OT	1,607	2,002	-19.74%
01-60-5588-103 EE EDUCATION	819	1,339	-38.83%
01-60-5588-105 SUPPLIES	10,665	11,487	-7.15%
01-60-5588-104 RFP EXPENSES	0	520	-100.00%
01-60-5921-000 OFFICE SUPPLIES	356	778	-54.29%
SUB-TOTAL	328,094	336,027	-2.36%
GRAND TOTAL	2,967,907	2,778,115	6.83%

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RMLD  
GENERAL MANAGER DIVISION BUDGET VARIANCE REPORT  
FOR PERIOD ENDING JUNE 30, 2010

	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
GENERAL MANAGER 51			
01-51-5920-101 LABOR REG	244,939	247,692	-1.11%
01-51-5921-000 OFFICE SUPPLIES	1,422	1,729	-17.74%
01-51-5923-000 OUTSIDE SERVICES	128,536	80,649	59.38%
01-51-5930-103 EE EDUCATION	2,863	4,661	-38.57%
01-51-5930-105 MISC GENERAL	51,967	53,312	-2.52%
01-51-5930-106 VEHICLE	(2,991)	673	-544.40%
SUB-TOTAL	426,736	388,716	9.78%
HUMAN RESOURCES 52			
01-52-5920-101 LABOR REG	117,212	127,322	-7.94%
01-52-5921-000 OFFICE SUPPLIES	126	168	-25.22%
01-52-5923-000 OUTSIDE SERVICES	46,064	60,506	-23.87%
01-52-5930-103 EE EDUCATION	4,314	1,930	123.51%
01-52-5930-105 SUPPLIES	(1,448)	1,361	-206.41%
01-52-5930-109 MISC GENERAL	12,755	11,881	7.36%
SUB-TOTAL	179,021	203,168	-11.89%
COMMUNITY RELATIONS 54			
01-54-5920-101 LABOR REG	92,654	95,953	-3.44%
01-54-5921-000 OFFICE SUPPLIES	0	250	-100.00%
01-54-5930-109 MISC GENERAL	66,268	67,112	-1.26%
01-54-5930-103 EE EDUCATION	0	2,000	-100.00%
01-54-5930-105 SUPPLIES	32	770	-95.81%
SUB-TOTAL	158,955	166,085	-4.29%
CAB 56			
01-56-5920-101 LABOR REG	333	2,781	-88.03%
01-56-5920-102 LABOR OT	0	600	-100.00%
01-56-5930-109 MISC GENERAL	5,089	8,682	-41.38%
SUB-TOTAL	5,422	12,063	-55.05%
BOARD 58			
01-58-5930-109 MISC GENERAL	1,920	4,670	-58.89%
SUB-TOTAL	1,920	4,670	-58.89%
GRAND TOTAL	772,054	774,702	-0.34%

5:00 PM  
8/31/2010

RMLD  
ENERGY SERVICES DIVISION BUDGET VARIANCE REPORT  
FOR PERIOD ENDING JUNE 30, 2010

ENERGY SERVICES	75	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
01-75-5916-000	ENERGY SERV EXP	(10,840)	22,874	-147.39%
01-75-5916-101	LABOR REG	432,867	444,833	-2.69%
01-75-5916-103	EE EDUCATION	2,231	4,460	-49.99%
01-75-5916-109	KEY ACCOUNT	3,866	2,498	54.77%
01-75-5921-000	OFFICE SUPPLIES	132	273	-51.83%
01-75-5923-000	OUTSIDE SERVICES	66,322	103,767	-36.09%
01-75-5916-402	RES CONSERVE PROG	174,090	191,952	-9.31%
01-75-5916-403	RES CONSERVE OTHER	0	5,499	-100.00%
01-75-5916-502	COMM CONSERVE PROG	208,658	244,180	-14.55%
01-75-5916-503	COMM CONSERVE OTHER	49,048	49,040	0.01%
GRAND TOTAL		<u>926,373</u>	<u>1,069,377</u>	-13.37%

RMLD  
STAFFING REPORT  
FOR FISCAL YEAR ENDING JUNE, 2010

	ACTUAL												
	10 BUD	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
	TOTAL	09	09	09	09	09	09	10	10	10	10	10	10
<u>GENERAL MANAGER</u>													
GENERAL MANAGER	2	2	2	2	2	2	2	2	2	2	2	2	2
HUMAN RESOURCES	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1
COMMUNITY RELATIONS	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1	1	1
TOTAL	5	5	5	5	5	5	5	5	5	5	4	4	4
<u>BUSINESS</u>													
ACCOUNTING	2	2	2	2	2	2	2	2	2	2	2	2	2
CUSTOMER SERVICE	9	9	9	9	9	9	9	9	9	9	9	9	8
MGMT INFORMATION SYS	6	6	6	6	6	6	6	6	6	6	5	5	5
MISCELLANEOUS	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL	18	18	18	18	18	18	18	18	18	18	17	17	16
<u>ENGINEERING &amp; OPERATIONS</u>													
AGM E&O	2	2	2	2	2	2	2	2	2	2	2	2	2
ENGINEERING	5	5	5	5	5	5	5	5	5	5	5	5	5
LINE	20	18	18	19	19	19	19	18	20	20	20	20	19
METER	7	7	7	7	7	7	7	7	6	6	6	6	6
STATION	9	9	9	9	9	9	9	9	9	9	9	9	9
TOTAL	43	41	41	42	42	42	42	41	42	42	42	42	41
<u>PROJECT</u>													
BUILDING	2	2	2	2	2	2	2	2	2	2	2	2	2
GENERAL BENEFITS	2	2	2	2	2	2	2	2	2	2	2	2	2
TRANSPORTATION	0	0	0	0	0	0	0	0	0	0	0	0	0
MATERIALS MGMT	4	4	4	4	4	4	4	4	4	4	4	4	4
TOTAL	8	8	8	8	8	8	8	8	8	8	8	8	8
<u>ENERGY SERVICES</u>													
ENERGY SERVICES	6	6	6	6	6	6	6	6	6	6	6	6	6
TOTAL	6	6	6	6	6	6	6	6	6	6	6	6	6
RMLD TOTAL	80	78	78	79	79	79	79	78	79	79	77	77	75
<u>CONTRACTORS</u>													
UG LINE	2	2	2	2	2	2	2	2	2	2	2	2	2
TOTAL	2	2	2	2	2	2	2	2	2	2	2	2	2
GRAND TOTAL	82	80	80	81	81	81	81	80	81	81	79	79	77

RMLD  
DEFERRED FUEL CASH RESERVE ANALYSIS  
6/30/10

DATE	GROSS CHARGES	REVENUES	PASNY CREDIT	MONTHLY DEFERRED	TOTAL DEFERRED
Jun-09					1,739,394.25
Jul-09	4,071,238.32	3,748,077.09	(3,440.16)	(326,601.39)	1,412,792.86
Aug-09	4,051,360.93	4,269,717.20	(35,903.32)	182,452.95	1,595,245.81
Sep-09	2,973,452.04	4,335,754.22	(31,274.85)	1,331,027.33	2,926,273.14
Oct-09	3,206,685.71	3,559,022.94	(41,650.59)	310,686.64	3,236,959.78
Nov-09	2,990,338.70	3,187,560.34	(68,908.75)	128,312.89	3,365,272.67
Dec-09	3,964,453.98	3,177,509.05	(29,048.13)	(815,993.06)	2,549,279.61
Jan-10	3,704,455.86	4,473,198.05	(22,862.60)	745,879.59	3,295,159.20
Feb-10	3,106,761.88	3,510,280.41	(80,545.44)	322,973.09	3,618,132.29
Mar-10	3,009,718.08	3,138,855.35	(75,632.25)	53,505.02	3,671,637.31
Apr-10	2,618,558.77	3,034,544.66	(62,656.68)	353,329.21	4,024,966.52
May-10	3,058,960.72	2,702,442.95	(29,674.82)	(386,192.59)	3,638,773.93
Jun-10	3,623,803.60	2,409,385.38	(98,243.62)	(1,312,661.84)	2,326,112.09



Dt: October 26, 2010

To: RMLB, Vincent F. Cameron, Jr., Jeanne Foti

Fr: Bob Fournier

*10/26/10*

Sj: Financial Report September 30, 2010

The results for the first three months ending September 30, 2010, for the fiscal year 2011 will be summarized in the following paragraphs.

**1) Change in Net Assets or Net Income: (Page 3A)**

For the month of September, the net income or the positive change in net assets was \$1,331,677, bringing the year to date net income to \$774,518. The year to date budgeted net income was \$672,961, the difference being \$808,161 or 120.1%. Year to date fuel expenses exceeded fuel revenues by \$1,142,584. Year to date energy conservation revenues exceeded energy conservation expenses by \$80,183. Year to date GAW soil remediation expenses totalled \$528,012, bringing the total cost to date for this project to \$1,624,444.

**2) Revenues: (Page 11B)**

Year to date base revenues were over budget by \$1,108,473 or 9.79 %. Actual base revenues were \$12.4 million compared to the budgeted amount of \$11.3 million.

**3) Expenses: (Page 12A)**

\*Year to date purchased power base expense was \$63,179 or .9% over budget. Actual purchased power base costs were \$7.4 million compared to the budgeted amount of \$7.3 million.

\*Year to date operating and maintenance (O&M) expenses combined were under budget by \$267,162 or 8.2%. Actual O&M expenses were \$2.9 million compared to the budgeted amount of \$3.2 million. The major expense that was over budget was maintenance of line transformers (\$82,710).

\*Depreciation expense and voluntary payments to the Towns were on budget.

**4) Cash: (Page 9)**

\*Operating Fund balance was at \$4,876,701.

\*Capital Funds balance was at \$4,887,487.

\*Rate Stabilization Fund balance was at \$5,376,663.

\*Deferred Fuel Fund balance was at \$1,183,528.

\*Energy Conservation balance was at \$389,066.

**5) General Information:**

Year to date kwh sales (Page 5) were 9.1%, or 17.5 million kwh, ahead of last year's figure.

**6) Budget Variance:**

Cumulatively, the five divisions were under budget by \$279,698 or 5.6%.



# **FINANCIAL REPORT**

**SEPTEMBER 30, 2010**

**ISSUE DATE: OCTOBER 26, 2010**

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF NET ASSETS  
9/30/10

		PREVIOUS YEAR	CURRENT YEAR
<b>ASSETS</b>			
<b>CURRENT</b>			
UNRESTRICTED CASH	(SCH A P.9)	4,288,835.90	4,879,701.60
RESTRICTED CASH	(SCH A P.9)	13,756,638.22	15,197,199.73
RESTRICTED INVESTMENTS	(SCH A P.9)	4,400,000.00	2,200,000.00
RECEIVABLES, NET	(SCH B P.10)	9,812,819.85	9,358,167.27
PREPAID EXPENSES	(SCH B P.10)	1,277,484.35	1,577,313.43
INVENTORY		1,496,241.63	1,598,313.60
<b>TOTAL CURRENT ASSETS</b>		<u>35,032,019.95</u>	<u>34,810,695.63</u>
<b>NONCURRENT</b>			
INVESTMENT IN ASSOCIATED CO	(SCH C P.2)	108,967.43	97,690.11
CAPITAL ASSETS, NET	(SCH C P.2)	64,775,402.64	66,888,739.15
OTHER ASSETS	(SCH C P.2)	1,098.57	0.00
<b>TOTAL NONCURRENT ASSETS</b>		<u>64,885,468.64</u>	<u>66,986,429.26</u>
<b>TOTAL ASSETS</b>		<u>99,917,488.59</u>	<u>101,797,124.89</u>
<b>LIABILITIES</b>			
<b>CURRENT</b>			
ACCOUNTS PAYABLE		5,297,030.07	5,425,029.01
CUSTOMER DEPOSITS		493,602.07	500,259.67
CUSTOMER ADVANCES FOR CONSTRUCTION		705,309.36	349,729.00
ACCRUED LIABILITIES		625,312.40	907,691.05
<b>TOTAL CURRENT LIABILITIES</b>		<u>7,121,253.90</u>	<u>7,182,708.73</u>
<b>NONCURRENT</b>			
ACCRUED EMPLOYEE COMPENSATED ABSENCES		2,873,114.33	3,020,032.75
<b>TOTAL NONCURRENT LIABILITIES</b>		<u>2,873,114.33</u>	<u>3,020,032.75</u>
<b>TOTAL LIABILITIES</b>		<u>9,994,368.23</u>	<u>10,202,741.48</u>
<b>NET ASSETS</b>			
INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT		64,775,402.64	66,888,739.15
RESTRICTED FOR DEPRECIATION FUND (P.9)		5,008,575.87	4,887,487.58
UNRESTRICTED		20,139,141.85	19,818,156.68
<b>TOTAL NET ASSETS</b>	(P.3)	<u>89,923,120.36</u>	<u>91,594,383.41</u>
<b>TOTAL LIABILITIES AND NET ASSETS</b>		<u>99,917,488.59</u>	<u>101,797,124.89</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
NONCURRENT ASSET SCHEDULE  
9/30/10

SCHEDULE C

	PREVIOUS YEAR	CURRENT YEAR
SCHEDULE OF INVESTMENTS IN ASSOCIATED COMPANIES		
NEW ENGLAND HYDRO ELECTRIC	41,937.50	36,244.74
NEW ENGLAND HYDRO TRANSMISSION	67,029.93	61,445.37
TOTAL INVESTMENTS IN ASSOCIATED COMPANIES	<u>108,967.43</u>	<u>97,690.11</u>
SCHEDULE OF CAPITAL ASSETS		
LAND	1,265,842.23	1,265,842.23
STRUCTURES AND IMPROVEMENTS	6,997,417.80	6,748,734.96
EQUIPMENT AND FURNISHINGS	11,760,574.52	12,738,853.40
INFRASTRUCTURE	<u>44,751,568.09</u>	<u>46,135,308.56</u>
TOTAL UTILITY PLANT	<u>64,775,402.64</u>	<u>66,888,739.15</u>
SCHEDULE OF OTHER ASSETS		
UNAMORTIZED DEBT EXPENSE	1,098.57	0.00
TOTAL OTHER ASSETS	<u>1,098.57</u>	<u>0.00</u>
TOTAL NONCURRENT ASSETS	<u>64,885,468.64</u>	<u>66,986,429.26</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
9/30/10

