

**READING MUNICIPAL  
LIGHT DEPARTMENT**

**BOARD  
OF  
COMMISSIONERS**

**REGULAR SESSION**

**JANUARY 29, 2015**





READING MUNICIPAL LIGHT DEPARTMENT  
BOARD OF COMMISSIONERS MEETING

230 Ash Street  
Reading, MA 01867  
January 29, 2015  
7:30 p.m.

1. Call Meeting to Order
2. Opening Remarks
3. Introductions
4. Public Comment
5. Report of the Chairman
  - a. Update on Vacancy RMLD Board
  - b. Photovoltaic Discussion – Establishing a process for local siting
  - c. Update On LED Streetlight Replacement Program
  - d. Charter Review Changes
6. Approval of Board Minutes (Tab A)  
July 24, 2014 and September 17, 2014 ACTION ITEM
7. General Manager's Report – Ms. O'Brien – General Manager
  - a. Update on Organizational and Reliability Study
8. Power Supply Report – December 2014 – Ms. Parenteau (Tab B)  
Note: November and December reports will be in the packet.
9. Engineering and Operations Update – December 2014 – Mr. Jaffari (Tab C)  
Note: November and December reports will be in the packet.
10. Financial Report – December 2014 – Mr. Fournier (Tab D)  
Note: November and December reports will be in the packet.
11. M.G.L. Chapter 30B Bids (Tab E) ACTION ITEM
  - a. IFB 2015-12 Line Truck Chassis Inspection, Preventative Maintenance and Repairs  
Suggested Motion:  
Move that bid 2015-12 for Line Truck Chassis Inspection, Preventative Maintenance and Repairs be awarded to Taylor & Lloyd, Inc. for \$100,192.30 as the lowest qualified and responsive bidder on the recommendation of the General Manager. (This is a 3-year contract.)
  - b. RFP 2015-16 RF Mesh AMI System  
Suggested Motion:  
Move that RFP 2015-16 for an RF Mesh AMI System be awarded to Eaton's Cooper Power Systems, as the most advantageous, responsive and responsible bidder for a total cost of \$199,936.20 on the recommendation of the General Manager.
  - c. IFB 2015-17 Sicame Connectors  
Suggested Motion:  
Move that bid 2015-17 for Sicame Connectors be awarded to WESCO for a total cost of \$67,950.00 as the lowest responsive and responsible qualified bidder for a total cost of \$67,950.00 on the recommendation of the General Manager
12. General Discussion

**BOARD MATERIAL AVAILABLE BUT NOT DISCUSSED**  
**E-Mail responses to Account Payable/Payroll Questions**  
**Rate Comparisons, January**

**RMLD Board Meetings**

**Thursday, February 26, 2015**

**Thursday, March 26, 2015**

**CAB Meetings**

**Wednesday, February 11, 2015**

**Wednesday, April 15, 2015 – Budget Meeting**

**Wednesday, April 22, 2015 – Budget Meeting**

**13. Executive Session**

**Suggested Motion:**

**Move that the Board go into Executive Session to approve the Executive Session meeting minutes of July 24, 2014 and September 17, 2014, Chapter 164, Section 47D exemption from public records and open meeting requirements in certain instances.**

**ACTION ITEM**

**14. Adjournment**

**Suggested Motion:**

**Move to adjourn the Regular Session.**

**ACTION ITEM**

REGULAR SESSION MINUTES  
BOARD REFERENCE TAB A



Reading Municipal Light Board of Commissioners

Regular Session

230 Ash Street

Reading, MA 01867

July 24, 2014

Start Time of Regular Session: 7:32 p.m.

End Time of Regular Session: 9:09 p.m.

Commissioners:

David Talbot, Chairman

Robert Soli, Commissioner

Thomas O'Rourke, Secretary

Philip Pacino, Vice Chair

John Stempeck, Commissioner

Staff:

Coleen O'Brien, General Manager

Bob Fournier, Accounting/Business Manager

Hamid Jaffari, Director of Engineering & Operations

Jeanne Foti, Executive Assistant

Priscilla Gottwald, Community Relations Manager

William Seldon, Senior Energy Analyst

Citizens' Advisory Board (CAB):

Dave Mancuso, Member

Rubin and Rudman LLP:

Chris Pollart

Public:

Jack Devir

**Call Meeting to Order**

Chairman Talbot called the meeting to order and stated that the meeting was being videotaped; it is live in Reading only.

**Opening Remarks**

Chairman Talbot read the RMLD Board of Commissioners Code of Conduct.

**Introductions**

Chairman Talbot acknowledged CAB Member, Dave Mancuso and Chris Pollart of Rubin and Rudman. Chairman Talbot asked if there was anyone else that wanted to be acknowledged, there was no response.

Chairman Talbot reported that Commissioner O'Rourke will be the Secretary for this evening's meeting.

Commissioner Stempeck is participating remotely due to geographic distance.

**Report of the Chairman (Attachment 1)**

**RMLD Surplus Vehicles – Chairman Talbot**

Chairman Talbot reported on the matter of the bucket trucks that were sold and questions that were raised which has been in the public sector for a while. In April, following the RMLD's Policy, a RMLD employee bid and won the bids for three bucket trucks for a total of \$350, triggering questions. The matter was immediately looked into, and found RMLD's Policy that has been in place for approximately twenty years does not conform with current state law. The most recent update for this matter is that the trucks have been returned and parked in RMLD's parking lot. We thank the employee for doing this so promptly. In terms of those three trucks and any financial matters related to them, this issue is muted. However, in terms of the policy, the structure of how the RMLD handles surplus disposal is being looked at. Chairman Talbot pointed out that once this happened, the General Manager immediately, among many other actions, froze any other liquidations until the policies were updated. Chairman Talbot stated that the Policy Committee met and he sat in on that meeting. At that meeting, the participants were in agreement with the General Manager's recommendation that all the RMLD policies would be sent out for a thorough legal scrubbing and that process is well underway. Chairman Talbot said that there is a preliminary revision to the Surplus Disposal, Policy 2, this evening. Since there are recent updates, it would be prudent to not vote on the revised policy this evening. There are late breaking comments from the Citizens' Advisory Board (CAB) members that are appreciated and we need time to absorb those and to do this properly.



**Report of the Chairman (Attachment 1)**

**RMLD Surplus Vehicles – Chairman Talbot**

Chairman Talbot commented that in addition, the Town of Reading may have their own updating to their policies and can potentially be in alignment with RMLD to the appropriate extent. Given that liquidations have been paused administratively, this will not cause any issues. Chairman Talbot said that in addition, the General Manager has asked all the parties involved to sign non-collusion forms, contacted the State Ethics Commission for advice, called for a complete fleet maintenance practices and assessment study, had a companywide employee meeting, had state ethics training implemented and a state ethics seminar scheduled for September. Chairman Talbot said that this has been worked on to the fullest extent possible. Chairman Talbot said that he hopes at the next meeting the policy will be voted upon.

Mr. Pacino commented that Board members have to take the ethics training every two years. New Board members must take the ethics training within either sixty or ninety days from coming onto the board. It is an online course that the commission members, CAB members and every town officials should be taking. The online course takes no more than a half hour with a certificate that needs to be printed out for recordkeeping purposes.

Chairman Talbot asked Ms. O'Brien if there was anything else she had to add. Ms. O'Brien responded that Chairman Talbot did a good job. Ms. O'Brien stated that however, with the State Ethics Commission there are two mandated training requirements, one is an annual handout of which Human Resources has sent out to the employees which can be forwarded to the CAB as well as the commission members. The second mandated requirement is to take the online training every two years. Currently, the Town Clerk in Reading is the liaison contact. Ms. O'Brien said that Human Resources will promptly send out the link. Chairman Talbot said that this is his first meeting as Chairman as well as the first meeting after the General Manager's first anniversary. The scrubbing of the policies is long overdue; it is because of the initiative of this General Manager that we are doing this. Also, there are new initiatives that have taken place such as the recent LED streetlight grant for \$250,000. The customers of the four towns will see savings. All the citizens of the four towns on an extremely hot day would be exposed to a communications campaign to encourage them to reduce their consumption which was just designed, but not implemented. If one percent of the demand can be reduced, by a mass communications campaign, this will save approximately \$80,000 for one hour of activity. There are savings on legal bills and organizational efficiencies which have been implemented. Chairman Talbot wanted to thank Ms. O'Brien for her hard work. The RMLD is trying to improve organizational efficiencies at the RMLD for the benefit of its customers.

Chairman Talbot asked if there were any public questions regarding the truck matter, there were none.

Mr. Mancuso stated that he had a few comments on behalf of the CAB. He wanted to congratulate everyone on the grant and the CAB members are happy as well. Mr. Mancuso said that on the CAB side there was some feedback presented to him by members relative to the truck. Mr. Mancuso commented that they are happy to hear that the sale has been reversed and the trucks have been returned. There is some puzzling on the CAB as to how we exactly got where we got. The general feedback is that they have not convened on this and will do so in August to have more discussion. The biggest concern is not the sale of the trucks for \$350, but the process by which the commission and General Manager shared information with the CAB. The way the CAB has viewed this is that there were assurances that the RMLD was within policy and discovered afterwards that may not be the case. It is mostly concerning about us as an organization and the way we approach these types of things when they come up. The CAB was certainly notified of the initial activities, but did not receive any subsequent information. We look forward to working very closely with the General Manager and the commission to make sure we have a good flow of information which serve our role as advisors to the organization and serve our communities by being advocates for them. It is really to the CAB an issue of process as much as policy. Policy cannot always dictate common sense. We are looking forward to bringing the communities input.