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
OPERATING REVENUES: (SCH D P.11)					
BASE REVENUE	3,672,441.83	4,401,254.43	10,805,012.92	12,425,647.55	15.00%
FUEL REVENUE	4,335,754.22	4,007,231.89	12,353,548.51	11,202,572.27	-9.32%
PURCHASED POWER CAPACITY	345,388.37	56,917.20	675,099.29	1,003,982.02	48.72%
FORFEITED DISCOUNTS	75,978.81	82,047.97	205,263.69	279,827.29	36.33%
ENERGY CONSERVATION REVENUE	52,400.16	54,420.78	152,304.76	163,545.87	7.38%
GAW REVENUE	0.00	67,915.44	0.00	67,915.44	100.00%
PASNY CREDIT	(31,274.85)	(52,662.99)	(70,618.33)	(201,094.69)	184.76%
TOTAL OPERATING REVENUES	8,450,688.54	8,617,124.72	24,120,610.84	24,942,395.75	3.41%
OPERATING EXPENSES: (SCH E P.12)					
PURCHASED POWER BASE	2,475,027.86	2,427,569.76	7,421,401.77	7,394,319.87	-0.36%
PURCHASED POWER FUEL	2,973,452.04	3,437,081.39	11,096,051.29	12,144,061.42	9.44%
OPERATING	601,510.22	603,997.60	1,677,027.46	1,943,861.81	15.91%
MAINTENANCE	216,563.67	260,722.75	437,278.02	1,034,870.51	136.66%
DEPRECIATION	280,105.78	287,729.05	840,317.34	863,187.15	2.72%
VOLUNTARY PAYMENTS TO TOWNS	104,500.00	110,000.00	313,500.00	330,000.00	5.26%
TOTAL OPERATING EXPENSES	6,651,159.57	7,127,100.55	21,785,575.88	23,710,300.76	8.83%
OPERATING INCOME	1,799,528.97	1,490,024.17	2,335,034.96	1,232,094.99	-47.23%
NON-OPERATING REVENUES (EXPENSES)					
CONTRIBUTIONS IN AID OF CONST	5,235.78	5,085.86	10,448.71	14,987.06	43.43%
RETURN ON INVESTMENT TO READING	(182,222.50)	(180,990.00)	(546,667.50)	(542,970.00)	-0.68%
INTEREST INCOME	6,243.16	4,119.01	38,652.41	47,596.57	23.14%
INTEREST EXPENSE	(3,514.53)	(1,017.96)	(8,316.94)	(3,054.27)	-63.28%
OTHER (MDSE AND AMORT)	10,509.61	14,455.77	23,842.91	25,864.45	8.48%
TOTAL NONOPERATING REV (EXP)	(163,748.48)	(158,347.32)	(482,040.41)	(457,576.19)	-5.08%
CHANGE IN NET ASSETS	<u>1,635,780.49</u>	<u>1,331,676.85</u>	1,852,994.55	774,518.80	-58.20%
NET ASSETS AT BEGINNING OF YEAR			88,070,125.81	90,819,864.61	3.12%
NET ASSETS AT END OF SEPTEMBER			<u>89,923,120.36</u>	<u>91,594,383.41</u>	1.86%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
9/30/10

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE*	% CHANGE
OPERATING REVENUES: (SCH F P.11B)				
BASE REVENUE	12,425,647.55	11,317,174.00	1,108,473.55	9.79%
FUEL REVENUE	11,202,572.27	11,406,646.00	(204,073.73)	-1.79%
PURCHASED POWER CAPACITY	1,003,982.02	1,531,647.00	(527,664.98)	-34.45%
FORFEITED DISCOUNTS	279,827.29	248,978.00	30,849.29	12.39%
ENERGY CONSERVATION REVENUE	163,545.87	150,739.00	12,806.87	8.50%
GAW REVENUE	774,518.80	30,000.00		
PASNY CREDIT	(201,094.69)	(150,000.00)	(51,094.69)	34.06%
TOTAL OPERATING REVENUES	25,648,999.11	24,535,184.00	369,296.31	4.54%
OPERATING EXPENSES: (SCH G P.12A)				
PURCHASED POWER BASE	7,394,319.87	7,331,140.00	63,179.87	0.86%
PURCHASED POWER FUEL	12,144,061.42	11,775,937.00	368,124.42	3.13%
OPERATING	1,943,861.81	2,200,102.00	(256,240.19)	-11.65%
MAINTENANCE	1,034,870.51	1,045,793.00	(10,922.49)	-1.04%
DEPRECIATION	863,187.15	875,001.00	(11,813.85)	-1.35%
VOLUNTARY PAYMENTS TO TOWNS	330,000.00	330,000.00	0.00	0.00%
TOTAL OPERATING EXPENSES	23,710,300.76	23,557,973.00	152,327.76	0.65%
OPERATING INCOME	1,938,698.35	977,211.00	961,487.35	98.39%
NONOPERATING REVENUES (EXPENSES)				
CONTRIBUTIONS IN AID OF CONST	14,987.06	100,000.00	(85,012.94)	-85.01%
RETURN ON INVESTMENT TO READING	(542,970.00)	(543,750.00)	780.00	-0.14%
INTEREST INCOME	47,596.57	112,500.00	(64,903.43)	-57.69%
INTEREST EXPENSE	(3,054.27)	(3,000.00)	(54.27)	1.81%
OTHER (MDSE AND AMORT)	25,864.45	30,000.00	(4,135.55)	-13.79%
TOTAL NONOPERATING REV (EXP)	(457,576.19)	(304,250.00)	(153,326.19)	50.39%
CHANGE IN NET ASSETS	1,481,122.16	672,961.00	808,161.16	120.09%
NET ASSETS AT BEGINNING OF YEAR	90,819,864.61	88,039,716.12	2,780,148.49	3.16%
NET ASSETS AT END OF SEPTEMBER	92,300,986.77	88,712,677.12	3,588,309.65	4.04%

\* ( ) = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
RECONCILIATION OF CAPITAL FUNDS  
9/30/10

SOURCE OF CAPITAL FUNDS:

DEPRECIATION FUND BALANCE 7/1/10	4,801,693.77
CONSTRUCTION FUND BALANCE 7/1/10	0.00
INTEREST ON DEPRECIATION FUND FY 11	4,400.41
DEPRECIATION TRANSFER FY 11	863,187.15
FORCED ACCOUNTS REIMBURSEMENT	0.00
GAW SUBSTATION FY 11	<u>88,633.00</u>
 TOTAL SOURCE OF CAPITAL FUNDS	 5,757,914.33

USE OF CAPITAL FUNDS:

PAID ADDITIONS TO PLANT THRU SEPTEMBER	781,793.75
PAID ADDITIONS TO GAW THRU SEPTEMBER	<u>88,633.00</u>
TOTAL USE OF CAPITAL FUNDS	870,426.75

GENERAL LEDGER CAPITAL FUNDS BALANCE 9/30/10

4,887,487.58

PAID ADDITIONS TO GAW FROM FY 11	88,633.00
PAID ADDITIONS TO GAW FROM FY 10	1,372,876.00
PAID ADDITIONS TO GAW FROM FY 09	3,136,764.00
PAID ADDITIONS TO GAW FROM FY 08	1,895,975.00
TOTAL	<u><u>6,494,248.00</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SALES OF KILOWATT HOURS  
9/30/10

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	23,692,725	25,067,355	70,626,721	82,803,011	17.24%
COMM. AND INDUSTRIAL SALES	38,854,473	40,227,709	112,328,783	117,498,656	4.60%
PRIVATE STREET LIGHTING	70,628	71,070	212,697	213,302	0.28%
<b>TOTAL PRIVATE CONSUMERS</b>	<u>62,617,826</u>	<u>65,366,134</u>	<u>183,168,201</u>	<u>200,514,969</u>	9.47%
 MUNICIPAL SALES:					
STREET LIGHTING	237,183	238,701	711,549	716,255	0.66%
MUNICIPAL BUILDINGS	895,898	857,818	2,554,615	2,526,632	-1.10%
<b>TOTAL MUNICIPAL CONSUMERS</b>	<u>1,133,081</u>	<u>1,096,519</u>	<u>3,266,164</u>	<u>3,242,887</u>	-0.71%
 SALES FOR RESALE	349,866	366,494	970,585	1,133,176	16.75%
SCHOOL	1,101,901	1,083,347	2,969,480	2,953,375	-0.54%
<b>TOTAL KILOWATT HOURS SOLD</b>	<u>65,202,674</u>	<u>67,912,494</u>	<u>190,374,430</u>	<u>207,844,407</u>	9.18%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
KILOWATT HOURS SOLD BY TOWN  
9/30/10

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	25,067,355	8,490,166	3,242,199	6,050,520	7,284,470
COMM & IND	40,227,709	4,894,911	343,935	6,104,815	28,884,048
PVT ST LIGHTS	71,070	14,019	1,360	20,918	34,773
PUB ST LIGHTS	238,701	80,436	32,437	39,657	86,171
MUNI BLDGS	857,818	207,470	160,285	191,005	299,058
SALES/RESALE	366,494	366,494	0	0	0
SCHOOL	1,083,347	393,128	235,162	133,600	321,457
<b>TOTAL</b>	<b>67,912,494</b>	<b>14,446,624</b>	<b>4,015,378</b>	<b>12,540,515</b>	<b>36,909,977</b>

YEAR TO DATE	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	82,803,011	25,854,825	12,199,843	19,190,120	25,558,223
COMM & IND	117,498,656	14,499,225	973,826	17,899,106	84,126,499
PVT ST LIGHTS	213,302	41,753	4,080	62,654	104,815
PUB ST LIGHTS	716,255	241,308	97,463	118,971	258,513
MUNI BLDGS	2,526,632	614,921	464,673	560,907	886,131
SALES/RESALE	1,133,176	1,133,176	0	0	0
SCHOOL	2,953,375	1,093,142	663,908	374,600	821,725
<b>TOTAL</b>	<b>207,844,407</b>	<b>43,478,350</b>	<b>14,403,793</b>	<b>38,206,358</b>	<b>111,755,906</b>

LAST YEAR TO DATE	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	70,626,721	21,595,561	10,438,657	16,374,729	22,217,774
COMM & IND	112,328,783	13,941,101	919,109	17,495,037	79,973,536
PVT ST LIGHTS	212,697	42,869	4,080	62,331	103,417
PUB ST LIGHTS	711,549	235,893	98,553	119,064	258,039
MUNI BLDGS	2,554,615	626,549	438,878	510,915	978,273
SALES/RESALE	970,585	970,585	0	0	0
SCHOOL	2,969,480	1,158,252	656,673	327,160	827,395
<b>TOTAL</b>	<b>190,374,430</b>	<b>38,570,810</b>	<b>12,555,950</b>	<b>34,889,236</b>	<b>104,358,434</b>

KILOWATT HOURS SOLD TO TOTAL	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
MONTH					
RESIDENTIAL	36.91%	12.50%	4.77%	8.91%	10.73%
COMM & IND	59.24%	7.21%	0.51%	8.99%	42.53%
PVT ST LIGHTS	0.10%	0.02%	0.00%	0.03%	0.05%
PUB ST LIGHTS	0.35%	0.12%	0.05%	0.06%	0.12%
MUNI BLDGS	1.26%	0.31%	0.24%	0.28%	0.43%
SALES/RESALE	0.54%	0.54%	0.00%	0.00%	0.00%
SCHOOL	1.60%	0.58%	0.35%	0.20%	0.47%
<b>TOTAL</b>	<b>100.00%</b>	<b>21.28%</b>	<b>5.92%</b>	<b>18.47%</b>	<b>54.33%</b>

YEAR TO DATE	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	39.84%	12.44%	5.87%	9.23%	12.30%
COMM & IND	56.53%	6.98%	0.47%	8.61%	40.47%
PVT ST LIGHTS	0.10%	0.02%	0.00%	0.03%	0.05%
PUB ST LIGHTS	0.34%	0.12%	0.05%	0.06%	0.11%
MUNI BLDGS	1.22%	0.30%	0.22%	0.27%	0.43%
SALES/RESALE	0.55%	0.55%	0.00%	0.00%	0.00%
SCHOOL	1.42%	0.53%	0.32%	0.18%	0.39%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.94%</b>	<b>6.93%</b>	<b>18.38%</b>	<b>53.75%</b>

LAST YEAR TO DATE	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	37.10%	11.34%	5.48%	8.60%	11.68%
COMM & IND	59.01%	7.32%	0.48%	9.19%	42.02%
PVT ST LIGHTS	0.11%	0.02%	0.00%	0.03%	0.06%
PUB ST LIGHTS	0.37%	0.12%	0.05%	0.06%	0.14%
MUNI BLDGS	1.34%	0.33%	0.23%	0.27%	0.51%
SALES/RESALE	0.51%	0.51%	0.00%	0.00%	0.00%
SCHOOL	1.56%	0.61%	0.34%	0.17%	0.44%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.25%</b>	<b>6.58%</b>	<b>18.32%</b>	<b>54.85%</b>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
FORMULA INCOME  
9/30/10

TOTAL OPERATING REVENUES	(P.3)	24,942,395.75
ADD:		
-POLE-RENTAL		17,914.36
INTEREST INCOME ON CUSTOMER DEPOSITS		444.14
LESS:		
OPERATING EXPENSES	(P.3)	(23,847,200.76)
CUSTOMER DEPOSIT INTEREST EXPENSE		(3,054.27)
FORMULA INCOME (LOSS)		<u>1,110,499.22</u>

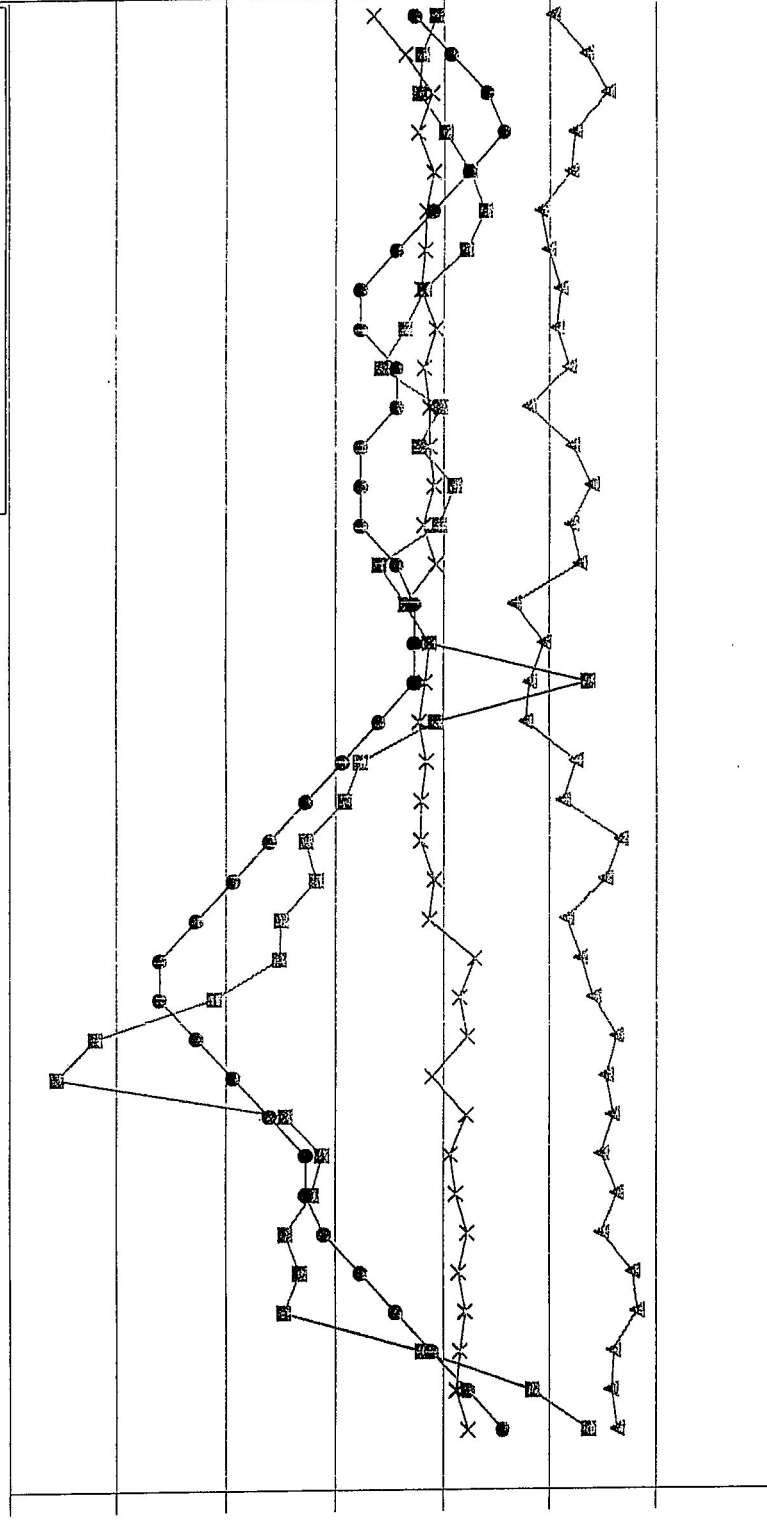
TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
GENERAL STATISTICS  
9/30/10

		MONTH OF SEP 2009	MONTH OF SEP 2010	% CHANGE 2009      2010		YEAR SEP 2009	THRU SEP 2010
SALE OF KWH	(P.5)	65,202,674	67,912,494	-6.63%	9.18%	190,374,430	207,844,407
KWH PURCHASED		55,562,196	61,414,052	-5.07%	9.92%	192,027,268	211,073,048
AVE BASE COST PER KWH		0.044545	0.039528	16.93%	-9.36%	0.038648	0.035032
AVE BASE SALE PER KWH		0.056323	0.064808	9.65%	5.33%	0.056757	0.059783
AVE COST PER KWH		0.098061	0.095494	-21.62%	-4.01%	0.096431	0.092567
AVE SALE PER KWH		0.122820	0.123814	-15.55%	-6.55%	0.121647	0.113682
FUEL CHARGE REVENUE (P.3)		4,335,754.22	4,007,231.89	-34.35%	-9.32%	12,353,548.51	11,202,572.27
LOAD FACTOR		72.85%	52.11%				
PEAK LOAD		104,481	161,453				

# kwh analysis

- base cost
- fuel cost
- fuel revenue
- base revenue

\$0.115  
\$0.100  
\$0.085  
\$0.070  
\$0.055  
\$0.040  
\$0.025  
\$0.010



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF CASH AND INVESTMENTS  
9/30/10

SCHEDULE A

	PREVIOUS YEAR	CURRENT YEAR
UNRESTRICTED CASH		
CASH - OPERATING FUND	4,285,835.90	4,876,701.60
CASH - PETTY CASH	3,000.00	3,000.00
TOTAL UNRESTRICTED CASH	<u>4,288,835.90</u>	<u>4,879,701.60</u>
RESTRICTED CASH		
CASH - DEPRECIATION FUND	5,008,575.87	4,887,487.58
CASH - CONSTRUCTION FUND	516,206.71	0.00
CASH - TOWN PAYMENT	860,175.00	873,750.00
CASH - DEFERRED FUEL RESERVE	2,926,273.14	1,183,528.25
CASH - RATE STABILIZATION FUND	2,357,417.40	4,376,663.29
CASH - UNCOLLECTIBLE ACCTS RESERVE	28,988.15	200,000.00
CASH - SICK LEAVE BENEFITS	1,380,148.16	2,022,668.83
CASH - INSURANCE RESERVE	35,251.72	0.00
CASH - HAZARD WASTE RESERVE	150,000.00	150,000.00
CASH - CUSTOMER DEPOSITS	493,602.07	500,259.67
CASH - ENERGY CONSERVATION	0.00	389,066.29
CASH - OPEB	0.00	613,775.82
TOTAL RESTRICTED CASH	<u>13,756,638.22</u>	<u>15,197,199.73</u>
RESTRICTED INVESTMENTS		
RATE STABILIZATION *	2,900,000.00	1,000,000.00
SICK LEAVE BENEFITS **	1,500,000.00	1,000,000.00
OPEB ***	0.00	200,000.00
TOTAL RESTRICTED INVESTMENTS	<u>4,400,000.00</u>	<u>2,200,000.00</u>
TOTAL CASH BALANCE	<u>22,445,474.12</u>	<u>22,276,901.33</u>

SEP 2009

* FED HOME LOAN MTG CORP	1,400,000.00;	DTD 05/08/08; INT 4.00%; MATURITY 11/15/13
* FED HOME LOAN MTG CORP	1,500,000.00;	DTD 01/23/09; INT 2.00%; MATURITY 01/15/13
** FED HOME LOAN MTG CORP	500,000.00;	DTD 01/23/09; INT 2.00%; MATURITY 01/15/13
** FED HOME LOAN MTG CORP	500,000.00;	DTD 01/25/08; INT 4.25%; MATURITY 01/15/15
** FED NATIONAL MORT ASSN	500,000.00;	DTD 11/13/07; INT 5.25%; MATURITY 11/13/17

SEP 2010

* FREDDIE MAC	1,000,000.00;	DTD 09/10/10; INT 2.00%; MATURITY 09/15/20
** FREDDIE MAC	1,000,000.00;	DTD 09/10/10; INT 2.00%; MATURITY 09/15/20
*** FREDDIE MAC	200,000.00;	DTD 09/10/10; INT 2.00%; MATURITY 09/15/20

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF ACCOUNTS RECEIVABLE  
9/30/10

SCHEDULE B

	PREVIOUS YEAR	CURRENT YEAR
SCHEDULE OF ACCOUNTS RECEIVABLE		
RESIDENTIAL AND COMMERCIAL	5,829,701.14	5,831,505.29
ACCOUNTS RECEIVABLE - OTHER	223,187.95	72,406.59
ACCOUNTS RECEIVABLE - LIENS	98,922.67	54,049.80
ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES	1,067.16	1,067.16
SALES DISCOUNT LIABILITY	(312,778.86)	(416,160.06)
RESERVE FOR UNCOLLECTIBLE ACCOUNTS	<u>(200,224.79)</u>	<u>(239,860.62)</u>
TOTAL ACCOUNTS RECEIVABLE BILLED	5,639,875.27	5,303,008.16
UNBILLED ACCOUNTS RECEIVABLE	4,172,944.58	4,055,159.11
TOTAL ACCOUNTS RECEIVABLE, NET	<u>9,812,819.85</u>	<u>9,358,167.27</u>

SCHEDULE OF PREPAYMENTS		
PREPAID INSURANCE	732,103.82	822,729.04
PREPAYMENT PURCHASED POWER	79,939.99	120,089.08
PREPAYMENT PASNY	324,535.66	247,206.63
PREPAYMENT WATSON	126,381.18	372,764.98
PURCHASED POWER WORKING CAPITAL	14,523.70	14,523.70
TOTAL PREPAYMENT	<u>1,277,484.35</u>	<u>1,577,313.43</u>

ACCOUNTS RECEIVABLE AGING SEPTEMBER 2010:

RESIDENTIAL AND COMMERCIAL	5,831,505.29
LESS: SALES DISCOUNT LIABILITY	(416,160.06)
GENERAL LEDGER BALANCE	<u>5,415,345.23</u>

CURRENT	4,776,862.33	88.21%
30 DAYS	465,131.56	8.59%
60 DAYS	97,470.16	1.80%
90 DAYS	14,214.01	0.26%
OVER 90 DAYS	61,667.17	1.14%
TOTAL	<u>5,415,345.23</u>	<u>100.00%</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE  
9/30/10

SCHEDULE D

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
<b>SALES OF ELECTRICITY:</b>					
RESIDENTIAL SALES	3,194,028.75	3,428,726.31	9,428,580.56	10,308,695.61	9.33%
COMM AND INDUSTRIAL SALES	4,460,485.98	4,632,349.85	12,749,647.95	12,379,350.10	-2.90%
PRIVATE STREET LIGHTING	10,574.80	10,611.85	31,471.77	29,798.51	-5.32%
TOTAL PRIVATE CONSUMERS	<u>7,665,089.53</u>	<u>8,071,688.01</u>	<u>22,209,700.28</u>	<u>22,717,844.22</u>	2.29%
<b>MUNICIPAL SALES:</b>					
STREET LIGHTING	46,979.43	47,053.36	139,880.26	134,214.85	-4.05%
MUNICIPAL BUILDINGS	110,438.24	107,640.89	311,892.57	290,254.74	-6.94%
TOTAL MUNICIPAL CONSUMERS	<u>157,417.67</u>	<u>154,694.25</u>	<u>451,772.83</u>	<u>424,469.59</u>	-6.04%
SALES FOR RESALE	44,990.60	46,881.91	123,636.97	133,677.10	8.12%
SCHOOL	140,698.25	135,222.15	373,451.35	352,228.91	-5.68%
SUB-TOTAL	<u>8,008,196.05</u>	<u>8,408,486.32</u>	<u>23,158,561.43</u>	<u>23,628,219.82</u>	(0.01)
FORFEITED DISCOUNTS	75,978.81	82,047.97	205,263.69	279,827.29	36.33%
PURCHASED POWER CAPACITY	345,388.37	56,917.20	675,099.29	1,003,982.02	48.72%
ENERGY CONSERVATION - RESIDENTIAL	11,850.66	12,545.43	35,329.68	41,425.75	17.25%
ENERGY CONSERVATION - COMMERCIAL	40,549.50	41,875.35	116,975.08	122,120.12	4.40%
GAW REVENUE	0.00	67,915.44	0.00	67,915.44	100.00%
PASNY CREDIT	(31,274.85)	(52,662.99)	(70,618.33)	(201,094.69)	184.76%
TOTAL REVENUE	<u>8,450,688.54</u>	<u>8,617,124.72</u>	<u>24,120,610.84</u>	<u>24,942,395.75</u>	3.41%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE BY TOWN  
9/30/10

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	3,428,726.31	1,162,627.45	442,529.60	826,382.56	997,186.70
INDUS/MUNI BLDG	4,739,990.74	619,773.46	61,686.12	740,750.63	3,317,780.53
PUB.ST.LIGHTS	47,053.36	16,480.91	5,746.77	7,745.95	17,079.73
PRV.ST.LIGHTS	10,611.85	2,029.82	202.52	3,267.53	5,111.98
CO-OP RESALE	46,881.91	46,881.91	0.00	0.00	0.00
SCHOOL	135,222.15	49,226.83	29,084.40	17,138.11	39,772.81
TOTAL	<u>8,408,486.32</u>	<u>1,897,020.38</u>	<u>539,249.41</u>	<u>1,595,284.78</u>	<u>4,376,931.75</u>

THIS YEAR TO DATE

RESIDENTIAL	10,308,695.61	3,240,181.87	1,503,310.67	2,396,834.19	3,168,368.88
INDUS/MUNI BLDG	12,669,604.84	1,670,119.73	161,442.26	1,987,525.48	8,850,517.37
PUB.ST.LIGHTS	134,214.85	47,078.66	16,319.69	22,084.13	48,732.37
PRV.ST.LIGHTS	29,798.51	5,670.60	568.23	9,169.74	14,389.94
CO-OP RESALE	133,677.10	133,677.10	0.00	0.00	0.00
SCHOOL	352,228.91	130,156.34	77,552.77	45,951.92	98,567.88
TOTAL	<u>23,628,219.82</u>	<u>5,226,884.30</u>	<u>1,759,193.60</u>	<u>4,461,565.47</u>	<u>12,180,576.45</u>