Chairman Talbot commented that Mr. Mancuso's points are well taken. If there was any delay in the CAB getting information he will take the hit for that. Initially, he was gathering information and forwarding it immediately to the Town Accountant to figure out the best way going forward. If there was a need for him to let the CAB know about it, he apologizes for that. Mr. Mancuso said that it is acceptable and we look forward to working out a process. Chairman Talbot added that our understanding evolved over the weeks. At first we were reporting to the Town Accountant. The first he has heard from any CAB members was in the last couple of days. Mr. Mancuso thanked him for holding off on the policy vote. Chairman Talbot added that CAB member Dave Nelson also mentioned this as well.

**Policy Committee Vice Chair Pacino**

**Draft RMLD Surplus Policy – This has been reviewed by legal counsel.**

Mr. Pacino reported that the Policy Committee met on July 1 with the Town Accountant, Sharon Angstrom and the Town of Reading Board of Selectmen, Chair Arena to specifically to discuss the truck issue and make some suggestions as to what the policy should be.



### **Policy Committee Vice Chair Pacino**

#### **Draft RMLD Surplus Policy – This has been reviewed by legal counsel.**

Mr. Pacino said that the Policy Committee basically all along had been working with the General Manager and followed her recommendation that the policy needed to be sent out, scrubbed, cleaned up, modernized and adjustments made. That meeting took place in short span of time after the truck issue happened. The decision was made at that point to send out the policies to legal counsel to get them cleaned up, scrubbed with the required changes. That is where it currently stands. The Policy Committee will meet within the next month once the policies are reviewed by legal counsel. One of items that has already been addressed is the Surplus Policy. The Policy Committee needs to meet again on this policy to make its recommendations prior to the Board approval and is requesting that the vote be deferred by the Board this evening, which has been addressed. Chairman Talbot commented that the RMLD will have one tightest policies in the state.

Mr. Pacino suggested that all comments from the Board and CAB go the General Manager's office.

### **Update on Charter Committee Vice Chair Pacino**

Mr. Pacino stated that in the Board packet there is a legal opinion from Rubin and Rudman. Mr. Pacino stated that he is a member of the Charter Review Committee that is reviewing and updating the Reading Town Charter. One of the issues being raised is that he needs guidance from the commission because in the By Laws and Charter there are a couple of items that are concerning to the General Manager and legal counsel. One is the appointment of the Accounting Manager and Chief Accountant of the Reading Municipal Light Department which is appointed by the commission and the second is the adoption of Massachusetts General Law, Section 30B. The legal opinion is that these two items conflict with state law. In Chapter 164 Section 56, the General Manager is responsible for all the employees of the Department. The only person that the RMLD Board is responsible for is the General Manager. The Board cannot reach into the Department and tell anyone what to do; we can go only through the General Manager and have always done this. The Charter in essence tried to change this. The other concern is MGL 30B in which he understands that the commission never voted on MGL 30B; he is unsure if it was intentional or unintentional, but he does not think the previous General Manager brought this to the commission for a vote. If we vote for MGL 30B, power contracts would come under MGL 30B which could be a problematic issue. Power contracts only stay open for a short period of time to go through the MGL 30B process you will not get the best deals. The third item is the presentation that the RMLD is to make to the Finance Committee. Mr. Pacino said that in the past, the RMLD has had to remind the Finance Committee that we should make the presentation. One of things to do is to clean up at language that says we will be making an informational presentation to the Finance Committee.

Mr. Pacino explained that in 2003, a governance committee was set up by the Town of Reading to look into this. At that point some of the recommendations came into place. One recommendation was that the Board would appoint the Accounting Manager and MGL 30B would be put in place except for power contracts. There were other items proposed at that time such as the RMLD Board commission members are appointed which would have wreaked havoc with the three outside towns. These changes came out at this point. Mr. Pacino is looking for guidance and direction from the Board because the Charter Review Committee is meeting next Monday evening. Mr. Pacino has provided the Board with all the proposed changes that include what he presented to the Charter Review Committee, and Bill Brown's comments who is a member of this committee.

Mr. Stempeck thanked Mr. Pacino. Mr. Stempeck said that each aspect has to be addressed separately. If there is any conflict with state law, we do not want to be in that area. It needs to be extremely clear from this point going forward that we are not in conflict with state law. There also has been a recommendation that the General Manager was going to look at components of MGL30B to see if certain pieces were appropriate and others that were inappropriate to negate conflict. Regarding the other provisions in terms of appointed versus elected, he is in agreement that this would significantly lessen the independence of the RMLD Board of Commissioners overall. This would cause significant issues given the fact that the RMLD services four towns, not only Reading. It could be a major issue as well. We need to be very careful moving forward and take a bit more time and need to provide guidance. The blanket acceptance of any of these cannot happen immediately. If there is any guidance, he would suggest to research each issue then come up with a recommendation. Chairman Talbot added that as part of their top to bottom policy scrubbing they will be doing that.

Ms. O'Brien said that there is nothing that they can find that shows an RMLD Board of Commissioner vote was taken for MGL 30B. Only the RMLD Board of Commissioners can vote to adopt MGL 30B which cannot be done in pieces it has to be in its entirety. This would exclude the RMLD from being competitive in power supply completely. RMLD Policy 9, Procurement that essentially adopts MGL 30B in some fashion which is being sent out to be scrubbed. It is her recommendation to continue to follow MGL 30B because it is good business practice, but would say in the policy where MGL 30B does and does not make sense to protect any competitive process for the RMLD and its enterprise structure. The RMLD Board Policy 19, Board of Commissioners policy currently states that the Board can appoint the Accountant which is in violation of the law and that is why that policy is being sent out.



### **Report of the Chairman (Attachment 1)**

#### **Update on Charter Committee Vice Chair Pacino**

Ms. O'Brien's overall recommendation is to wait for legal to come back with the recommendations on the revised policies to make sure they are not in violation of the law. At that point, you will be in a better position to take your comments to back the Charter Review Committee. Chairman Talbot is agreement with that.

Mr. Pacino added that in 2003, the Town of Reading's attorney disagreed with the memo from Rubin and Rudman. Reading's Town Clerk has submitted a copy of this current Rubin and Rudman memo to get the town's legal counsel's opinion on this. Mr. Stempeck commented that by submitting this to town counsel, isn't this a conflict of interest? Mr. Pacino said that the Rubin and Rudman opinion is being reviewed by the Reading town counsel. Ms. O'Brien explained the clarification is on who appoints RMLD's Accountant and counsel. Mr. Stempeck said that it is a conflict to submit this to town counsel for an opinion on this.

Mr. Pollart said that the timing with respect to review relative to the Purchasing policy has been raised. Mr. Pollart said that a reasonable timeframe would be mid to the end of August. The policies need to be reviewed and the applicable law researched. Then they would meet with the applicable employees at the RMLD in charge of purchasing and figure what aspects of MGL 30B make sense for the Department and what aspects do not. Other good purchasing practices should be included. A draft policy will be put together and reviewed by RMLD staff then a final policy for the Board's review.

Mr. Pollart stated that Massachusetts General Laws Chapter 164 Section 56, specifically state that the General Manager shall be responsible for hiring employees, agents and counsel. The Golubek decision has looked at aspects of Section 56 and the public cases have as well opined and further clarified that it is the General Manager exclusively that has the charge of all employees, agents and counsel at the RMLD. With respect to the Board, it plays an extremely important function of establishing and setting policy. One of the most important aspects of the Board besides policy is selecting a General Manager which is the sole authority of the Board. With respect to the Department and the day to day operations of the plant which includes the hiring of all these people, this is exclusively within the control of the General Manager.

Ms. O'Brien said that the RMLD uses the same auditor as the town, Melanson Heath and is under the impression that this is in the spirit of cooperation not by law. Mr. Pollart said that is not required by law. The hiring of the auditor for the RMLD finances is up to the General Manager's discretion.

Mr. Soli said that the stressing of 30B is very important. Apparently the Town Charter says that RMLD should use 30B, but not for power supply. As it has already been pointed out if you take one bite you have to swallow the whole thing under 30B. For power supply contracts, typically the offer from the vendor is open for one hour. The RMLD has one hour to look at the offerings to make a decision and with Chapter 30B this could not happen. Apparently, no other muni has signed up for Chapter 30B because they have looked at that instance and realize it makes life unworkable. Mr. Soli said that the power supply issue needs to be addressed to the Charter Review Committee as well as Town Meeting.

Mr. Pacino clarified the direction he should be taking on the charter changes. Based on the Board's input he is getting the direction that we are requesting that everything stands in place right now while the Department's policies are scrubbed, cleaned up and made new again then move forward at that point. The Board was in agreement.

#### **Public Comment**

There was no public comment.

#### **General Manager's Report – Ms. O'Brien**

Ms. O'Brien said that she would like Ms. Gottwald to provide a brief update on recent cable television on the unbundling of the bill.

#### **RMLD Utilizes local cable television to explain unbundling of its billing**

Ms. Gottwald reported that Ms. Parenteau, Ms. O'Brien and herself filmed the unbundling of RMLD's rates. Ms. Gottwald sent the commission members the YouTube link for this programming. There were no call ins from the public during the filming, but they had prepared questions. Discussion in the filming addressed a poster that demonstrated the new line items in the unbundled bill with the explanations RMLD's responsive communication program and paperless billing. RMLD's customers can sign up in the lobby at the kiosk for RMLD auto payment. The unbundled bill is also found on RMLD's website.

Ms. O'Brien reported on the responsive communications program and that there was a meeting with a couple of town managers, police departments as well as fire chiefs this week.



### **General Manager's Report – Ms. O'Brien**

#### **RMLD Utilizes local cable television to explain unbundling of its billing**

Ms. O'Brien stated that discussion involved utilizing the towns reverse 911 System whether it was Everbridge or Code Red. Ms. O'Brien said that Mr. Jaffari along with his staff have helped to put together the power watch and voltage reduction scenarios that could occur and go with those systems.

Ms. O'Brien stated that as the RMLD works forward in its technologic strategic plan, it may come up with using their own system in the future. In the unlikely event there is an ISO New England grid system operator such as a public appeal for conservation or voltage reduction due to the shutdown of Salem Harbor, we want everyone to know.