LAST YEAR TO DATE

RESIDENTIAL	9,428,580.56	2,890,163.32	1,385,556.37	2,192,775.65	2,960,085.22
INDUS/MUNI BLDG	13,061,540.52	1,727,260.58	164,511.34	2,070,841.14	9,098,927.46
PUB.ST.LIGHTS	139,880.26	48,433.41	17,329.71	23,210.25	50,906.89
PRV.ST.LIGHTS	31,471.77	6,207.22	605.33	9,648.09	15,011.13
CO-OP RESALE	123,636.97	123,636.97	0.00	0.00	0.00
SCHOOL	373,451.35	144,469.44	80,686.89	43,572.68	104,722.34
TOTAL	<u>23,158,561.43</u>	<u>4,940,170.94</u>	<u>1,648,689.64</u>	<u>4,340,047.81</u>	<u>12,229,653.04</u>

PERCENTAGE OF OPERATING INCOME TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	40.78%	13.83%	5.26%	9.83%	11.86%
INDUS/MUNI BLDG	56.37%	7.37%	0.73%	8.81%	39.46%
PUB.ST.LIGHTS	0.56%	0.20%	0.07%	0.09%	0.20%
PRV.ST.LIGHTS	0.12%	0.02%	0.00%	0.04%	0.06%
CO-OP RESALE	0.56%	0.56%	0.00%	0.00%	0.00%
SCHOOL	1.61%	0.59%	0.35%	0.20%	0.47%
TOTAL	<u>100.00%</u>	<u>22.57%</u>	<u>6.41%</u>	<u>18.97%</u>	<u>52.05%</u>

THIS YEAR TO DATE

RESIDENTIAL	43.62%	13.71%	6.36%	10.14%	13.41%
INDUS/MUNI BLDG	53.62%	7.07%	0.68%	8.41%	37.46%
PUB.ST.LIGHTS	0.57%	0.20%	0.07%	0.09%	0.21%
PRV.ST.LIGHTS	0.13%	0.02%	0.00%	0.04%	0.07%
CO-OP RESALE	0.57%	0.57%	0.00%	0.00%	0.00%
SCHOOL	1.49%	0.55%	0.33%	0.19%	0.42%
TOTAL	<u>100.00%</u>	<u>22.12%</u>	<u>7.44%</u>	<u>18.87%</u>	<u>51.57%</u>

LAST YEAR TO DATE

RESIDENTIAL	40.71%	12.48%	5.98%	9.47%	12.78%
INDUS/MUNI BLDG	56.41%	7.46%	0.71%	8.94%	39.30%
PUB.ST.LIGHTS	0.60%	0.21%	0.07%	0.10%	0.22%
PRV.ST.LIGHTS	0.14%	0.03%	0.00%	0.04%	0.07%
CO-OP RESALE	0.53%	0.53%	0.00%	0.00%	0.00%
SCHOOL	1.61%	0.62%	0.35%	0.19%	0.45%
TOTAL	<u>100.00%</u>	<u>21.33%</u>	<u>7.11%</u>	<u>18.74%</u>	<u>52.82%</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED REVENUE VARIANCE REPORT  
9/30/10

SCHEDULE F

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
SALES OF ELECTRICITY:				
RESIDENTIAL	5,855,946.07	5,042,237.00	813,709.07	16.14%
COMM AND INDUSTRIAL SALES PRIVATE STREET LIGHTING MUNICIPAL BUILDINGS	6,208,856.17	5,888,295.00	320,561.17	5.44%
PUBLIC STREET LIGHTING	95,537.80	134,484.00	(38,946.20)	-28.96%
SALES FOR RESALE	72,738.63	71,601.00	1,137.63	1.59%
SCHOOL	<u>192,568.88</u>	<u>180,557.00</u>	<u>12,011.88</u>	6.65%
TOTAL BASE SALES	12,425,647.55	11,317,174.00	1,108,473.55	9.79%
TOTAL FUEL SALES	<u>11,202,572.27</u>	<u>11,406,646.00</u>	<u>(204,073.73)</u>	-1.79%
TOTAL OPERATING REVENUE	23,628,219.82	22,723,820.00	904,399.82	3.98%
FORFEITED DISCOUNTS	279,827.29	248,978.00	30,849.29	12.39%
PURCHASED POWER CAPACITY	1,003,982.02	1,531,647.00	(527,664.98)	-34.45%
ENERGY CONSERVATION - RESIDENTIAL	41,425.75	33,607.00	7,818.75	23.27%
ENERGY CONSERVATION - COMMERCIAL	122,120.12	117,132.00	4,988.12	4.26%
GAW REVENUE	67,915.44	30,000.00	37,915.44	126.38%
PASNY CREDIT	(201,094.69)	(150,000.00)	(51,094.69)	34.06%
TOTAL OPERATING REVENUES	<u><u>24,942,395.75</u></u>	<u><u>24,535,184.00</u></u>	<u><u>407,211.75</u></u>	1.66%

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING EXPENSES  
9/30/10

SCHEDULE E

OPERATION EXPENSES:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
PURCHASED POWER BASE EXPENSE	2,475,027.86	2,427,569.76	7,421,401.77	7,394,319.87	-0.36%
OPERATION SUPER AND ENGIN-TRANS	0.00	0.00	0.00	0.00	0.00%
OPERATION SUP AND ENGINEERING EXP	39,316.66	32,983.02	88,304.22	109,258.51	23.73%
STATION SUP LABOR AND MISC	3,041.18	8,854.66	3,792.34	27,089.18	614.31%
LINE MISC LABOR AND EXPENSE	40,259.95	61,729.52	147,202.51	164,350.72	11.65%
STATION LABOR AND EXPENSE	51,883.41	37,174.79	126,194.80	110,737.93	-12.25%
STREET LIGHTING EXPENSE	4,444.35	7,817.59	9,459.02	15,020.66	58.80%
METER EXPENSE	40,045.93	24,776.80	90,347.54	73,107.44	-19.08%
MISC DISTRIBUTION EXPENSE	29,133.18	27,519.45	76,521.87	80,855.09	5.66%
METER READING LABOR & EXPENSE	5,858.55	5,917.73	22,726.60	22,009.71	-3.15%
ACCT & COLL LABOR & EXPENSE	108,645.76	81,125.71	323,359.74	264,471.25	-18.21%
UNCOLLECTIBLE ACCOUNTS	12,500.00	15,000.00	37,500.00	45,000.00	20.00%
ENERGY AUDIT EXPENSE	46,996.66	25,886.91	112,734.47	100,234.76	-11.09%
ADMIN & GEN SALARIES	71,662.11	50,219.08	186,741.64	163,450.61	-12.47%
OFFICE SUPPLIES & EXPENSE	30,205.39	30,503.34	55,263.89	76,050.49	37.61%
OUTSIDE SERVICES	45,557.27	30,437.82	55,038.22	47,969.70	-12.84%
PROPERTY INSURANCE	34,055.43	30,631.88	96,095.25	92,465.64	-3.78%
INJURIES AND DAMAGES	7,965.14	4,552.67	14,088.43	12,480.70	-11.41%
EMPLOYEES PENSIONS & BENEFITS	(20,088.10)	87,249.11	101,203.32	382,163.37	277.62%
MISC GENERAL EXPENSE	14,438.29	7,680.48	35,634.43	32,201.36	-9.63%
RENT EXPENSE	14,001.46	14,027.39	41,415.37	41,582.65	0.40%
ENERGY CONSERVATION	21,587.60	19,909.65	53,403.80	83,362.04	56.10%
TOTAL OPERATION EXPENSES	601,510.22	603,997.60	1,677,027.46	1,943,861.81	15.91%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	227.08	227.08	681.24	681.24	0.00%
MAINT OF STRUCT AND EQUIPMT	10,906.27	3,648.18	14,228.32	21,871.74	53.72%
MAINT OF LINES - OH	109,869.01	85,341.70	210,658.76	268,279.13	27.35%
MAINT OF LINES - UG	21,228.33	11,213.19	34,975.99	35,919.81	2.70%
MAINT OF LINE TRANSFORMERS **	16,550.27	110,452.49	27,387.21	557,336.83	1935.03%
MAINT OF ST LT & SIG SYSTEM	(19.01)	(48.81)	(87.81)	(145.95)	66.21%
MAINT OF GARAGE AND STOCKROOM	50,749.36	39,880.85	128,670.88	126,724.53	-1.51%
MAINT OF METERS	0.00	0.00	531.31	0.00	-100.00%
MAINT OF GEN PLANT	7,052.36	10,008.07	20,232.12	24,203.18	19.63%
TOTAL MAINTENANCE EXPENSES	216,563.67	260,722.75	437,278.02	1,034,870.51	136.66%
DEPRECIATION EXPENSE	280,105.78	287,729.05	840,317.34	863,187.15	2.72%
PURCHASED POWER FUEL EXPENSE	2,973,452.04	3,437,081.39	11,096,051.29	12,144,061.42	9.44%
VOLUNTARY PAYMENTS TO TOWNS	104,500.00	110,000.00	313,500.00	330,000.00	5.26%
TOTAL OPERATING EXPENSES	6,651,159.57	7,127,100.55	21,785,575.88	23,710,300.76	8.83%

\*\* FY 11 YTD total includes GAW soil remediation expenses totalling \$528,012.64  
Total costs to date for entire project is \$1,624,444.44

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
9/30/10

SCHEDULE G

OPERATION EXPENSES:	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
PURCHASED POWER BASE EXPENSE	7,394,319.87	7,331,140.00	63,179.87	0.86%
OPERATION SUPER AND ENGIN-TRANS	0.00	0.00	0.00	0.00%
OPERATION SUP AND ENGINEERING EXP	109,258.51	108,577.00	681.51	0.63%
STATION SUP LABOR AND MISC	27,089.18	20,930.00	6,159.18	29.43%
LINE MISC LABOR AND EXPENSE	164,350.72	132,040.00	32,310.72	24.47%
STATION LABOR AND EXPENSE	110,737.93	103,960.00	6,777.93	6.52%
STREET LIGHTING EXPENSE	15,020.66	16,905.00	(1,884.34)	-11.15%
METER EXPENSE	73,107.44	118,571.00	(45,463.56)	-38.34%
MISC DISTRIBUTION EXPENSE	80,855.09	85,141.00	(4,285.91)	-5.03%
METER READING LABOR & EXPENSE	22,009.71	16,153.00	5,856.71	36.26%
ACCT & COLL LABOR & EXPENSE	264,471.25	340,116.00	(75,644.75)	-22.24%
UNCOLLECTIBLE ACCOUNTS	45,000.00	45,000.00	0.00	0.00%
ENERGY AUDIT EXPENSE	100,234.76	114,546.00	(14,311.24)	-12.49%
ADMIN & GEN SALARIES	163,450.61	190,528.00	(27,077.39)	-14.21%
OFFICE SUPPLIES & EXPENSE	76,050.49	69,532.00	6,518.49	9.37%
OUTSIDE SERVICES	47,969.70	96,132.00	(48,162.30)	-50.10%
PROPERTY INSURANCE	92,465.64	119,709.00	(27,243.36)	-22.76%
INJURIES AND DAMAGES	12,480.70	16,539.00	(4,058.30)	-24.54%
EMPLOYEES PENSIONS & BENEFITS	382,163.37	335,574.00	46,589.37	13.88%
MISC GENERAL EXPENSE	32,201.36	50,585.00	(18,383.64)	-36.34%
RENT EXPENSE	41,582.65	53,001.00	(11,418.35)	-21.54%
ENERGY CONSERVATION	83,362.04	166,563.00	(83,200.96)	-49.95%
TOTAL OPERATION EXPENSES	1,943,861.81	2,200,102.00	(256,240.19)	-11.65%
MAINTENANCE EXPENSES:				
MAINT OF TRANSMISSION PLANT	681.24	750.00	(68.76)	-9.17%
MAINT OF STRUCT AND EQUIPMENT	21,871.74	47,768.00	(25,896.26)	-54.21%
MAINT OF LINES - OH	268,279.13	292,252.00	(23,972.87)	-8.20%
MAINT OF LINES - UG	35,919.81	47,591.00	(11,671.19)	-24.52%
MAINT OF LINE TRANSFORMERS **	557,336.83	474,626.00	82,710.83	17.43%
MAINT OF ST LT & SIG SYSTEM	(145.95)	2,233.00	(2,378.95)	-106.54%
MAINT OF GARAGE AND STOCKROOM	126,724.53	146,620.00	(19,895.47)	-13.57%
MAINT OF METERS	0.00	953.00	(953.00)	-100.00%
MAINT OF GEN PLANT	24,203.18	33,000.00	(8,796.82)	-26.66%
TOTAL MAINTENANCE EXPENSES	1,034,870.51	1,045,793.00	(10,922.49)	-1.04%
DEPRECIATION EXPENSE	863,187.15	875,001.00	(11,813.85)	-1.35%
PURCHASED POWER FUEL EXPENSE	12,144,061.42	11,775,937.00	368,124.42	3.13%
VOLUNTARY PAYMENTS TO TOWNS	330,000.00	330,000.00	0.00	0.00%
TOTAL OPERATING EXPENSES	23,710,300.76	23,557,973.00	152,327.76	0.65%

\* ( ) = ACTUAL UNDER BUDGET

\*\* FY 11 YTD total includes GAW soil remediation expenses totalling \$528,012.64  
Total costs to date for entire project is \$1,624,444.44

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
9/30/10

OPERATION EXPENSES:	RESPONSIBLE SENIOR MANAGER	2011 ANNUAL BUDGET	ACTUAL YEAR TO DATE	REMAINING BUDGET BALANCE	REMAINING BUDGET %
PURCHASED POWER BASE EXPENSE	JP	27,711,574.00	7,394,319.87	20,317,254.13	73.32%
OPERATION SUPER AND ENGIN-TRANS	KS	0.00	0.00	0.00	0.00%
OPERATION SUP AND ENGINEERING EXP	KS	441,828.00	109,258.51	332,569.49	75.27%
STATION SUP LABOR AND MISC	KS	85,205.00	27,089.18	58,115.82	68.21%
LINE MISC LABOR AND EXPENSE	KS	520,806.00	164,350.72	356,455.28	68.44%
STATION LABOR AND EXPENSE	KS	426,438.00	110,737.93	315,700.07	74.03%
STREET LIGHTING EXPENSE	KS	66,694.00	15,020.66	51,673.34	77.48%
METER EXPENSE	DA	482,771.00	73,107.44	409,663.56	84.86%
MISC DISTRIBUTION EXPENSE	JD	347,115.00	80,855.09	266,259.91	76.71%
METER READING LABOR & EXPENSE	DA	64,358.00	22,009.71	42,348.29	65.80%
ACCT & COLL LABOR & EXPENSE	RF	1,397,984.00	264,471.25	1,133,512.75	81.08%
UNCOLLECTIBLE ACCOUNTS	RF	180,000.00	45,000.00	135,000.00	75.00%
ENERGY AUDIT EXPENSE	JP	494,776.00	100,234.76	394,541.24	79.74%
ADMIN & GEN SALARIES	VC	776,849.00	163,450.61	613,398.39	78.96%
OFFICE SUPPLIES & EXPENSE	VC	278,100.00	76,050.49	202,049.51	72.65%
OUTSIDE SERVICES	VC	293,500.00	47,969.70	245,530.30	83.66%
PROPERTY INSURANCE	JD	478,900.00	92,465.64	386,434.36	80.69%
INJURIES AND DAMAGES	JD	64,805.00	12,480.70	52,324.30	80.74%
EMPLOYEES PENSIONS & BENEFITS	JD	1,188,607.00	382,163.37	806,443.63	67.85%
MISC GENERAL EXPENSE	VC	212,096.00	32,201.36	179,894.64	84.82%
RENT EXPENSE	JD	212,000.00	41,582.65	170,417.35	80.39%
ENERGY CONSERVATION	JP	643,730.00	83,362.04	560,367.96	100.00%
TOTAL OPERATION EXPENSES		8,656,562.00	1,943,861.81	6,712,700.19	77.54%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	KS	3,000.00	681.24	2,318.76	77.29%
MAINT OF STRUCT AND EQUIPMT	KS	187,404.00	21,871.74	165,532.26	88.33%
MAINT OF LINES - OH	KS	1,199,735.00	268,279.13	931,455.87	77.64%
MAINT OF LINES - UG	KS	190,258.00	35,919.81	154,338.19	81.12%
MAINT OF LINE TRANSFORMERS **	KS	693,500.00	557,336.83	136,163.17	19.63%
MAINT OF ST LT & SIG SYSTEM	JD	8,857.00	(145.95)	9,002.95	101.65%
MAINT OF GARAGE AND STOCKROOM	JD	676,532.00	126,724.53	549,807.47	81.27%
MAINT OF METERS	DA	3,875.00	0.00	3,875.00	100.00%
MAINT OF GEN PLANT	RF	132,000.00	24,203.18	107,796.82	81.66%
TOTAL MAINTENANCE EXPENSES		3,095,161.00	1,034,870.51	2,060,290.49	66.56%
DEPRECIATION EXPENSE	RF	3,500,000.00	863,187.15	2,636,812.85	75.34%
PURCHASED POWER FUEL EXPENSE	JP	39,512,664.00	12,144,061.42	27,368,602.58	69.27%
VOLUNTARY PAYMENTS TO TOWNS	RF	1,320,000.00	330,000.00	990,000.00	75.00%
TOTAL OPERATING EXPENSES		83,795,961.00	23,710,300.76	60,085,660.24	71.70%

\*\* FY 11 YTD total includes GAW soil remediation expenses totalling \$528,012.64  
Total costs to date for entire project is \$1,624,444.44

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
PROFESSIONAL SERVICES  
9/30/2010

PROFESSIONAL SERVICES BY PROJECT

ITEM	DEPARTMENT	ACTUAL	BUDGET	VARIANCE
1 RMLD AND PENSION TRUST AUDIT FEES	ACCOUNTING	23,250.00	36,000.00	(12,750.00)
2 PENSION ACTUARIAL EVALUATION	ACCOUNTING	5,000.00	0.00	5,000.00
3 LEGAL- FERC/ISO ISSUES	ENERGY SERVICE	0.00	4,500.00	(4,500.00)
4 LEGAL- POWER SUPPLY ISSUES	ENERGY SERVICE	769.01	12,000.00	(11,230.99)
5 PROFESSIONAL SERVICES	ENERGY SERVICE	0.00	7,500.00	(7,500.00)
6 NERC COMPLIANCE	E & O	1,800.00	1,875.00	(75.00)
7 ENGINEERING STUDIES	ENGINEERING	0.00	3,750.00	(3,750.00)
8 LEGAL SERVICES- GENERAL	GM	17,006.94	12,501.00	4,505.94
9 LEGAL SERVICES- ARBITRATION	HR	0.00	0.00	0.00
10 LEGAL GENERAL	HR	143.75	10,500.00	(10,356.25)
11 LEGAL GENERAL	BLDG. MAINT.	0.00	375.00	(375.00)
12 SURVEY RIGHT OF WAY	BLDG. MAINT.	0.00	1,251.00	(1,251.00)
13 ENVIRONMENTAL	BLDG. MAINT.	0.00	1,251.00	(1,251.00)
14 ENGINEERING SERVICES	BLDG. MAINT.	0.00	2,130.00	(2,130.00)
15 INSURANCE CONSULTANT	GEN. BENEFIT	0.00	2,499.00	(2,499.00)
TOTAL		<u>47,969.70</u>	<u>96,132.00</u>	<u>(48,162.30)</u>

PROFESSIONAL SERVICES BY VENDOR

	ACTUAL
MELANSON HEATH & COMPANY PC	24,817.77
RUBIN AND RUDMAN	10,506.14
DUNCAN AND ALLEN	5,702.04
CHOATE HALL AND STEWART	143.75
UTILITY SERVICES INC.	1,800.00
STONE CONSULTING INC.	5,000.00
TOTAL	<u>47,969.70</u>

RMLD  
BUDGET VARIANCE REPORT  
FOR PERIOD ENDING SEPTEMBER 30, 2010

DIVISION	ACTUAL	BUDGET	VARIANCE	CHANGE
ENGINEERING AND OPERATIONS	1,450,692	1,436,704	13,989	0.97%
ENERGY SERVICES	184,291	305,234	(120,943)	-39.62%
GENERAL MANAGER	146,295	184,092	(37,797)	-20.53%
FACILITY MANAGER	751,628	788,898	(37,270)	-4.72%
BUSINESS DIVISION	<u>2,185,038</u>	<u>2,282,714</u>	<u>(97,676)</u>	-4.28%
 SUB-TOTAL	 4,717,944	 4,997,642	 (279,698)	 -5.60%
 PURCHASED POWER - BASE	 7,394,320	 7,331,140	 63,180	 0.86%
 PURCHASED POWER - FUEL	 12,144,061	 11,775,937	 368,124	 3.13%
 TOTAL	 <u>24,256,325</u>	 <u>24,104,719</u>	 <u>151,606</u>	 0.63%

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10/26/2010

RMLD  
ENGINEERING AND OPERATIONS DIVISION BUDGET VARIANCE REPORT  
FOR PERIOD ENDING SEPTEMBER 30, 2010

				ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
E&O MGR 55	JUL	AUG	SEP			
01-55-5920-101 LABOR REG	15,351	13,955	13,895	43,201	44,095	-2.03%
01-55-5920-102 LABOR OT	0	0	0	0	250	-100.00%
01-55-5921-000 OFFICE SUPPLIES	0	28	0	28	126	-77.75%
01-55-5930-103 EE EDUCATION	0	0	893	893	1,500	-40.43%
01-55-5930-106 VEHICLE	(792)	(165)	(481)	(1,439)	1,174	-222.57%
01-55-5923-000 OUTSIDE SERVICES	0	0	1,800	1,800	1,875	-4.00%
01-55-5930-105 MISC GENERAL	348	165	54	567	126	350.01%
SUB-TOTAL	14,907	13,983	16,161	45,050	49,146	-8.33%
ENGINEERING 65						
01-65-5580-101 LABOR REG	30,945	29,750	27,846	88,541	93,778	-5.58%
01-65-5580-102 LABOR OT	5,241	1,333	5,058	11,633	9,999	16.34%
01-65-5580-103 EE EDUCATION	0	0	0	0	2,500	-100.00%
01-65-5580-105 SUPPLIES	9,599	175	465	10,238	1,125	810.07%
01-65-5580-106 VEHICLE	(635)	(133)	(386)	(1,154)	1,174	-198.29%
01-65-5921-000 OFFICE SUPPLIES	75	6	43	125	249	-49.85%
01-65-5923-000 OUTSIDE SERVICES	0	0	0	0	3,750	-100.00%
SUB-TOTAL	45,225	31,132	33,026	109,383	112,575	-2.83%
J 66						
01-66-5568-109 MAINT OF TRANS EXP	227	227	227	681	750	-9.17%
01-66-5581-101 LABOR MISC	42,650	38,225	46,504	127,380	95,666	33.15%
01-66-5581-109 GENERAL EXP	7,059	12,028	11,074	30,161	24,999	20.65%
01-66-5581-103 EE EDUCATION	2,206	453	4,151	6,810	11,375	-40.13%
01-66-5585-109 STREET LIGHT EXP	700	1,604	2,797	5,101	5,001	2.00%
01-66-5585-101 LABOR REG ST LIGHT	1,557	1,743	2,878	6,179	4,783	29.17%
01-66-5585-102 LABOR OT ST LIGHT	377	65	871	1,313	1,251	4.96%
01-66-5585-106 VEHICLE ST LIGHT	355	801	1,272	2,428	5,869	-58.63%
01-66-5593-109 MAINT OF LINES	7,580	2,592	11,462	21,634	22,251	-2.77%
01-66-5593-101 LABOR REG MAINT LINE	30,857	36,751	4,766	72,373	74,772	-3.21%
01-66-5593-102 LABOR OT MAINT LINE	45,585	21,265	43,161	110,011	65,010	69.22%
01-66-5593-106 VEHICLE MAINT OH LINE	(5,468)	12,938	7,575	15,046	39,908	-62.30%
01-78-5593-110 TREE TRIMMING	13,892	16,945	18,378	49,215	90,311	-45.50%
01-66-5594-109 MAINT UG LINE	18,587	1,374	11,213	31,174	39,999	-22.06%
01-66-5594-101 LABOR REG UG LINES	3,541	279	371	4,191	3,419	22.59%
01-66-5594-102 LABOR OT UG LINE	0	583	0	583	2,499	-76.67%
01-66-5594-106 VEHICLE UG LINE	274	69	(370)	(28)	1,675	-101.65%
01-66-5596-109 ST LT & SIG EXP	0	0	(20)	(20)	63	-131.75%
01-66-5596-101 LABOR REG ST LT/SG	0	0	0	0	1,519	-100.00%
01-66-5596-102 LABOR OT ST LT/SG	0	0	0	0	63	-100.00%
01-66-5596-106 VEHICLE ST LT/SG	(80)	(17)	(29)	(126)	587	-121.46%
01-66-5921-000 OFFICE SUPPLIES	0	0	0	0	63	-100.00%
SUB-TOTAL	169,900	147,925	166,280	484,106	491,833	-1.57%

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RMLD  
ENGINEERING AND OPERATIONS DIVISION BUDGET VARIANCE REPORT  
FOR PERIOD ENDING SEPTEMBER 30, 2010

METER READING	80	JUL	AUG	SEP	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
01-80-5902-101 LABOR REG		8,133	5,003	4,823	17,960	13,843	29.73%
01-80-5902-102 LABOR OT		1,138	0	101	1,239	250	395.58%
01-80-5902-105 SUPPLIES		36	0	12	48	300	-84.00%
01-80-5902-106 VEHICLE		725	1,056	982	2,763	1,761	56.94%
SUB-TOTAL		10,033	6,059	5,918	22,010	16,154	36.25%
METER TECHNICIANS	67						
01-67-5586-109 METER TECH EXP		1,143	1,615	134	2,892	3,249	-10.98%
01-67-5586-101 LABOR REG		21,587	23,846	24,838	70,271	79,701	-11.83%
01-67-5586-102 LABOR OT		647	202	472	1,321	30,849	-95.72%
01-67-5586-103 EE EDUCATION		0	0	0	0	1,250	-100.00%
01-67-5586-106 VEHICLE		(899)	189	(667)	(1,377)	3,521	-139.11%
01-67-5921-000 OFFICE SUPPLIES		0	0	0	0	63	-100.00%
SUB-TOTAL		22,478	25,853	24,777	73,107	118,633	-38.38%
STATION	68						
01-68-5581-109 STATION OP		603	385	385	1,373	1,251	9.76%
01-68-5581-101 LABOR REG SUP		9,402	7,845	8,470	25,716	19,679	30.68%
01-68-5582-109 STATION SUPPLIES		(1,701)	(78)	(197)	(1,977)	1,251	-258.00%
01-68-5582-101 LABOR REG		30,236	27,667	19,214	77,117	70,247	9.78%
01-68-5582-102 LABOR OT		10,152	7,436	17,211	34,799	30,000	16.01%
01-68-5582-103 EE EDUCATION		0	0	602	602	1,875	-67.91%
01-68-5582-105 SUPPLIES		74	64	489	627	0	100.00%
01-68-5582-106 VEHICLE		(237)	(50)	(144)	(431)	587	-173.42%
SUB-TOTAL		48,529	43,269	46,030	137,827	124,890	10.36%
01-68-5590-109 SENIOR TECH EXP		(1,512)	29	0	(1,483)	5,000	-129.66%
01-68-5590-101 LABOR REG		8,364	9,919	3,123	21,406	37,433	-42.82%
01-68-5590-102 LABOR OT		1,290	168	588	2,045	2,499	-18.15%
01-68-5590-103 EE EDUCATION		0	0	0	0	1,251	-100.00%
01-68-5590-105 SUPPLIES		45	208	81	334	999	-66.54%
01-68-5590-106 VEHICLE		(237)	(50)	(144)	(431)	587	-173.42%
01-68-5595-000 TRANSFORMER MAINT		49,473	397,411	110,452	557,337	474,626	17.43%
01-68-5597-109 MAINT METERS		0	0	0	0	249	-100.00%
01-68-5597-101 LABOR REG		0	0	0	0	577	-100.00%
01-68-5597-102 LABOR OT		0	0	0	0	126	-100.00%
01-68-5921-000 OFFICE SUPPLIES		0	0	0	0	126	-100.00%
SUB-TOTAL		57,423	407,685	114,101	579,209	523,473	10.65%
GRAND TOTAL		368,494	675,906	406,292	1,450,692	1,436,704	0.97%