Ms. O'Brien stated that customers can sign up online or at the kiosks at the local police stations throughout the four towns. Ms. Gottwald added that the superintendents of schools in the four towns each has agreed that when the RMLD sends out an alert they will send the parents (for whom that have e-mail addresses) the alert.

Chairman Talbot asked what do customers have to do receive such alerts. Ms. O'Brien said that there is a kiosk in RMLD's lobby to sign up for alerts. Ms. Gottwald explained that customers can go on their respective town's website and opt in to get the alerts. Chairman Talbot said that customers can get the alerts if they sign up for the public safety alerts on their respective towns websites. Ms. O'Brien said that the four town local cable televisions are also showing the alerts. Chairman Talbot said that this was a great initiative.

### **General Manager's Report – Ms. O'Brien**

#### **RMLD Receives \$250,000 in LED grant money from Department of Energy Resources**

Ms. O'Brien reported that the RMLD is a recipient of a \$250,000 grant by the Department of Energy Resources for energy efficiency programs for customers of municipal light plants. The intent was to expand cost savings and environmental benefits. The RMLD will receive \$75,000 for commercial and industrial LED programs, \$50,000 for residential LED programs and \$31,250 for LED streetlight conversions for the four towns. It plays into the six year transparent capital budget that was calling for the LED conversion program over the next three years. The LED Pilot program now that the rates are unbundled - has a new LED streetlight rate as well as a new low income rate. The LED Pilot program will commence this week. Ms. O'Brien said that she will send the commission and CAB members the LED Pilot Program. Ms. O'Brien stated that she went to visit the four town managers and they are happy with the areas the RMLD will be piloting. Chairman Talbot said that this was a great initiative.

#### **RMLD Teams with commercial customers on vehicle charging stations**

Ms. O'Brien reported that the RMLD is providing a joint venture partnership for the electric charging stations to businesses (commercial customers) for their employees to utilize. Any commercial or industrial customer that is interested in this program should contact the RMLD. The charging stations provide access to employees with electric vehicles. It also reduces greenhouse gases amongst other environmental benefits. It enhances employee benefits and increases recruitment. Charging stations are one mechanism that helps RMLD manage its peak demand. RMLD will assist customers to obtain the grants from the Commonwealth of Massachusetts to fund fifty percent of a unit with a cap of \$25,000 per project.

Chairman Talbot asked how this helps the peak: will the charging stations be switched off during that timeframe? Ms. O'Brien responded that the RMLD works with its customers with that partnership to make sure we are staying away from the peak. Chairman Talbot added that employees are at work during peak hours. The charging scheduling is played into that partnership so it is a win-win on both sides. Chairman Talbot said that this was a great initiative. Chairman Talbot said that RMLD is accessible to many major highways and there are more electric cars on the road. Consumers need electric charging stations that are near the highways, perhaps the RMLD can think of building charging stations which would be a good way to generate business. Ms. O'Brien cautioned that if anyone is interested in installing charging stations you cannot sell them for resale which is part of the terms and conditions.

#### **RMLD receives benefit from the retirement of MMWEC debt retirement**

Ms. O'Brien reported that for Mix 1, which consists of three megawatts of Millstone Nuclear Plant and 30KW of Seabrook Nuclear Plant, as of July 1 this debt reduction reduces capacity costs by \$982,000 for this fiscal year which was included in the budget as part of the six year plan. Mixes 3, 4, 5, which are also combinations of Millstone and Seabrook, will be retiring their debt in 2017 and 2018 at a cost savings of \$1.2 million apiece which was included in the budget.

#### **Power Supply Report – May 2014 – Mr. Seldon (Attachment 2)**

Mr. Seldon reported that the RMLD's load for May was approximately 54.47 million kilowatt hour, which is approximately two million kilowatts less than May 2013. RMLD's energy cost was approximately \$1.73 million, equivalent to \$.0312 per kilowatt hour. Mr. Seldon stated that the Fuel Charge adjustment for May and June was \$.065 per kilowatt hour.

**Power Supply Report – May 2014 – Mr. Seldon (Attachment 2)**

Mr. Seldon said that the Deferred Fuel Reserve is projected to have a year-end fiscal year balance of approximately \$2.175 million. RMLD purchased 6.5% of its energy requirements from the ISO New England Spot Market at an average cost of \$.05 cents per kilowatt hour.

RMLD's peak demand was 101.7 megawatts which occurred on May 12 at 6:00 pm with the temperature at forty nine degrees - last year the peak was 143.38 megawatts with a temperature of ninety two degrees. The monthly capacity requirement was 215.57 megawatts with the total capacity cost of \$1.37 million which is equivalent to \$6.38 a kilowatt month. Capacity and energy costs were approximately \$.056 cents per kilowatt hour with 14.2% of the energy purchased from hydro generation or green power sources.

The RMLD has received approximately 8,733 RECs with the estimated market value of approximately \$376,000 which is \$43 dollars per REC.

Mr. Seldon reported that the RMLD's total transmission costs for the month of May were \$628,000 which is approximately \$256,000, 1% lower than April, which is attributed to the lower peak for the month.

Energy efficiency measures dollars spent to date, or \$397,657, with an estimated savings in capacity of 1.16 megawatts and a reduction of 2.7 million kilowatt hours.

Note that the Financial Report and Engineering and Operations Report were taken out of order.

**Financial Report – May 2014 – Mr. Fournier (Attachment 3)**

Mr. Fournier presented the May Financial Report which represents the first eleven months of fiscal year 2014; the positive change in Net Assets of \$1.3 million, with the year to date Net Income approximately a little over \$1 million.

Year to date budgeted Net Income was approximately \$3 million with the resulting Net Income being under budget by approximately \$2 million. Actual year to date fuel expenses exceeded fuel revenues by about \$322,000.

Year to date base revenues were under budget by \$1.3 million. Actual base revenues were \$42.4 million compared to the budgeted amount of \$43.8 million.

Year to date purchased power base expenses were under budget by \$178,000. Actual purchased power base costs were \$26 million compared to the budgeted amount of \$26.2 million.

Year to date operating and maintenance (O&M) expenses combined were under budget by \$67,000. The actual O&M expenses were \$11.6 million compared to the budgeted amount of \$11.7 million. Depreciation expense and voluntary payments to the Towns were on budget.

Operating Fund was at \$11.6 million, Capital Fund \$4.3 million, Rate Stabilization Fund \$6.7 million, Deferred Fuel Fund \$2.2 million and the Energy Conservation Fund at \$452,000.

Year to date kilowatt hour sales were 632 million kilowatt hours sold which is 10 million kilowatt hours or 1.5% behind last year's actual figures.

Mr. Fournier stated that the June inventory physical count was performed, which went well. The accounts receivable confirmations were sent out the first full week of July and he encourages our customers to respond. The audit field work is scheduled for the week of August 18. The auditors will make their full report at the September meeting.

Mr. Fournier reported that cumulatively the five divisions came in under budget by \$42,000 or ¼ of 1%.

Chairman Talbot pointed out that sales are down by 1.5%, sales are drifting down. What does Mr. Fournier attribute this to? Mr. Fournier replied that it is the conservation efforts and weather. Chairman Talbot clarified that if the weather was averaged for a year, it would be the same. Chairman Talbot pointed out that the overall business model is flat in spite of the development continuing and that sales are in decline and something for all of us to keep in mind. There will be less sales and more pressure on our finances. It suggests new ways to drive the business in different directions with new initiatives and not what we are doing now.



**Financial Report – May 2014 – Mr. Fournier (Attachment 3)**

Mr. O'Rourke clarified if we looked at sales month to month, is it a constant decline? Mr. Fournier said that from last May we are down 2 million kilowatt hours. Even last year at this time we were down 2 million kilowatt hour sales. Mr. Fournier stated that is a combination of the weather and conservation efforts. Chairman Talbot said that in theory the weather related affects over a year should be averaged. The drifting down in demand and drifting up of fixed costs such as transmission that will put pressure on us in the long term.

**Engineering and Operations Report – May 2014 – Mr. Jaffari (Attachment 4)**

Mr. Jaffari stated that he will be reporting on the May System Projects, and Reliability Indices.

**FY 2014 Capital Authorization projects**

Mr. Jaffari reported that System Project 101 – 5W9 Reconductoring – Wildwood Street 50% complete, Project 104 – Upgrading Old Lynnfield Center URDs (Cook's Farm), Project 106 – URD Upgrades – All Towns ongoing, and Project 107 – Stepdown Area Upgrades – All Towns ongoing, Project 111– Station 4 – Gaw Getaway Replacement – 4W13 ongoing.

Mr. Jaffari reported that in May there were no Customer Service Connections for Commercial/Industrial, but some activity for service installations. For the routine construction and capital improvements the following occurred in the month of May: five capital projects were completed that included the towns of North Reading, Reading and Wilmington. The RTU Replacements at Station 5 is ongoing. For the underground subdivisions (new construction), three are completed (one in Wilmington and two in Reading). There were miscellaneous capital costs of \$57,724 in the month of May with the total activity in the amount of \$156,664.

**Maintenance**

Mr. Jaffari said that RMLD has established seven preventative maintenance programs to minimize outages and maintain reliability and that they are all "works in progress". In the month of May, the following has occurred:

***Aged/Overloaded Transformer Replacement Program:*** Three padmount transformers were replaced in the following towns; (1) Duane Dr, N. Reading; (2) Amherst Rd, Wilmington; and (3) Blanchard Rd, Wilmington. Additionally, the three phase padmount transformer inspection is ongoing.

***Pole testing:*** Pole testing RFQ was sent out in which one bidder quoted for sound testing and no electronic testing was requested by RMLD. RMLD would like to utilize nondestructive electronic test method, the RFQ is being resent with the hope of seeking more vendors.

***Feeder Quarterly inspection Program:*** The 13.8kV/35k quarterly feeder inspections are being done as planned with four completed in the month of May/June.