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10/26/2010

RMLD  
BUSINESS DIVISION BUDGET VARIANCE REPORT  
FOR PERIOD ENDING SEPTEMBER 30, 2010

	JUL	AUG	SEP	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
<b>ACCOUNTING 59</b>						
01-59-5903-101 LABOR REG	15,020	13,836	13,628	42,485	47,364	-10.30%
01-59-5903-102 LABOR OT	0	0	0	0	100	-100.00%
01-59-5903-103 EE EDUCATION	0	0	0	0	0	0.00%
01-59-5903-105 SUPPLIES	13,757	2,708	2,165	18,631	70,350	-73.52%
01-59-5921-000 OFFICE SUPPLIES	18,407	26,404	29,549	74,360	63,750	16.64%
01-59-5923-000 OUTSIDE SERVICES	1,250	4,000	23,000	28,250	36,000	-21.53%
<b>SUB-TOTAL</b>	<b>48,434</b>	<b>46,949</b>	<b>68,342</b>	<b>163,725</b>	<b>217,564</b>	<b>-24.75%</b>
<b>CUSTOMER SERVICE 62</b>						
01-62-5903-101 LABOR REG	34,762	31,632	30,130	96,523	111,898	-13.74%
01-62-5903-102 LABOR OT	41	0	0	41	1,000	-95.89%
01-62-5903-103 EE EDUCATION	4,437	152	188	4,778	750	537.05%
01-62-5903-105 SUPPLIES	0	0	0	0	3,750	-100.00%
01-62-5903-106 VEHICLE	(792)	(165)	(481)	(1,439)	1,174	-222.57%
01-62-5904-000 UNCOLLECT ACCOUNTS	15,000	15,000	15,000	45,000	45,000	0.00%
01-62-5921-000 OFFICE SUPPLIES	0	0	0	0	600	-100.00%
<b>SUB-TOTAL</b>	<b>53,448</b>	<b>46,618</b>	<b>44,837</b>	<b>144,904</b>	<b>164,171</b>	<b>-11.74%</b>
<b>MI. 1</b>						
01-61-5903-101 LABOR REG	33,295	31,965	33,442	98,702	95,029	3.86%
01-62-5903-102 LABOR OT	0	0	0	0	200	-100.00%
01-61-5903-103 EE EDUCATION	0	0	495	495	2,500	-80.20%
01-61-5903-105 SUPPLIES	995	1,703	1,557	4,256	6,000	-29.07%
01-61-5935-000 MAINT GEN PLANT	6,901	7,294	10,008	24,203	33,000	-26.66%
01-61-5921-000 OFFICE SUPPLIES	619	0	680	1,299	3,000	-56.70%
<b>SUB-TOTAL</b>	<b>41,810</b>	<b>40,962</b>	<b>46,183</b>	<b>128,955</b>	<b>139,729</b>	<b>-7.71%</b>
<b>MISCELLANEOUS DEDUCTIONS 57/77</b>						
01-77-5403-000 DEPRECIATION EXP	287,729	287,729	287,729	863,187	875,001	-1.35%
01-77-5408-000 VOLUNTARY PAYMENTS	110,000	110,000	110,000	330,000	330,000	0.00%
01-77-5419-000 INTEREST EXP	1,017	1,019	1,018	3,054	3,000	1.81%
01-77-5426-000 OTHER DEDUCTIONS	180,990	180,990	180,990	542,970	543,750	-0.14%
01-57-5920-101 AC/BUS MGR LABOR REG	2,718	2,738	2,738	8,193	8,898	-7.92%
01-57-5930-109 AC/BUS MGR MISC GEN	0	0	50	50	600	-91.67%
<b>SUB-TOTAL</b>	<b>582,454</b>	<b>582,476</b>	<b>582,525</b>	<b>1,747,455</b>	<b>1,761,249</b>	<b>-0.78%</b>
<b>GRAND TOTAL</b>	<b>726,145</b>	<b>717,005</b>	<b>741,888</b>	<b>2,185,038</b>	<b>2,282,714</b>	<b>-4.28%</b>



11:33 AM  
10/26/2010

RMLD  
FACILITY MANAGER DIVISION BUDGET VARIANCE REPORT  
FOR PERIOD ENDING SEPTEMBER 30, 2010

					ACTUAL	BUDGET	ACT/BUD
					YTD	YTD	VARIANCE
GENERAL BENEFITS 53		JUL	AUG	SEP	TOTAL	TOTAL	%
01-53-5920-101	LABOR REG	7,713	4,547	2,963	15,224	21,928	-30.57%
01-53-5921-000	OFFICE SUPPLIES	0	0	42	42	255	-83.49%
01-53-5930-103	EE EDUCATION	0	0	0	0	1,251	-100.00%
01-53-5930-105	SUPPLIES	0	0	0	0	249	-100.00%
01-53-5923-000	OUTSIDE SERVICES	0	0	0	0	2,499	-100.00%
01-53-5924-000	PROPERTY INSURANCE	30,632	31,202	30,632	92,466	119,709	-22.76%
01-53-5925-000	INJURIES & DAMAGES	4,380	3,548	4,553	12,481	16,539	-24.54%
01-53-5926-000	EE PENS & BENEFIT	195,092	99,822	87,249	382,163	335,574	13.88%
01-53-5930-109	MISC GENERAL	0	0	15	15	750	-98.00%
01-53-5931-000	RENT	13,446	14,110	14,027	41,583	53,001	-21.54%
SUB-TOTAL		251,263	153,229	139,482	543,973	551,755	-1.41%
TRANSPORTATION 63							
01-63-5933-109	MISC GENERAL	(50)	(40)	(80)	(170)	(56,280)	-99.70%
01-63-5933-101	LABOR REG	6,712	5,261	7,751	19,725	14,236	38.56%
01-63-5933-102	LABOR OT	669	482	268	1,419	1,950	-27.23%
01-63-5933-103	EE EDUCATION	0	0	0	0	500	-100.00%
01-63-5933-105	SUPPLIES	(45,602)	(13,689)	(31,184)	(90,475)	98,283	-192.06%
	LESS ALLOCATION RECLASS	38,271	7,986	23,244	69,501	(58,689)	-218.42%
SUB-TOTAL		0	0	(0)	0	0	0.00%
BUILDING MAINTENANCE 64							
01-64-5923-000	OUTSIDE SERVICES	0	75	0	75	5,007	-98.51%
01-64-5932-101	LABOR REG	9,459	11,960	10,407	31,825	29,657	7.31%
01-64-5932-102	LABOR OT	1,310	1,745	2,565	5,620	3,000	87.33%
01-64-5932-103	EE EDUCATION	0	0	0	0	500	-100.00%
01-64-5932-105	SUPPLIES	14,643	47,727	26,909	89,279	113,462	-21.31%
SUB-TOTAL		25,413	61,506	39,881	126,799	151,626	-16.37%
MATERIALS MANAGEMENT 60							
01-60-5588-109	MISC DIST EXP	1,662	3,648	4,375	9,685	11,250	-13.91%
01-60-5588-101	LABOR REG	22,053	20,048	20,028	62,129	68,378	-9.14%
01-60-5588-102	LABOR OT	0	0	0	0	999	-100.00%
01-60-5588-103	EE EDUCATION	0	0	75	75	525	-85.71%
01-60-5588-105	SUPPLIES	937	4,988	3,042	8,967	3,750	139.11%
01-60-5588-104	RFP EXPENSES	0	0	0	0	240	-100.00%
01-60-5921-000	OFFICE SUPPLIES	0	0	0	0	375	-100.00%
SUB-TOTAL		24,652	28,684	27,519	80,855	85,517	-5.45%
GRAND TOTAL		301,328	243,418	206,881	751,628	788,898	-4.72%

9:07 AM  
10/26/2010

RMLD  
GENERAL MANAGER DIVISION BUDGET VARIANCE REPORT  
FOR PERIOD ENDING SEPTEMBER 30, 2010

	JUL	AUG	SEP	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
GENERAL MANAGER 51						
01-51-5920-101 LABOR REG	20,099	18,546	18,546	57,190	60,273	-5.11%
01-51-5921-000 OFFICE SUPPLIES	8		189	197	624	-68.49%
01-51-5923-000 OUTSIDE SERVICES	1,568	10,010	5,429	17,007	12,501	36.04%
01-51-5930-103 EE EDUCATION	475	1,061	0	1,536	2,125	-27.73%
01-51-5930-105 MISC GENERAL	4,241	4,133	5,034	13,407	13,749	-2.49%
01-51-5930-106 VEHICLE	(792)	(165)	(481)	(1,439)	1,174	-222.57%
SUB-TOTAL	25,598	33,584	28,716	87,898	90,446	-2.82%
HUMAN RESOURCES 52						
01-52-5920-101 LABOR REG	8,562	7,750	7,630	23,943	30,649	-21.88%
01-52-5921-000 OFFICE SUPPLIES	0	0	0	0	50	-100.00%
01-52-5923-000 OUTSIDE SERVICES	0	144	0	144	10,500	-98.63%
01-52-5930-103 EE EDUCATION	0	0	0	0	1,600	-100.00%
01-52-5930-105 SUPPLIES	0	545	0	545	150	263.33%
01-52-5930-109 MISC GENERAL	300	185	82	567	3,696	-84.66%
SUB-TOTAL	8,862	8,624	7,712	25,198	46,645	-45.98%
COMMUNITY RELATIONS 54						
01-54-5920-101 LABOR REG	5,894	5,358	4,387	15,639	22,875	-31.63%
01-54-5921-000 OFFICE SUPPLIES	0	0	0	0	125	-100.00%
01-54-5930-109 MISC GENERAL	284	7,785	1,998	10,066	17,767	-43.34%
01-54-5930-103 EE EDUCATION	150	0	0	150	0	100.00%
01-54-5930-105 SUPPLIES	0	0	517	517	125	313.68%
SUB-TOTAL	6,328	13,143	6,901	26,372	40,892	-35.51%
CAB 56						
01-56-5920-101 LABOR REG	0	0	61	61	1,259	-95.19%
01-56-5920-102 LABOR OT	0	0	0	0	300	-100.00%
01-56-5930-109 MISC GENERAL	1,100	2,001	0	3,101	2,175	42.57%
SUB-TOTAL	1,100	2,001	61	3,161	3,734	-15.34%
BOARD 58						
01-58-5930-109 MISC GENERAL	1,650	2,014	0	3,664	2,375	54.29%
SUB-TOTAL	1,650	2,014	0	3,664	2,375	54.29%
GRAND TOTAL	43,538	59,366	43,390	146,295	184,092	-20.53%

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10/26/2010

RMLD  
ENERGY SERVICES DIVISION BUDGET VARIANCE REPORT  
FOR PERIOD ENDING SEPTEMBER 30, 2010

ENERGY SERVICES 75	JUL	AUG	SEP	ACTUAL YTD TOTAL	BUDGET YTD TOTAL	ACT/BUD VARIANCE %
01-75-5916-000 ENERGY SERV EXP	325	1,825	3,325	5,475	6,000	-8.75%
01-75-5916-101 LABOR REG	35,749	30,521	26,035	92,305	106,795	-13.57%
01-75-5916-103 EE EDUCATION	894	1,495	27	2,416	1,250	93.31%
01-75-5916-109 KEY ACCOUNT	3,538	0	(3,500)	38	501	-92.42%
01-75-5921-000 OFFICE SUPPLIES	0	0	0	0	126	-100.00%
01-75-5923-000 OUTSIDE SERVICES	0	485	209	694	24,000	-97.11%
01-75-5916-402 RES CONSERVE PROG	11,667	10,534	19,054	41,254	49,408	-16.50%
01-75-5916-403 RES CONSERVE OTHER	0	0	0	0	5,251	-100.00%
01-75-5916-502 COMM CONSERVE PROG	27,912	5,800	(2,914)	30,798	99,651	-69.09%
01-75-5916-503 COMM CONSERVE OTHER	3,770	3,770	3,770	11,310	12,252	-7.69%
GRAND TOTAL	83,855	54,430	46,005	184,291	305,234	-39.62%

RMLD  
DEFERRED FUEL CASH RESERVE ANALYSIS  
9/30/10

DATE	GROSS CHARGES	REVENUES	PASNY CREDIT	MONTHLY DEFERRED	TOTAL DEFERRED
Jun-10					2,326,112.09
Jul-10	4,555,108.56	3,536,618.90	(98,501.74)	(1,116,991.40)	1,209,120.69
Aug-10	4,151,871.47	3,658,721.48	(49,929.96)	(543,079.95)	666,040.74
Sep-10	3,437,081.39	4,007,231.89	(52,662.99)	517,487.51	1,183,528.25