***Manhole Inspection program:*** Mr. Jaffari reported that the manhole inspection program is in development.

***Porcelain Cutout Replacement Program:*** Total of 44 cutouts were replaced in the month of May.

***Infrared Scan (Monthly):*** No scan in the month of May. This program officially started in June 2014, with no significant problems at the substations..

***Substation Maintenance Program:*** UPG is continuing testing all transformers, breakers, and relays at all substations.

**Reliability indices**

Mr. Jaffari reported on the three reliability indices that the RMLD tracks. SAIDI (System Interruption Duration Index) year to date 2014 is at 6.26 and is well below the Regional Average and National Average. SAIFI (System Average Interruption Frequency) year to date 2014 is at 0.16 and is lower than the Regional Average and National Average. CAIDI (Customer Average Interruption Duration Index) year to date 2014 is at 38.13 and is lower than the Regional Average and the National Average.

Mr. Jaffari stated that the 2010-2014 Outage Causes Types chart demonstrates that forty eight percent of failures were due to equipment failure (i.e. transformers and cutouts) followed by trees and wildlife.

Mr. Soli clarified that for the capital budget is \$6.1 million, there is \$2.7 million remaining - will these be carried over? Mr. Jaffari replied: "that is correct".

**General Discussion**

There was none.

**BOARD MATERIAL AVAILABLE BUT NOT DISCUSSED**

**E-Mail responses to Account Payable/Payroll Questions**

**RMLD Board Meetings**

**Thursday, September 25, 2014**

**Thursday, October 30, 2014**

**Executive Session**

At 9:00 p.m. Mr. Pacino made a motion seconded by Mr. Soli that the Board go into Executive Session to approve the Executive Session, discuss mediation and union negotiations update, and return to Regular Session for the sole purpose of adjournment.

**Chairman Talbot polled the Board. Motion carried by a polling of the Board:**

**Mr. Soli; Aye; Mr. Pacino; Aye ;Mr. O'Rourke; Aye; Chairman Talbot, Aye and Mr. Stempeck, Aye.**

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

**Adjournment**

At 9:09 p.m. Mr. Pacino made a motion seconded by Mr. Soli to adjourn the Regular Session to adjourn.

A true copy of the RMLD Board of Commissioners minutes  
as approved by a majority of the Commission.

Thomas O'Rourke, Secretary Pro Tem  
RMLD Board of Commissioners

**Reading Municipal Light Board of Commissioners**

**Regular Session**

**230 Ash Street**

**Reading, MA 01867**

**September 17, 2014**

**Start Time of Regular Session: 7:30 p.m.**

**End Time of Regular Session: 9:15 p.m.**

**Commissioners:**

**David Talbot, Chairman**

**John Stempeck, Secretary Pro Tem**

**Philip B. Pacino, Vice Chair**

**Thomas O'Rourke, Commissioner**

**Staff:**

**Coleen O'Brien, General Manager – Absent**

**Beth Ellen Antonio, Human Resources Manager**

**Jane Parenteau, Integrated Resources Manager**

**Hamid Jaffari, Director of Engineering and Operations**

**Jeanne Foti, Executive Assistant**

**Guest: Chris Pollart, Esquire, Rubin and Rudman**

**Citizens' Advisory Board (CAB):**

**Dennis Kelley, Member**

**Town of Reading Finance Committee Liaison**

**Craig Merry, Member**

**Public:**

**Peter Brown, Member of Town Meeting, Reading**

**Call Meeting to Order**

Chairman Talbot called the meeting to order and stated that the meeting was being videotaped; it is live in Reading only.

**Opening Remarks**

Chairman Talbot read the RMLD Board of Commissioners Code of Conduct.

**Introductions**

Chairman Talbot acknowledged that Bob Soli a long time commissioner tenured his recognition today has moved out of the community and want to thank him for his years of service. The RMLD Board and Board of Selectmen will be looking for applications for his replacement. Chairman Talbot recognized CAB representative Dennis Kelley, Craig Merry from the Finance Committee, Town Meeting Member, Bill Brown and Rubin and Rudman legal counsel Chris Pollart.

Chairman Talbot said that Commissioner Stempeck will be the Secretary for this meeting.

Chairman Talbot reported that Coleen O'Brien had to leave during the Policy Committee meeting due to a breaking family medical emergency. Chairman Talbot stated that Mr. Jaffari will cover the meeting in the absence of Ms. O'Brien.

**Report of the Chairman (Attachment 1)**

**Town of Reading – Town Warrant Article 14**

**The Town of Reading Board of Selectmen have been invited to attend this meeting.**

ARTICLE 14 To see if the Town will vote to authorize and request the Finance Committee, pursuant to section 3.3.2.3 of the General Bylaws, to investigate at once the books, accounts, records and management of the Reading Municipal Light Department; to employ such expert and other assistance as it may deem advisable for that purpose; to make a report on its investigation setting forth its findings and recommendations, and to transmit such report to the Town Meeting prior to November 10, 2014; Or take any other action with respect thereto.

Chairman Talbot said that he reached out to the Board of Selectmen to come have a conversation with the Board. The RMLD Board did not know that Article 14 was going to be put on the warrant, it was a surprise. Chairman Talbot reported that the Chair of the Board of Selectmen Arena did get in touch with him earlier and said he was unable to attend the meeting.



**Report of the Chairman (Attachment 1)**  
**Town of Reading – Town Warrant Article 14**

**The Town of Reading Board of Selectmen have been invited to attend this meeting.**

Chairman Talbot said that he is happy that Mr. Merry is here because Article 14 requests that the Finance Committee investigate the Department. Chairman Talbot said the Board will be voting on a new equipment disposal policy that will greater tighten any further disposal of equipment.

Chairman Talbot noted that a policy that was in place for over a decade, allowed equipment including trucks to be offered for free to Town Managers and DPW managers, then if they did not want them an ad was placed in the local newspaper which would be awarded to the lowest bidder. It was at the discretion of an RMLD manager to award the bid. In April, three trucks were attempted to be disposed in this manner, after checking with the Town Managers and DPW manager, the trucks went to bid. One employee put in some low bids and was awarded the bid. Chairman Talbot said that there are a many problems with that. It was apparent to him that the bid was low. The fact of the matter is once this came to our attention, very strong action was taken. The trucks are back. The RMLD immediately started reforming its policies which could have been performed by prior Boards over the last ten years, but it is getting done tonight.

Chairman Talbot said that they are a self-governing body, but included cooperating with the Town Accountant who we worked with extensively. Everything she asked for we gave her. The RMLD is a public agency and the records are available to anyone who asks for them. Chairman Talbot said that the Finance Committee already has the ability to ask for the same thing.

Mr. O'Rourke said that the reality is that there was no violation of policy; it was a policy that was overdue for revamping. Based on this occurrence, the policy has been updated. Chairman Talbot said that the manager did not have to accept the low bid which is one area we have to own up to which has happened. Chairman Stempeck added that when something happens it is a matter of how quickly action is taken to address the issue.

Mr. Merry explained that the Town Manager brought the Finance Committee up to date on this issue in July. At a recent meeting which occurred a week or two ago the matter of the Town Warrant was brought to their attention. They were asked to vote on Article 14 and Article 15. Mr. Merry added that the information he has received has been from the Town Manager, what he has read in the papers and has heard stories.

Mr. O'Rourke said that his reaction to this is that it would have been helpful to him as a Commissioner to have had the opportunity for discussion prior to something going onto a warrant. When we met in July with the Chair of the Board of Selectmen and one other town representative we had a healthy and productive discussion about what needed improvement and he left very positive that we had some good collaboration. Between that moment and now, to see it on the Town Warrant is a little troublesome in terms of the sense of collaboration and in terms of resolving it. We were on schedule to review all of our policies that was indicated and are available on RMLD's website which was pointed out to the town representatives. Mr. O'Rourke said that the theme that needs to take place here is collaboration and not confrontation, which he applies to his own business as well as the other board he sits on.

Mr. Pacino commented that to echo Mr. O'Rourke's comment, the first time he saw these articles is when they made the warrant. Mr. Pacino stated that as a former Finance Committee Chairman whenever something was discussed in front of the Finance Committee when he was Chairman that the parties that were going to be discussed about knew about it and were invited. Being the former Chairman-for-Life on the By Law Committee he followed this as well. No one from the Board of Selectmen has come down to speak to the RMLD Board. The first time we are seeing this is in the warrant. Communication and collaboration on this has not been good. Mr. Pacino was also in attendance at the meeting, there were changes that needed to be made and we made them.

Mr. Stempeck added that he was also in attendance at that meeting; he thought they had a great dialogue. Mr. Stempeck commented that Board of Selectmen Chair Arena and Town Accountant Sharon Angstrom were present. Mr. Stempeck said that the RMLD would address their issue. The Board of Selectmen has the same policy in place. The thing that was troublesome to him at the September 2, Board of Selectmen meeting was the use of the word "investigation." That word was used twelve times in twelve minutes. An "investigation" to his ears sounds like there was wrongdoing which is far from the truth; we are all trying to do the right thing. Investigation implies reckless accusations that could negatively impact RMLD's credit rating which could ripple back to higher rates. It would greatly outweigh any paltry savings from surplus material. His key concern is we are all trying to do the right thing. The word "investigation" is an incorrect word. Mr. Stempeck quoted Selectmen Marsie West stating "the RMLD has too much autonomy." Mr. Stempeck said that as Commissioners we are extremely surprised by that because Ms. West sat with us a year ago on the Board. Chapter 164 states that the RMLD has autonomy for very specific reasons, as it is state mandated. It is not up to the Reading Board of Selectmen nor is it within their ability to do this. We have a lot of things we are trying to accomplish. Ms. O'Brien is working on all served communities Economic Development Committees to try to attract new businesses because of RMLD's low rates, which would increase tax revenues. We are a little surprised and upset about how this transpired and do not understand how this happened because we have been extremely cooperative.



**Report of the Chairman (Attachment 1)**

**Town of Reading – Town Warrant Article 14**

**The Town of Reading Board of Selectmen have been invited to attend this meeting.**

Mr. O'Rourke said that he has been on the commission for five months, his biggest concern going forward, the town and RMLD is fortunate to have a highly professional General Manager. He has been impressed in a short period of time as to what she has accomplished because of what she has done with revamping the organization, labor relations, employee development; focus on future development growth, environmental initiatives and a strong desire to grow the business where it can be grown, and to operate cost effectively. Mr. O'Rourke believes he is speaking on behalf of the commission members and cautions everyone that these general managers do not come around often. We have to be careful on how we manage this singular issue so it does not drive someone away from a great opportunity for all of us. Mr. O'Rourke stated that the key note is collaboration. We have expressed our disappointment, but we are committed to collaborate with the town to work together to make this an effective and efficient operation for RMLD for the benefit of Reading as well as the other communities we serve.

Mr. Merry said that he is glad to see they have moved forward and made some changes. Everyone is glad to see that. As far as what is going on behind the scenes he cannot answer for the selectmen. He has been a member of the Finance Committee for six months. He knows a little bit about the situation from the Town Manager and what he has read in the newspapers.

Chairman Talbot said that he is familiar with what the Finance Committee role is. Chairman Talbot clarified that the Finance Committee is an independent body. Mr. Merry agreed. Chairman Talbot commented that the Finance Committee has free reign to do what they want to do as a committee to investigate town finances including RMLD finances. The Finance Committee is independent is that correct? Mr. Merry replied, yes, according to the By Laws. Chairman Talbot commented that the Finance Committee already has the ability to come in and look at the RMLD's payroll, etc. Chairman Talbot clarified why the selectmen put a Town Meeting Warrant Article to tell you what to do if you are already supposed to be independent. Mr. Merry explained that the By Laws were amended and will be potentially amended which is part of that. Mr. Merry explained that there are two Warrant Articles. Chairman Talbot asked Mr. Pollart to clarify whether the Finance Committee is already independent and empowered to conduct investigations or look at records as they deem fit. Chairman Talbot asked Mr. Merry if there is anything they want from the RMLD at this point. Mr. Merry responded not at this point. Chairman Talbot asked if there is any reason by itself that the Finance Committee sees fit that they would like to look at the RMLD. Mr. Merry responded no that he is not aware of this. Chairman Talbot asked if there a sense that RMLD has not provided what Sharon Angstrom has asked for. Mr. Merry responded he is not aware of this. Chairman Talbot added that it helps to know that. Mr. Merry commented that he is the new liaison.

Chairman Talbot asked if the Finance Committee already has the ability to look at RMLD records. Mr. Pollart replied that because the RMLD is a public entity subject to public records laws the Finance Committee, Board of Selectmen, Conservation Commission and good natured citizens have the right to request copies of public records and review the records of the RMLD and report as they see fit. Chairman Talbot reiterated that if the Finance Committee already has the ability to look at RMLD records, what this Article does that they cannot already do. Mr. Pollart responded that it is not clear. Chairman Talbot said that it is important that Town Meeting should be informed that this Article already represents something the Finance Committee can do.

Mr. William Brown said that in the background material for the Town Warrant it states that the Finance Committee does not have any control over the RMLD because it is an advisory to Town Meeting only. Mr. Brown stated that he will not vote for this Article. He might vote for the amendments because they make some sense. From what he can read from Chapter 164, he does not think that the town has an ability to do that. Mr. Brown and Mr. Pacino went over the wording in the Charter changes.

Chairman Talbot said that he finds some of this mysterious. The RMLD had an issue and fixed it. We need to move on to the important things to do. Mr. Brown added that a lot has been fixed; perhaps a letter to the ratepayers may help because there are rumors that should be cleared up.

Mr. Pacino stated that if this goes forward, and the Department is going to incur a cost, it will be an expense. This will involve time, effort as well as paperwork that needs to be assembled and is very concerned about that. Mr. Pacino said that not everyone understands the finances of this entity. There are rates then everything comes off of that. The bottom line of this entity is zero. If we incur additional expenses we are going to have to raise the rates to the customers or take it out of the construction fund and potentially lessen the reliability of this Department. Those construction funds maintain the lines. Sixty percent of RMLD's load is outside of Reading. Mr. Pacino is unsure if anyone has gone to an industrial customer in Wilmington and asked them if this is a good idea, he doubts it. He does not want the cost passed on to the ratepayers and it is very unfair that they pay for this if they do not want it.



**Report of the Chairman (Attachment 1)**  
**Town of Reading – Town Warrant Article 14**

**The Town of Reading Board of Selectmen have been invited to attend this meeting.**

Mr. Pacino said that when he makes a motion that any cost incurred will be deducted from the payment to the Town of Reading. This commission has the right to do anything it wants to relative to the payment to the town, the below the line payment. In the motion it will state that any costs incurred by the Department will be deducted from the payment to the town. Mr. Pacino does not want to lessen the reliability nor have customers pay for this. It is unfair for the customers to pay for this especially where sixty percent customers are outside of Reading.

Chairman Talbot said that since this occurred we had many inquiries from the town that necessitated us to go to legal and staff hours to pull this information together. Chairman Talbot asked how many hours does he estimate that they will bill based on questions raised vis-a-vie Article 14 and Selectmen inquires relative to RMLD trucks, as he wants to give the public a sense of the cost. Mr. Pollart answered he is not sure of the collective total costs, but could check and report the amount back. Chairman Talbot said that approximately five figures for a truck that is worth a few grand or a few hundred dollars resulted in legal fees of five figures and staff hours. There is a point where we have to move on. Mr. Stempeck said that it is time to move on. Chairman Talbot thanked Mr. Merry for his input.

Mr. O'Rourke said that when these issues come up, whether it is to the RMLD Board or the Finance Committee, it would be easier to work together to resolve problems. He is a Town Meeting member as well as Mr. Pacino and it is a process that works. Our job should be to solve problems not to be brought before Town Meeting to be resolved if they can be fixed otherwise.

Mr. Kelley said that he would be interested in the cost. It may have opened questions of what else, and it snowballed. Having an understanding of where the policy was and where it is going helps understand that people are watching it.

Mr. Pacino made a motion seconded by Mr. O'Rourke that should Town Meeting under Article 14 vote to instruct the Finance Committee to investigate the RMLD that any costs incurred by the Reading Municipal Light Department in relation to this investigation are to be deducted from the payment to the Town of Reading in the current year.

**Motion carried 4:0:0.**

Mr. Pacino asked Mr. Merry to carry the message back to the town; Mr. Pacino wants the town to know what the stakes are up front. Mr. Merry replied that he will do that.

**Policy Committee - RMLD Policy 2, Revision 4 Surplus Material – Vice Chair Pacino**

Mr. Pacino reported that the Policy Committee met at 6:30 pm this evening to review the revised Surplus Material policy. The Policy Committee reviewed the changes to the policy and approved it with one additional change. The only other change made in the last line of the policy was changed from "The General Manager shall make such reports as required by the RMLD Board of Commissioners" to "The General Manager shall make such reports monthly to the RMLD Board of Commissioners."

Mr. Stempeck added that some of the changes to the latest revision of the policy that at the higher level independent agencies will perform the valuation of the surplus and use such sites as eBay or whichever is appropriate. The surplus will be offered to the towns, but will not be free. Employees, Board members or their families or family members will not be allowed to bid on surplus. Chairman Talbot stated that the policy will now include better marketing on surplus material to garner pricing and prohibiting employees from bidding. Chairman Talbot said that the policy also went through legal review. Mr. Pacino stated that anyone who made a comment relative to the policy, their comments were incorporated into the final policy. Mr. Stempeck said that there will be an independent value assessment performed on the trucks as opposed to conjecture, rumors and inflated value estimates on rusty old trucks. Mr. Pacino commented that the trucks should be looked at before they are valued. Mr. O'Rourke said that there is categorization of the surplus in the policy now by scrap and valued at certain level of dollars which provides for additional guidance and oversight.

Mr. Stempeck made a motion seconded by Mr. O'Rourke that based on the recommendation of the RMLD Board of Commissioners Policy Committee that the RMLD Board of Commissioners approve RMLD Surplus Material, Policy 2, Revision 4 be adopted with the change in IX. To read "The General Manager shall make such reports monthly to the RMLD Board of Commissioners."

**Motion carried 4:0:0.**

Chairman Talbot said that he received an e-mail from John Arena suggesting that we should harmonize our disposal policy with the town. If there is a way to improve this we are open to this. Mr. O'Rourke commented that based on the circumstances there is a high degree of urgency in order to approve this current policy in order that the RMLD can operate.



**Report of the Chairman (Attachment 1)**

**Policy Committee - RMLD Policy 2, Revision 4 Surplus Material – Vice Chair Pacino**

Chairman Talbot said that administratively for the past several months, the disposal of surplus material has been frozen, but there are transformers that have toxic materials that need to be disposed of.

**Town of Reading – Charter Review – Vice Chair Pacino**

**An update will be provided on the status of where the Charter Review Committee is in the process.**

Mr. Pacino said that there are discussions relative to further changes to the RMLD's section of the Charter. Mr. Pacino reported that Rubin and Rudman's legal opinion on the Charter has been shared with the Charter Review Committee. There is concern on the committee that the existing Charter as written conflicts with Chapter 164 as found in Rubin and Rudman's opinion. Mr. Pacino referred to the rewrite July 29, 2014 presented by Bill Brown who is a member of this committee. Basically, he asks the committee if it would be appropriate to present this to the RMLD Board to get their comments. There is also a September 10, 2014 update presented by Bill Brown as well. There is some sentiment in the Charter Committee which can be contentious the provisions in the Charter are not appropriate particularly the adoption of 30B. If you adopt 30B, the purchase of power will be negatively impacted because the bidding can only be available for an hour time frame. Mr. Pacino pointed out that the rewrite provided by Mr. Brown dated July 29, 2014 is to bring the language more in alignment with Chapter 164. Mr. Pacino said that the Charter revisions will be presented at a January 2015 Town Meeting. Mr. Pacino is seeking the Board's input.