RMLD  
STAFFING REPORT  
FOR FISCAL YEAR ENDING JUNE, 2011

	11 BUD	ACTUAL		
	TOTAL	JUL	AUG	SEP
		10	10	10
<u>GENERAL MANAGER</u>				
GENERAL MANAGER	2	2	2	2
HUMAN RESOURCES	1.5	1	1	1
COMMUNITY RELATIONS	1.5	1	1	1
TOTAL	<u>5</u>	<u>4</u>	<u>4</u>	<u>4</u>
<u>BUSINESS</u>				
ACCOUNTING	2	2	2	2
CUSTOMER SERVICE	9	8	8	8
MGMT INFORMATION SYS	6	6	6	6
MISCELLANEOUS	1	1	1	1
TOTAL	<u>18</u>	<u>17</u>	<u>17</u>	<u>17</u>
<u>ENGINEERING &amp; OPERATIONS</u>				
AGM E&O	2	2	2	2
ENGINEERING	5	5	5	5
LINE	20	19	19	19
METER	6	6	6	6
STATION	9	9	9	9
TOTAL	<u>42</u>	<u>41</u>	<u>41</u>	<u>41</u>
<u>PROJECT</u>				
BUILDING	2	2	2	2
GENERAL BENEFITS	2	2	2	2
TRANSPORTATION	0	0	0	0
MATERIALS MGMT	4	4	4	4
TOTAL	<u>8</u>	<u>8</u>	<u>8</u>	<u>8</u>
<u>ENERGY SERVICES</u>				
ENERGY SERVICES	6	6	5	5
TOTAL	<u>6</u>	<u>6</u>	<u>5</u>	<u>5</u>
RMLD TOTAL	<u>79</u>	<u>76</u>	<u>75</u>	<u>75</u>
<u>CONTRACTORS</u>				
UG LINE	2	2	2	2
TOTAL	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>
GRAND TOTAL	<u>81</u>	<u>78</u>	<u>77</u>	<u>77</u>

**ITEM 11.**

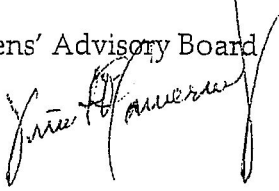
**Addendum to FY11 Cost of Service Study**

## READING MUNICIPAL LIGHT DEPARTMENT

To: RMLD Board, Citizens' Advisory Board

Date: December 1, 2010

From: Vinnie Cameron



Subject: Addendum to FY11 Cost of Service Study

The Reading Municipal Light Department (RMLD) has revised its Residential and Industrial Time of Use rates, which were filed in August of this year. The proposed changes to these rates reflect a wider difference between the On-Peak and Off-Peak rates and decreasing the amount of On-Peak hours. The RMLD has developed an Addendum to the FY11 Cost of Service Study, which describes the proposed changes to both rates.

The result of these proposed changes shows that based on the average customer use in the Residential and Industrial Time of Use rates, these customers should see a slight decrease in their monthly bills. The estimated effect of the new rates to the total forecast revenue is a decrease of \$100,690 or .22%.

The attached addendum is being presented to the RMLD's Power and Rate Committee on December 7, 2010 and the Citizens' Advisory Board on December 8, 2010.

c: Jane Parenteau  
Bill Seldon  
Joe Bilicki  
Jared Carpenter

## **Addendum to the FY2011 Cost of Service Study**

The Reading Municipal Light Department (RMLD) filed a rate change with the Massachusetts Department of Public Utilities (MDPU) on August 1, 2010. The rate change was based on a Cost of Service Study (COSS), developed by the RMLD and approved by the RMLD Board of Commissioners on July 28, 2010. All RMLD electric rates were filed with the MDPU at this time. The Residential A-Rate, Residential A-Water Heating Rate and the Commercial C-Rate all experienced base rate increases. In addition, the Purchased Power Adjustment (PPA) was readjusted and the increased Base Purchased Power costs from FY08 through FY10 were rolled into the Base Energy rates of all the customer classes.

When the RMLD filed its rate increase the RMLD told the RMLD Board of Commissioners that the Time of Use Rates and the Street Lighting Rates were going to be further studied and filed with changes (after the ninety day limit for re-filing rates). The following is a discussion of the proposed adjustments to the Residential Time of Use (RTOU) rate and Industrial Time of Use (ITOU) rate. The Street Light Rate analysis is presently ongoing.

### **On-Peak /Off-Peak Period**

Both the RTOU and the ITOU rates have On-Peak and Off-Peak periods that delineate what constitutes On-Peak and Off-Peak energy usage. The existing rates have an On-Peak period of 10 am to 8 pm weekdays excluding holidays. The Off-Peak hours are all other hours. The RMLD has examined its monthly peak demands over the last two years and has found the monthly peak demands have occurred between 12 pm and 8 pm. The existing On-Peak and Off-Peak period were based on the RMLD's analysis performed in 1993, when the Time of Use rates were developed for the RMLD's rate structure.

The RMLD is recommending that the On-Peak hours be changed to 12 pm to 8 pm. The RMLD has examined the 2009 monthly peak days for two feeders, 3W7 and 3W14, which are largely residential feeders. The hourly readings for the day of each monthly peak day were totaled by hour. The RMLD then compared the difference in kWh use on the feeder data by changing the On-Peak period from 10 am to 8 pm. The difference resulted in a 15.53% decrease in the On-Peak kWh.

The reduction in On-Peak hours is also proposed for the ITOU rate. The RMLD examined the hourly demand data of five of the largest ITOU customers and that decreasing the On-Peak period to 12 pm to 8 pm would result in a reduction of On-Peak energy of approximately 15 %.

Later in this addendum the change in the RTOU and ITOU On-Peak/Off-Peak periods will be analyzed to determine the impact on the RMLD's revenue requirement.



### On-Peak/Off-Peak Differential

The RMLD has determined that the differential between the On-Peak and Off-Peak TOU rates need to be expanded so that is more reflective of energy pricing that occurs in the New England Power Pool (NEPOOL).

In order to determine the expanded differential between the On-Peak and Off-Peak hours the RMLD analyzed the calendar year 2009 Hourly Locational Marginal Prices (LMP) in NEPOOL to determine the difference between the On-Peak and Off-Peak rates for the RTOU and ITOU rates. The RMLD examined the 200 highest priced hours in NEPOOL during the calendar year 2009 to determine the On-Peak pricing. The 200 hour period was used because peaking generating units are expected to run an average of 200 hours a year to shave peak load. The average LMP of the 200 highest price hours for the calendar year 2009 was \$116.46/MWh. The average price for the remainder of the hours for 2009 was \$40.05/MWh. The differential is 2.91 or the average 200 highest LMPs in 2009 is almost three times higher than the average price for the remainder of the year. To expand the difference between the On-Peak and Off-Peak rates the RMLD increased the On-Peak rates in the RTOU and ITOU rates by a factor of 1.5 and decreased the Off-Peak RTOU and ITOU rates by a factor of .7. The adjustments resulted in the differential in the On-Peak and Off-Peak rates in the RTOU of 2.88 and the ITOU and 2.86, which are similar to the On-Peak/Off-Peak prices as determined above. The adjustments to these rates will more effectively reflect the differential seen in the NEPOOL On-Peak/Off-Peak pricing.

### Residential Time of Use Rates

The Residential Time of Use (RTOU) rate has been part of the RMLD's rate structure since the early 1990s and is made up of an On-Peak Rate (higher kWh cost) and an Off-Peak Rate (lower kWh cost), in addition to other charges common to other residential rates. The purpose behind the RTOU is to give customers financial encouragement to decrease On-Peak energy usage or move electricity usage from the On-Peak period to the Off-Peak period.

Table 1 shows an analysis of the Residential A-Rate as compared to the RTOU rate. The first block in Table 1 shows the average monthly cost of the Residential A-Rate at a monthly usage of 815 kWh, a Customer Charge of \$3.47/month, a Base Energy Charge of \$.08365/kWh, an Energy Conservation Charge of \$.0005/kWh, the HazMat charge of \$.001/kWh, Purchased Power Adjustment (PPA) of \$.00073, a PASNY Credit of \$.00095/kWh, the prompt payment discount of 10%, and a Fuel Cost of \$.059/kWh. The resulting cost is \$113.43 or a unit cost of \$.1392/kWh.

The next block shows the same average monthly residential usage (815 kWh) applied to the existing RTOU rate at a 50% On-Peak and 50% Off-Peak energy usage split. The resulting average monthly cost is \$106.72 or a unit cost of \$.1309/kWh. Presently, the

Table 1

## Comparison of the Residential A Rate and the Residential Time of Use Rate

815 kWh Monthly Usage

	Existing	Residential A Rate
Monthly Average kWh	815	
Customer Charge	\$3.47	\$3.47
Base Energy Rate	815	\$68.17
Base Energy On-Peak Rate		
Base Energy Off-Peak Rate		
Conservation Charge	815	\$0.000500
HazMat Charge	815	\$0.001000
Purchased Power Adjustment	815	\$0.000730
Fuel Charge	815	\$0.059000
PASNY Credit	815	-\$0.000950
Discount	-10%	(\$7.35)
Total		\$113.43
Unit Cost		\$0.1392

	Existing	Residential TOU Rate
		815
	\$5.51	\$5.51
408	\$0.08260	\$33.66
408	\$0.06140	\$25.02
815	\$0.00050	\$0.41
815	\$0.00100	\$0.82
815	\$0.00073	\$0.59
815	\$0.05900	\$48.09
815	-\$0.00095	-\$0.77
	-10%	(\$6.60)
		\$106.72
	-\$6.71	
	-6.29%	
		\$0.1309

	Proposed	Residential TOU Rate
		815
	\$5.51	\$5.51
408	\$0.12390	\$50.49
408	\$0.04298	\$17.51
815	\$0.00050	\$0.41
815	\$0.00100	\$0.82
815	\$0.00073	\$0.59
815	\$0.05900	\$48.09
815	-\$0.00095	-\$0.77
	-10%	(\$7.53)
		\$115.11
	\$1.68	
	1.46%	
		\$0.1412

difference between the Residential A Rate and the RTOU rate is approximately \$6.71 or 6.29%.

As mentioned above, the existing difference between the On-Peak and Off-Peak rate needs to be increased to create more of an incentive for moving kWh from the On-Peak period to the Off-Peak period.

The third block on Table 1 shows the proposed RTOU rate. The On-Peak rate is \$.1239/kWh, which represents the existing On-Peak of \$.0826/kWh being increased by a factor of 1.5. The proposed Off-Peak rate is .04298/kWh, which represents applying a factor of .7 to the existing Off-Peak rate of \$.0614/kWh.

The resulting cost for a RTOU rate customer using 815 kWh per month at a 50%/50% split is \$115.11, which \$1.68 or 1.46% more than the equivalent billing for a customer on the Residential A-Rate. The RMLD has used the 50% On-Peak and 50% Off-Peak split as the point of indifference between whether a customer is billed on the Residential A-Rate or the RTOU rate.

Table 2 shows the monthly cost an average customer would pay on the RTOU Rate and the savings at multiple On-Peak/Off-Peak splits. At a 40%/60% split the energy usage split will pay \$109.17/month, which is \$4.25 or 3.90% lower than the Residential A-Rate. As the On-Peak usage decreases costs becomes lower and the savings increase.

Table 2  
Average Residential A Rate Customer  
Billed under the RTOU Rate

<u>Monthly kWh</u>	<u>On-Peak</u>	<u>Off-Peak</u>	<u>Cost</u>	<u>Savings</u>	<u>Percent</u>
815	50%	50%	\$115.11	(\$1.68)	(1.46%)
815	40%	60%	\$109.17	\$4.25	3.90%
815	35%	65%	\$106.21	\$7.22	6.80%
815	30%	70%	\$103.24	\$10.19	9.87%
815	25%	75%	\$100.27	\$13.16	13.12%

Table 3 shows a similar analysis as in Table 1; however the average monthly energy usage is 1,151 kWh, which is the average for a customer on the RTOU rate and is used in the FY11 Cost of Service Study. The first block shows that this customer will pay \$158.90 under the Residential A-Rate. The second block shows that the average residential customer on the RTOU rate would pay \$148.67 under the existing RTOU Rate, which is \$10.23 or 6.88% less than the Residential A-Rate. The third block shows that the same customer on the proposed RTOU rate will pay \$160.52 at a 50%/50% split, which \$1.62 or 1.01% more than the equivalent billing on the Residential A-Rate.

## Comparison of the Residential A Rate and the Residential Time of Use Rate

1,151 kWh Monthly Usage			
Existing	Residential A Rate	Existing	Residential TOU Rate
1,151		1,151	
\$3.47	\$3.47	\$5.51	\$5.51
1,151	\$96.28		
		576	\$0.12390
		576	\$0.04298
		1,151	\$0.00050
		1,151	\$0.00100
		1,151	\$0.00073
		1,151	\$0.05900
		1,151	-\$0.00095
			-10%
			(\$10.23)
			\$158.90
			\$0.1381
			\$0.1395

Table 4 shows the average monthly usage for a RTOU customer is 1,151 kWh. The On-Peak/Off-Peak usage levels are the same as what was used in Table 2. The results of Table 4 shows that a customer using energy at a 40%/60% split will pay \$152.14 per month, which is \$6.76 or 4.45% less than the equivalent billing on the Residential A-Rate.

Table 4  
Average RTOU Customer  
Billed Under the RTOU Rate

<u>Monthly kWh</u>	<u>On-Peak</u>	<u>Off-Peak</u>	<u>Cost</u>	<u>Savings</u>	<u>Percent</u>
1,151	50%	50%	\$160.52	(\$1.62)	(1.01%)
1,151	40%	60%	\$152.14	\$6.76	4.45%
1,151	35%	65%	\$147.95	\$10.96	7.40%
1,151	30%	70%	\$143.76	\$15.15	10.54%
1,151	25%	75%	\$139.56	\$19.34	13.86%

As the On-Peak percentage of energy use decreases, the monthly cost and the unit cost will decrease. In addition, as the overall monthly usage increases (815 kWh versus 1,151 kWh) the savings at the different split levels also increases because more energy is being used Off-Peak.

Table 5 shows the effect of applying the new On-Peak/Off-Peak period and the proposed RTOU rates to the Revenue Proof calculation that was used in the FY11 Cost of Service Study. The resulting Forecast Class Total revenue is \$114,417, which is \$1,963 or 1.69% less than the Reallocated Revenue Requirement Class Total from the Cost of Service Study of \$116,380.

#### **Industrial Time of Use Rate**

The Industrial Time of Use Schedule I (ITOU) rate has been a part of the RMLD's rate structure since 1993. The rate is designed for high load factor companies that have two or three shift operations and also have the flexibility to move electricity usage to the Off-Peak periods. The proposed On-Peak and Off-Peak periods are the same as in the proposed RTOU rates. The ITOU rate structure is similar to the RTOU rate; however, the ITOU rate also has a demand component. The ITOU rate has a monthly demand charge, which is calculated based on the highest demand recorded during the On-Peak period.

Table 6 shows the monthly billing for an average commercial customer being billed under the Commercial C rate. The average commercial customer has a monthly demand of 20 kW and monthly energy usage of 5,229 kWh, which results in a load factor of

Table 5  
Revenue Proof  
Residential Time of Use

Reading Municipal Light Department  
Electric Cost of Service/Unbundling Study  
Forecasted Test Year Ending June 30th, 2011

Revenue Proof RESIDENTIAL TOU		Forecasted Revenues at Current Rates			Potential New Rate		
		Year Ending 6/30/11 Units	Test Year Rate	Calculated Year Ending 6/30/11 Revenue	Rate (\$)	Test Year Units	Estimated Revenue
Customer:							
Total Customers							
Customer Charge		1,572	\$ -	\$ -	\$ -	1,572	\$ -
Energy:							
Total Energy		1,808,521		8,662	5.51	1,572	8,662
On-Peak Energy	1,150	542,083	-	-	-	1,908,994	-
Off-Peak Energy	29.97%	1,211,902	0.08261	44,781	0.12392	460,771	57,096
TOU Water Heater	67.01%	54,536	0.06135	74,350	0.04295	1,393,687	59,852
Adjustments:	3.02%		0.03500	1,909	0.03500	54,536	1,909
PPA	100.00%						
Energy Audit		1,808,521	0.00073	1,320	\$ 0.00073	1,808,521	1,322
Pasny Credit		1,808,521	-	-	-	1,808,521	-
Discounts		1,808,521	0.00095	(1,711)	0.00095	1,808,521	(1,711)
			10%	(12,931)	10%		(12,713)
Forecast Class Total				\$ 116,380		Forecast Class Total	\$ 114,417
Revenue Req. Class Total				\$ 116,380		Revenue Req. Class Total	\$ 116,380
Change in Rate Required (%)				0.00%		Reallocated Revenue Req. Class Total	\$ 116,380
						Difference (\$)	1,963

Table 6

## Comparison of the Commercial C-Rate and the Industrial Time of Use Rate

## Average Commercial Customer

	Monthly Aver. Energy Usage	Existing	Commercial C - Rate
Customer Charge		\$6.58	\$6.58
Demand kW	20	\$6.8799	\$136.60
Base Energy Rate kWh	5,229	\$0.04893	\$255.84
Load Factor	36.1%		
Base Energy On-Peak Rate			
Base Energy Off-Peak Rate			
Conservation Charge	5,229	\$0.00100	\$5.23
HazMat Charge	5,229	\$0.00100	\$5.23
Purchased Power Adjustment	5,229	\$0.00073	\$3.82
Fuel Charge	5,229	\$0.05900	\$308.51
Discount		-10%	(\$41.33)
Total			\$680.48
Unit Cost (\$/kWh)			\$0.1301

	Monthly Aver. kWh Usage	Existing	Industrial TOU Rate
		\$27.54	\$27.54
	20	\$7.90	\$156.85
	5,229		
	36.1%		
	2,614	\$0.04835	\$126.41
	2,614	\$0.03622	\$94.70
	5,229		
	5,229	\$0.00100	\$5.23
	5,229	\$0.00100	\$5.23
	5,229	\$0.00073	\$3.82
	5,229	\$0.05900	\$308.51
		-10%	(\$41.98)
			\$686.30
			\$5.82
			\$0.1313
			0.85%

	Monthly Aver. kWh Usage	Proposed	Industrial TOU Rate
		27.54	\$27.54
	20	7.90	\$156.85
	5,229		
	36.1%		
	2,614	0.07253	\$189.61
	2,614	0.02535	\$66.29
	5,229		
	5,229	0.00100	\$5.23
	5,229	0.00100	\$5.23
	5,229	0.00073	\$3.82
	5,229	0.05900	\$308.51
		-10%	(\$45.46)
			\$717.62
	\$37.14		
	5.176%		\$0.1372

36.1% and is low compared to customers on the ITOU rate. The billing in the first block shows that this customer would pay \$680.48 under the Commercial C-Rate.

The second block shows the average commercial customer being billed under the existing ITOU rate, which at an On-Peak/Off-Peak split of 50%/50%, would cost \$686.30, which is \$5.82 or .85% higher than the billing under the Commercial C-Rate.

The third block shows the proposed ITOU rate, which is similar to the existing ITOU rate, however, the On-Peak rate has been adjusted by a factor 1.5 and the Off-Peak rate has been adjusted by .7. The resulting proposed On-Peak rate is \$.07253/kWh and the proposed Off-Peak rate is \$.02535. The average commercial customer with a monthly 50%/50% On-Peak/Off-Peak would be billed \$717.62, which is \$37.14 or 5.2% higher than the equivalent billing under the Commercial C-Rate.

Table 7 shows an average commercial customer having a monthly On-Peak/Off-Peak split of 40%/60% will be billed \$695.42 or an additional \$14.94 or 2.15% more than they would be if they were billed under the Commercial C-Rate. This occurs mainly because the customer's load factor is 36.1%, which is too low to save money on the ITOU rate.

The result of Table 7 is that an average commercial customer will not see savings on the ITOU rate until the split approaches a 30%/70% split, and at this level the savings is only 1.08%.

Table 7  
Average Commercial C-Rate Customer  
Billed Under the ITOU Rate

<u>Monthly kW/kWh</u>		<u>On-Peak</u>	<u>Off-Peak</u>	<u>Cost</u>	<u>Savings</u>	<u>Percent</u>
20	5,229	50%	50%	\$717.62	(\$37.14)	(5.18%)
20	5,229	40%	60%	\$695.42	(\$14.94)	(2.15%)
20	5,229	35%	65%	\$684.32	(\$3.84)	(.56%)
20	5,229	30%	70%	\$673.22	\$7.26	1.08%
20	5,229	25%	75%	\$662.12	\$18.36	2.77%

The RMLD then analyzed what a typical ITOU customer would pay on the Commercial C-Rate versus the ITOU Rate. Table 8 is similar to Table 6 and shows in the first block the monthly billing for a typical ITOU customer having an average monthly demand of 853 kW and average monthly energy of 435,702 kWh, which is from the bill frequency in the FY11 Cost of Service Study. The average ITOU customer would pay \$51,252.19 under the Commercial C-Rate, as shown in the first block of Table 8.

In the second block of Table 8 shows cost for the same customer being billed under the existing ITOU Rate at an On-Peak/Off-Peak split of 50%/50%, results in a cost of



Table 8

## Comparison of the Commercial C-Rate and the Industrial Time of Use Rate

## Average Industrial Customer

	Monthly Aver. Energy Usage	Existing	Commercial C - Rate
Customer Charge		\$6.58	\$6.58
Demand kW	853 ✓	\$6.8799	\$5,869.67
Base Energy Rate kWh	435,702 ✓	\$0.04893	\$21,318.45
Load Factor	70.0%		
Base Energy On-Peak Rate			
Base Energy Off-Peak Rate			
Conservation Charge	435,702	\$0.00100	\$435.70
HazMat Charge	435,702	\$0.00100	\$435.70
Purchased Power Adjustment	435,702	\$0.00073	\$318.06
Fuel Charge	435,702	\$0.05900	\$25,706.44
Discount		-10%	(\$2,838.42)
Total			\$51,252.19
Unit Cost (\$/kWh)			\$0.1176

	Monthly Aver. kWh Usage	Existing	Industrial TOU Rate
	853	\$27.54	\$27.54
	853	\$7.90	\$6,739.97
	435,702		
	70.0%		
	217,851	\$0.04835	\$10,533.11
	217,851	\$0.03622	\$7,890.57
	435,702		
	435,702	\$0.00100	\$435.70
	435,702	\$0.00100	\$435.70
	435,702	\$0.00073	\$318.06
	435,702	\$0.05900	\$25,706.44
		-10%	(\$2,638.07)
			\$49,449.04
			-\$1,803.16
			\$0.1135
			-3.65%

	Monthly Aver. kWh Usage	Proposed	Industrial TOU Rate
	853	27.54	\$27.54
	853	7.90	\$6,739.97
	435,702		
	70.0%		
	217,851	0.07253	\$15,799.66
	217,851	0.02535	\$5,523.40
	435,702		
	435,702	0.00100	\$435.70
	435,702	0.00100	\$435.70
	435,702	0.00073	\$318.06
	435,702	0.05900	\$25,706.44
		-10%	(\$2,928.00)
			\$52,058.48
	\$806.29		
	1.549%		\$0.1195

\$49,449.04, which is \$1,803.16 or 3.65% less than the equivalent billing on the Commercial C-Rate.

The third block on Table 8 shows the proposed ITOU Rate, which is similar to that shown in Table 6, with an On-peak rate of \$.07253/kWh and an Off-Peak rate of \$.02535/kWh. At a 50%/50% split the resulting cost of an average Industrial Customer on the ITOU rate is \$52,058.48, which is \$806 or 1.6% more than the equivalent billing on the Commercial C-Rate.

Table 9, is similar to Table 7, and shows the amount of billing and relative savings for an average Industrial Customer being billed under the proposed ITOU rate as compared to the Commercial C-Rate. According to Table 9, an average Industrial Customer, as defined in the FY11 Cost of Service Study, has an average monthly demand of 853 kW and monthly energy usage of 435,702 kWh. Table 9 also shows that an average Industrial Customer will not realize credible savings until it reaches a 40%/60% split, which will afford them an average monthly savings of \$1,043 or 2.08%.

The reason behind the Industrial Customers savings on the ITOU Rate is linked to the fact that the average ITOU customer has a 70% load factor, which means more energy is being used relative to the monthly demand, which equates to more Off-Peak energy usage at a lower kWh charge.

As the On-Peak energy usage decreases the savings increase to a point where, at a 25%/75% split, the monthly savings on the ITOU Rate is \$3,818 or 8.05%.

Table 9  
Average ITOU Customer  
Being Billed under the ITOU Rate

<u>Monthly kW/kWh</u>	<u>On-Peak</u>	<u>Off-Peak</u>	<u>Cost</u>	<u>Savings</u>	<u>Percent</u>
853 435,702	50%	50%	\$52,058	(\$806)	(1.55%)
853 435,702	40%	60%	\$50,208	\$1,043	2.08%
853 435,702	35%	65%	\$49,284	\$1,968	3.99%
853 435,702	30%	70%	\$48,359	\$2,893	5.98%
853 435,702	25%	75%	\$47,434	\$3,818	8.05%

Table 10 shows the Revenue Proof for the proposed ITOU Rate, which includes both the On-Peak/Off-Peak period change and the proposed rates. The Revenue Proof is the same as that which was used in the FY11 Cost of Service Study. The resulting revenue from the proposed ITOU Rate is \$11,313,099, which is \$98,727 or .87% lower than the Reallocated Revenue Requirement Class Total of \$11,411,826.

Table 10  
Revenue Proof  
Industrial Time of Use Rate

Reading Municipal Light Department  
Electric Cost of Service/Unbundling Study  
Forecasted Test Year Ending June 30th, 2011  
Revenue Proof

	Forecasted Revenues at Current Rates			Potential New Rate		
	Year Ending 6/30/11 Units	Test Year Rate	Calculated Year Ending 6/30/11 Revenue	Rate (\$)	Test Year Units	Estimated Revenue
Customer:						
Total Customers	516	\$ -	\$ -	\$ -	516	\$ -
Customer Charge	516	27.54	14,211	27.54	516	14,211
Demand:						
Total Demand	440,231	7.90	3,477,827	7.90	440,231	3,477,827
Energy:						
Total Energy	224,822,454	-	-	-	224,822,454	-
On-Peak Energy	72,595,208	0.04835	3,509,978	0.07253	61,705,927	4,475,222
Off-Peak Energy	152,227,246	0.03622	5,513,671	0.02535	175,061,332	4,438,505
Energy Conservation Charge	224,822,454	-	-	-	-	-
PPA	224,822,454	0.00073	164,120	0.00073	224,822,454	164,345
Discounts	1	10%	(1,267,981)	10%	-	(1,257,011)
	Forecast Class Total		\$ 11,411,826		Forecast Class Total	\$ 11,313,099
	Revenue Req. Class Total		\$ 11,411,826		Reallocated Revenue Req. Class Total	\$ 11,411,826
	Change in Rate Required (%)		0.00%		Difference (\$)	98,727

### Summary

The RMLD is recommending that the RTOU and the ITOU rates be adjusted as presented in this addendum, which should encourage customers to decrease their On-Peak energy usage and/or move usage to the Off-Peak period. The recommended revenue adjustments to both the RTOU (\$1,963) and the ITOU (\$98,727) rates results in marginally lower revenue and is \$100,690 or .22% less than the Total Forecast Revenue Requirement for all rate classes.