Mr. Stempeck said that the rewrite of July 29, 2014 is excellent and this is consistent of what we have under Chapter 164. That is what we should be doing because it aligns with state law. Mr. Pacino said that he likes the July 29, 2014 rewrite. Giving reports is very important, to meet with the Finance Committee and reporting to Town Meeting November is something we should do. Just request us to speak and we will. It has been that case in the twenty eight years he has served on the commission.

Chairman Talbot asked if Ms. O'Brien would be comfortable with the rewrite of July 29 since she had to leave unexpectedly and he wants to confirm this. Mr. Pacino explained that under the present Charter, the commission appoints the Accountant. Under the Charter the Department has to use the town's auditor. These two items conflict with Chapter 164. The July 29 revision reflects that these two items be omitted (the appointment of the Accountant and use of town's auditor). Mr. Pollart stated that he did not have substantive comments on the July 29, 2014 rewrite, as the language artfully addresses items identified in his memorandum. Chairman Talbot said that it is the sense of the Board this is the language as well as Ms. O'Brien, Mr. Jaffari agreed. Mr. Pollart said that he had the following changes: the Department of Public Utilities should be added to replace the Department of Telecommunications and Energy and that as a legal point the third paragraph under Chapter 164 Section 56, the manager has the right to approve power contracts, historically that has not been done in the past, it has been brought forward to the Board for its approval and vote. Chairman Talbot clarified that the current language reads that the Commissioners approve all the current contracts; do we do that all the time? Ms. Parenteau responded that historically the Department brought the power contracts to the Board for their approval. Chairman Talbot asked if there were a contract with a two o'clock timeline would be bring it to the Department for approval. Ms. Parenteau responded that the Board would have this preapproved that with a vote from the commission to authorize the General Manager to finalize, authorize and sign.

Mr. O'Rourke commented that if you wanted flexibility in terms of the warrant and contracts could we say, "have the right or the ability to" in terms of power contracts to provide the flexibility on the contracts if we want to, depending on circumstances. Ms. Parenteau responded that what Mr. Pollart is saying is that Chapter 164 gives the General Manager that authority. The previous General Manager would bring power contracts to the Board for approval and this has developed into past practice. Mr. O'Rourke added that if the language stated that "may approve." Mr. Pacino said that on 3.5 on the original "the Municipal Light Board shall hire the General Manager of the municipal light department and set his duties and terms, replace the paragraph with the warrant and power supply language. Mr. Pacino said that he is unsure if we have to get into "approval of contracts" because that is covered by Chapter 164. Mr. Pacino said to remove the paragraph that reads, "the Municipal Light Board of Commissioners shall hire the general manager and approve warrants for payments of all bills, including payroll and approve all power contracts of the Municipal Light Department." that paragraph should be removed. In its place should state "The Municipal Light Board of Commissioners shall hire the General Manager of the Municipal Light Department and set his duties and terms of employment." Mr. Pacino said that the signing of the warrant and the approval of the power contracts is covered under Chapter 164. Mr. O'Rourke stated that under the current management could we have it state "her/his". Mr. Pacino explained that under the Charter his means her and there was a lot of debate on this.

Chairman Talbot asked if the paragraph removal was acceptable. Mr. Pollart replied that Mr. Pacino's solution is the cleanest solution. Chairman Talbot clarified that this would be acceptable to Ms. O'Brien. Mr. Jaffari replied yes. Mr. Pollart said that he is virtually certain and is comfortable speaking for her. Mr. O'Rourke said that setting the duties and responsibilities is something the Board should do.

**Report of the Chairman (Attachment 1)**

**Town of Reading – Charter Review – Vice Chair Pacino**

**An update will be provided on the status of where the Charter Review Committee is in the process.**

Chairman Talbot asked what happens if Chapter 164 is changed. Mr. Brown responded that he believes that any change to the state law is addressed in the Charter. Mr. Pacino added it would take quite a change. Mr. O'Rourke thanked Mr. Brown for all his efforts on the Charter review.

Mr. Stempeck made a motion seconded by Mr. O'Rourke that the RMLD Board of Commissioners to recommend the following language changes to the Town of Reading Charter Committee:

**3-5 Municipal Light Board of Commissioners**

There shall be a Municipal Light Board of Commissioners consisting of five (5) members elected for three (3) year terms so arranged that as near an equal number of terms as possible shall expire each year.

The Municipal Light Board of Commissioners shall have all the powers and duties given to cities and towns in respect to municipal lighting plants under MGL Chapter 164 and any other MGL, or special acts pertaining thereto.

The Municipal Light Board of Commissioners shall hire the General Manager of the Municipal Light Department and set his duties and terms of employment.

In accordance with Chapter 164 section 56 the General Manager shall provide that the financial condition (see page 10 February 28, 2003) of the RMLD to the Municipal Light Board of Commissioners, the Town of Reading Board of Selectmen and Department of Public Utilities. The General Manager shall provide a copy of the report to the Town of Reading Finance Committee and the Town of Reading Town Meeting for informational purpose only (see page 4). Upon request the General Manager may provide the report to any other elected or appointed committee of the other Towns serviced by the RMLD.

**Motion carried 4:0:0.**

**General Manager's Report – Ms. O'Brien - General Manager – Presented by Mr. Jaffari**

**Update on RMLD's Organizational/Reliability Studies**

Mr. Jaffari reported on RMLD's Organizational/Reliability Studies on behalf of Ms. O'Brien. Mr. Jaffari stated that this would be a status report and the Board will be voting on the studies at the RMLD Board meeting on October 2.

Mr. Jaffari provided the following update on RMLD's Organizational/Reliability Studies:

RMLD's mission is to provide excellent customer service including competitively priced electricity (still amongst the lowest in the state) as a result of diligence in the areas of power supply risk management, system reliability and flexibility and overall business efficiency. Strategic markers were identified and included in the Request for Proposal for the said studies; some of the key scope targets:

- Develop a 20 year Long Term System and Reliability Plan to include a roadmap which identifies and prioritizes system upgrades, time lines and cost estimates.
- Develop a long term Organizational Study that integrates RMLD Division qualified staffing levels and skill sets to maximize the efficiency of the utility to meet present and future trends of the electric industry.
- Develop and maintain a fully accurate, functional and operational GIS system that can assist in modeling, outage management, projecting load growth and sufficient substation capacity for maximizing system reliability and flexibility.
- Seek opportunities for growth in business revenue, including generation development and/or ownership, expansion of fiber loop networking, etc.
- Enhance customer information systems to enable customer response for a mutual benefit of load management and associated cost savings.
- Maximize system reliability through predictive and preventative maintenance.
- Support facilitation of economic development and proactively implement marketing strategies to keep rates stable.

The Organizational Study would identify key trends and benchmarks over a 20 year horizon for what RMLD should be delivering to its customers. Recommendations on organizational structure, work processes, staffing levels, salary ranges, career development and Succession Plan, Performance appraisal system and physical space. The resource plan will include staffing requirements, budget, any outside resources, criteria for success, detailed work plan and any policies and challenges uncovered.



**General Manager's Report – Ms. O'Brien - General Manager – Presented by Mr. Jaffari  
Update on RMLD's Organizational/Reliability Studies**

The Reliability Plan addresses all issues as they relate to the system reliability, system loss reduction, adequate substation capacity/feeder, system revenue opportunities including fiber loop assessment, safety and performance optimization. It includes an assessment of the overall system, physical plant, facilities and engineering, etc. Future trends of the electric industry are key when undertaking the study. Identification, prioritization and general cost estimates over a 20 year period focusing on improved reliability, quality and service. The study will consider and address anticipated policy and challenges/barriers that may be encountered.

The Request for Proposal (RFP) was written to have either one professional firm provide both studies and two firms performing one each with integration. An evaluation team was formed to evaluate the proposals based on the firm's qualifications including years of experience, staffing, demonstrated studies with proven efficiency improvements, communication and scheduling commitments, ability to meet scope, and interviews. The result of the evaluation showed two firms highly advantageous; one to perform the Organizational Study and one to perform the Reliability Study.

A memo for recommendation to award the Organizational Study to Leidos, LLC and the Reliability Study to Booth and Associates has been provided to the Board. A vote to accept the contracts will be on the October 2, 2014 agenda. A kick off meeting from the firms to the Board prior to work commencing will be scheduled for the November Board meeting.

Chairman Talbot said that for the future of the RMLD extremely important matters need to be discussed. What the RMLD can be doing in the future is to obtain the Finance Committee's assistance. The whole model of a distribution grid is under extreme pressure with new technologies and efficiencies that produce declining sales, customers putting in their own generation, photovoltaics and other technologies. There are many things coming in the pipeline in the next decade to twenty years. The timeline for the study is twenty years. Chairman Talbot said that he wants to know in 2034 it may be a completely different company because we will not be making it by solely buying electricity from somewhere else and selling it. Transmission costs are going up. We need to return to our roots and generate electricity. Photovoltaics are a way to do this and the RMLD perhaps could be doing this. One of the roles of the study is how we are going to achieve some innovative and newer ideas, thinking outside the box for the long term operation of the RMLD.

Mr. Stempeck said that the real issue is that the RMLD contributes a lot of money to the outside communities as well as to the Town of Reading. The demand for electricity has lowered based on efficiencies and other factors, we need to find a mechanism to substitute in order to keep the revenue flowing. Solicitations for solar panels are currently being sent to homeowners for free with the electricity for free as well which does not help the RMLD. Chairman Talbot said that it is good for society, but bad for RMLD's business model. Chairman Talbot said that currently the RMLD does not have control over the system peak, money is lost, and intelligence needs to be put into the grid. Chairman Talbot said Ms. O'Brien and Mr. Jaffari are great engineers. Chairman Talbot added that the RMLD has a thirty mile fiber optic loop running through the four towns which could provide revenue which could be targeted for schools and businesses for data.

Mr. Merry pointed out that there was a Financial Forum last week and a few coming up in the future. If he would like to, Chairman Talbot could attend these forums to share those ideas. Chairman Talbot added that if the consultants can speak to the Finance Committee how these ideas could integrate. Mr. Pacino added that these ideas would be shared with all the towns RMLD serves. Chairman Talbot was in agreement. Chairman Talbot said that it is worth exploring how the towns get its data.

Mr. Jaffari pointed out that he has been an integral part of many of these studies. The study will bear out cost savings measures, and provide a roadmap for the utility to save customers money. To have a roadmap will eliminate redundancies and unnecessary expenditures; it will bring the focus on areas that are required. It will be great for all four communities. He is looking forward to this and working with the consultants. The electrical industry is changing and moving toward demand side management, distributive management, and energy efficiency programs. The price of gas is going up, as the cost of electricity nationwide, the only way to save is focusing on efficiency measures. Mr. O'Rourke said that this is good because it is reinventing the business model.

On another matter, Chairman Talbot asked Mr. Jaffari on the transformer upgrades. Chairman Talbot said that the RMLD has somewhat old inefficient transformers throughout the system and many have been able to remain beyond their service life. They are less efficient than new transformers and when they fail sometimes oil leaks out.

Chairman Talbot asked Mr. Jaffari to provide the costs of the oil spill related expenses. Mr. Jaffari stated that the RMLD has spent \$45,000 and anticipates that the cost to reach \$100,000 to \$150,000 for cleanup. Mr. Jaffari said that a transformer inspection program has been implemented. For the padmount transformers and overhead transformers which RMLD has approximately 3,300 system wide and approximately 30% or 1,000 need to be changed out. Chairman Talbot added these should have been changed out a long time ago. Mr. Jaffari agreed and these are being corrected and now have seven proactive plans in place. One is transformer inspection and replacement. Within the past six months twenty two have been replaced. All will be replaced eventually.

**General Manager's Report – Ms. O'Brien - General Manager – Presented by Mr. Jaffari  
Update on RMLD's Organizational/Reliability Studies**

Chairman Talbot commented that in the past, lack of maintenance has caused transformers to fail, representing a \$100,000 expenditure. Newer transformers are five percent more efficient. That is five percent less electricity the RMLD has to purchase. Chairman Talbot said these types of changes are occurring within the organization with the new management.

**Public Comment**

Mr. Pacino said that he is unsure if we will see Mr. Soli again. Mr. Pacino stated that he would like to thank him for his service. Mr. Pacino said that Mr. Soli and he had their differences of opinion many times, but Mr. Soli was always his own man and informed. Mr. Pacino commented that Mr. Soli brought good things to the Board. The commission members thanked Mr. Soli for his service.

Mr. O'Rourke added that the little time he spent with Mr. Soli he always had the ratepayers' interest. Chairman Talbot added that he advocated the senior citizens and customer who had modest means.

On another matter, Mr. Brown pointed out that the airport in Hyannis one side of it is lined with solar panels. Mr. Brown confirmed with Mr. Pacino that he will be providing the Board's change for the Charter Committee. Mr. Pacino agreed to do so.

**General Discussion**

There was none.

**RMLD Board Meetings**

**Thursday, October 2, 2014**

**Thursday, November 13, 2014**

**Executive Session**

At 8:37 pm Mr. Stempeck made a motion seconded by Mr. O'Rourke that the Board go into Executive Session to discuss mediation and union negotiations update, to discuss the deployment of security devices or strategies with respect thereto; and return to Regular Session for the sole purpose of adjournment.

**Chairman Talbot called for a poll of the vote:**

Mr. Pacino, Aye; Chairman Talbot, Aye; Mr. Stempeck, Aye; and Mr. O'Rourke, Aye.

**Motion carried 4:0:0.**

**Adjournment**

At 9:15 pm Mr. Stempeck made a motion seconded by Mr. O'Rourke to adjourn the Regular Session.

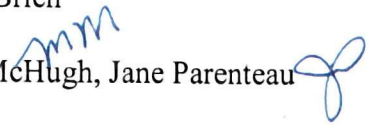
**Motion carried 4:0:0.**

A true copy of the RMLD Board of Commissioners minutes  
as approved by a majority of the Commission.

John Stempeck, Secretary Pro Tem  
RMLD Board of Commissioners

POWER SUPPLY REPORT  
BOARD REFERENCE TAB B



To: Coleen O'Brien  
 From: Maureen McHugh, Jane Parenteau   
 Date: January 9, 2015  
 Subject: Purchase Power Summary – November, 2014

Energy Services Division (ESD) has completed the Purchase Power Summary for the month of November, 2014.

**ENERGY**

The RMLD's total metered load for the month was 54,338.151 kWh, which is a 1.39% decrease from the November, 2013 figures.

Table 1 is a breakdown by source of the energy purchases.

**Table 1**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy	Total \$ Costs	\$ as a %
Millstone #3	1,513,983	\$6.41	2.78%	\$9,707	0.41%
Seabrook	5,707,687	\$6.69	10.50%	\$38,162	1.61%
Stonybrook Intermediate	0	\$0.00	0.00%	\$10,338	0.44%
JP Morgan	7,019,380	\$61.09	12.91%	\$428,823	18.06%
NextEra	6,976,000	\$53.22	12.83%	\$371,277	15.63%
NYPA	2,381,622	\$4.92	4.38%	\$11,718	0.49%
ISO Interchange	11,288,177	\$54.84	20.76%	\$619,025	26.06%
NEMA Congestion	0	\$0.00	0.00%	-\$97,629	-4.11%
Coop Resales	19,676	\$211.71	0.04%	\$4,166	0.18%
BP Energy	8,115,880	\$48.27	14.93%	\$391,753	16.49%
Summit Hydro/Collins/Pioneer	1,206,043	\$72.00	2.22%	\$86,831	3.66%
Braintree Watson Unit	184,069	\$111.56	0.34%	\$20,535	0.86%
Swift River Projects	1,270,853	\$103.99	2.34%	\$132,161	5.56%
Exelon	8,668,880	\$39.76	15.94%	\$344,656	14.51%
Stonybrook Peaking	16,003	\$217.22	0.03%	\$3,476	0.15%
Monthly Total	54,368,253	\$43.68	100.00%	\$2,374,999	100.00%



Table 2 breaks down the ISO interchange between the DA LMP Settlement and the RT Net Energy for the month of November, 2014.

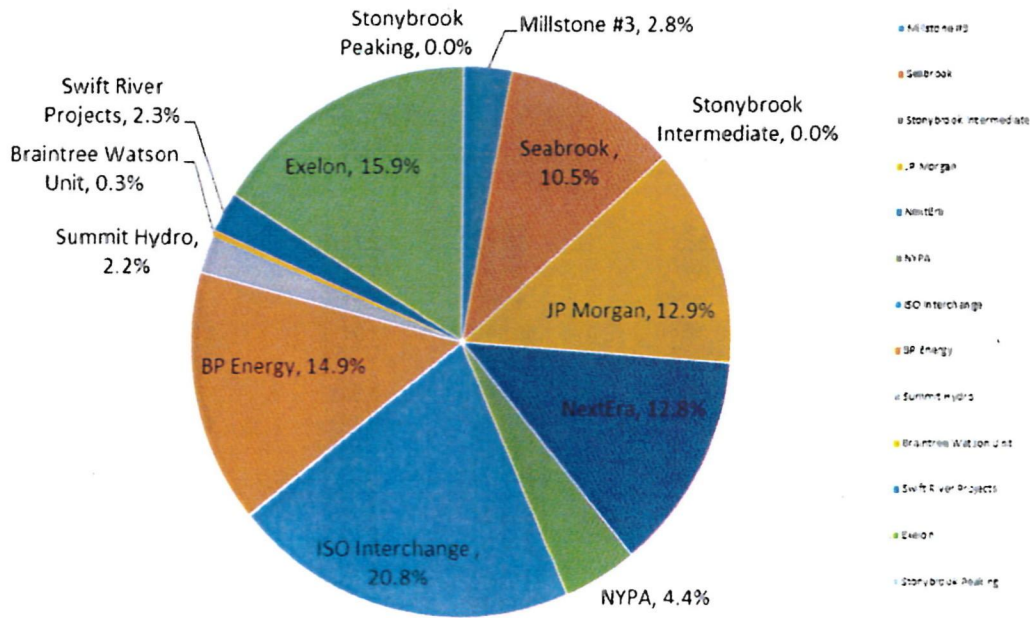
**Table 2**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP * Settlement	12,164,811	54.82	22.37%
RT Net Energy ** Settlement	-876,633	43.64	-1.61%
ISO Interchange (subtotal)	11,288,177	54.84	20.76%

\* Independent System Operator Day-Ahead Locational Marginal Price

\*\* Real Time Net Energy

**NOVEMBER 2014 ENERGY BY RESOURCE**





## CAPACITY

The RMLD hit a demand of 99,937 kW, which occurred on November 26, at 6 pm. The RMLD's monthly UCAP requirement for November, 2014 was 209,161 kW.

Table 3 shows the sources of capacity that the RMLD utilized to meet its requirements.

**Table 3**

Source	Amount (kWs)	Cost (\$/kW-month)	Total Cost \$	% of Total Cost
Millstone #3	4,950	42.81	\$211,894	14.92%
Seabrook	7,919	41.71	\$330,262	23.26%
Stonybrook Peaking	24,981	1.98	\$49,551	3.49%
Stonybrook CC	42,925	3.54	\$152,041	10.71%
NYPA	4,019	4.19	\$16,834	1.19%
Hydro Quebec	4,673	5.02	\$23,439	1.65%
Nextera	60,000	5.65	\$339,000	23.87%
Braintree Watson Unit	10,520	11.33	\$119,192	8.39%
ISO-NE Supply Auction	49,174	3.62	\$177,871	12.53%
<b>Total</b>	<b>209,161</b>	<b>\$6.79</b>	<b>\$1,420,085</b>	<b>100.00%</b>

Table 4 shows the dollar amounts for energy and capacity per source.

**Table 4**

Resource	Energy	Capacity	Total cost	% of Total Cost	Amt of Energy (kWh)	Cost of Power (\$/kWh)
Millstone #3	\$9,707	\$211,894	\$221,601	5.84%	1,513,983	0.1464
Seabrook	\$38,162	\$330,262	\$368,424	9.71%	5,707,687	0.0645
Stonybrook Intermediate	\$10,338	\$152,041	\$162,379	4.28%	-	0.0000
Hydro Quebec	\$0	\$23,439	\$23,439	0.62%	-	0.0000
JP Morgan	\$428,823	\$0	\$428,823	11.30%	7,019,380	0.0611
NextEra	\$371,277	\$339,000	\$710,277	18.72%	6,976,000	0.1018
* NYPA	\$11,718	\$16,834	\$28,551	0.75%	2,381,622	0.0120
ISO Interchange	\$619,025	\$177,871	\$796,896	21.00%	11,288,177	0.0706
Nema Congestion	-\$97,629	\$0	-\$97,629	-2.57%	-	0.0000
BP Energy	\$391,753	\$0	\$391,753	10.32%	8,115,880	0.0483
* Summit Hydro/Collins/Pioneer	\$86,831	\$0	\$86,831	2.29%	1,206,043	0.0720
Braintree Watson Unit	\$20,535	\$119,192	\$139,728	3.68%	184,069	0.7591
* Swift River Projects	\$132,161	\$0	\$132,161	3.48%	1,270,853	0.1040
Coop Resales	\$4,166	\$0	\$4,166	0.11%	19,676	0.2117
Constellation Energy	\$344,656	\$0	\$344,656	9.08%	8,668,880	0.0398
Stonybrook Peaking	\$3,476	\$49,551	\$53,027	1.40%	16,003	3.3136
Monthly Total	\$2,374,999	\$1,420,085	\$3,795,084	100.00%	54,368,253	0.0698
* Renewable Resources					<b>8.94%</b>	

## RENEWABLE ENERGY CERTIFICATES (RECs)

Table 5 shows the amount of banked and projected RECs for the Swift River Hydro Projects through November 2014, as well as their estimated market value.

**Table 5**  
**Swift River RECs Summary**  
**Period - January 2014 - November 2014**

	<b>Banked RECs</b>	<b>Projected RECs</b>	<b>Total RECs</b>	<b>Est. Dollars</b>
Woronoco	3,613	643	4,256	\$204,288
Pepperell	3,179	2,165	5,344	\$256,512
Indian River	1,711	1,104	2,815	\$135,120
Turners Falls	1,389	324	1,713	\$0
RECs Sold			0	\$0
<b>Grand Total</b>	<b>9,892</b>	<b>4,236</b>	<b>14,128</b>	<b>\$595,920</b>

## TRANSMISSION

The RMLD's total transmission costs for the month of November, 2014 were \$716,111. This is a decrease of 42.66% from the October transmission cost of \$1,248,904. In November, 2013 the transmission costs were \$678,034.

**Table 6**

	<b>Current Month</b>	<b>Last Month</b>	<b>Last Year</b>
Peak Demand (kW)	99,937	99,181	102,274
Energy (kWh)	54,368,253	54,494,499	55,217,486
Energy (\$)	\$2,374,999	\$2,290,434	\$1,738,646
Capacity (\$)	\$1,420,085	\$1,261,207	\$1,805,123
Transmission(\$)	\$716,111	\$1,248,904	\$678,034
Total	\$4,511,195	\$4,800,544	\$4,221,803

**ENERGY EFFICIENCY**

Table 7 shows the comprehensive results from the Energy Conservation program. The amount of savings is broken down by both demand and energy for the Commercial and Residential sectors.

Table 7		Total \$		Total \$		Total \$					
Commercial	Year	Capacity Saved (kWh)	Energy Saved (kWh)	Capacity	\$/kW	Energy	\$/kWh	Rebate	Rebate/kWh	Rebate/kW	Cost Benefit
Total to date	FY07-14	16,169	63,959,276	\$ 1,561,065		3,543,375		\$ 1,732,385	\$ 0.03	\$ 107.14	\$ 3,372,054
Current	FY15	119	247,246	\$ 16,353	\$11.45	14,835	\$ 0.06	\$ 87,381	\$ 0.35	\$ 734.17	\$ (56,193)
<b>Residential</b>											
Total to date	FY07-14	2,609	2,252,774	\$ 257,422		117,229		\$ 718,531	\$ 0.32	\$ 275.42	\$ (343,881)
Current	FY15	70	60,862	\$ 9,606	\$11.45	3,652	\$ 0.06	\$ 60,065	\$ 0.99	\$ 859.14	\$ (46,807)
<b>Total</b>											
Total to date	FY07-14	18,778	66,212,049	\$ 1,818,487		3,660,603		\$ 2,475,916	\$ 0.04	\$ 131.85	\$ 3,003,174
Current	FY15	189	308,108	\$ 25,959	\$11.45	18,486	\$ 0.06	\$ 147,446	\$ 0.48	\$ 780.42	\$ (103,000)

Table 8 shows the breakdown for residential appliance rebates by type and year.

Table 8		Washing Machine		Refrigerator		Dishwasher		Dehumidifier		Central A/C		Window A/C		Thermostat		Audits		Renewable		Air Source Heat Pump		HP Water Heater		Fan		
Year	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars
2007																										
2008	86	\$ 4,300	47	\$ 2,350	55	\$ 2,750	7	\$ 175	17	\$ 1,700	10	\$ 250	23	\$ 230	107	\$ 14,940										
2009	406	\$ 20,300	259	\$ 12,950	235	\$ 11,750	40	\$ 1,000	41	\$ 4,100	50	\$ 1,250	114	\$ 1,140	107	\$ 14,940										
2010	519	\$ 25,950	371	\$ 18,550	382	\$ 19,100	37	\$ 925	64	\$ 6,400	49	\$ 1,225	127	\$ 1,270	64	\$ 8,960	6	\$ 20,700								
2011	425	\$ 21,250	383	\$ 19,150	313	\$ 15,650	47	\$ 1,175	57	\$ 5,700	65	\$ 1,625	118	\$ 1,180	180	\$ 26,960	4	\$ 18,000								
2012	339	\$ 16,950	354	\$ 17,700	289	\$ 14,450	38	\$ 950	44	\$ 4,400	56	\$ 1,400	105	\$ 1,050	219	\$ 32,731	3	\$ 14,000								
2013	285	\$ 14,250	336	\$ 16,800	311	\$ 15,550	29	\$ 725	24	\$ 2,400	54	\$ 1,350	57	\$ 570	375	\$ 75,000	3	\$ 15,000								
2014	322	\$ 16,100	333	\$ 16,650	298	\$ 14,900	27	\$ 675	38	\$ 3,800	76	\$ 1,900	83	\$ 1,245	363	\$ 72,600	4	\$ 17,250								
2015	78	\$ 3,900	93	\$ 4,650	92	\$ 4,600	13	\$ 325	14	\$ 1,400	25	\$ 625	13	\$ 195	151	\$ 30,200	4	\$ 13,000								
Total	2460	\$ 123,000	2176	\$ 108,800	1975	\$ 98,750	238	\$ 5,950	299	\$ 29,900	385	\$ 9,625	640	\$ 6,880	1566	\$ 276,331	24	\$ 97,950	48	\$ 4,800	25	\$ 6,250	17	\$ 170		



To: Coleen O'Brien  
 From: Maureen McHugh, Jane Parenteau  
 Date: January 23, 2015  
 Subject: Purchase Power Summary – December, 2014

Energy Services Division (ESD) has completed the Purchase Power Summary for the month of December, 2014.

**ENERGY**

The RMLD's total metered load for the month was 58,967.647 kWh, which is a 3.1% decrease from the December, 2013 figures.

Table 1 is a breakdown by source of the energy purchases.

**Table 1**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy	Total \$ Costs	\$ as a %
Millstone #3	3,711,348	\$6.70	6.30%	\$24,877	0.90%
Seabrook	5,893,754	\$6.69	10.00%	\$39,406	1.43%
Stonybrook Intermediate	331,653	\$148.50	0.56%	\$49,249	1.79%
JP Morgan	7,509,400	\$61.85	12.74%	\$464,460	16.86%
NextEra	9,864,200	\$62.57	16.74%	\$617,166	22.41%
NYPA	2,546,599	\$4.92	4.32%	\$12,529	0.45%
ISO Interchange	5,757,961	\$26.32	9.77%	\$151,551	5.50%
NEMA Congestion	0	\$0.00	0.00%	-\$7,084	-0.26%
Coop Resales	4,216	\$201.94	0.01%	\$851	0.03%
BP Energy	9,159,800	\$48.27	15.54%	\$442,144	16.05%
Summit Hydro/Collins/Pioneer	3,131,200	\$72.39	5.31%	\$226,654	8.23%
Braintree Watson Unit	501,340	\$85.85	0.85%	\$43,041	1.56%
Swift River Projects	2,697,998	\$100.77	4.58%	\$271,867	9.87%
Exelon	7,717,800	\$51.91	13.09%	\$400,658	14.55%
Stonybrook Peaking	115,067	\$146.38	0.20%	\$16,843	0.61%
Monthly Total	58,942,336	\$46.73	100.00%	\$2,754,213	100.00%



Table 2 breaks down the ISO interchange between the DA LMP Settlement and the RT Net Energy for the month of December, 2014.

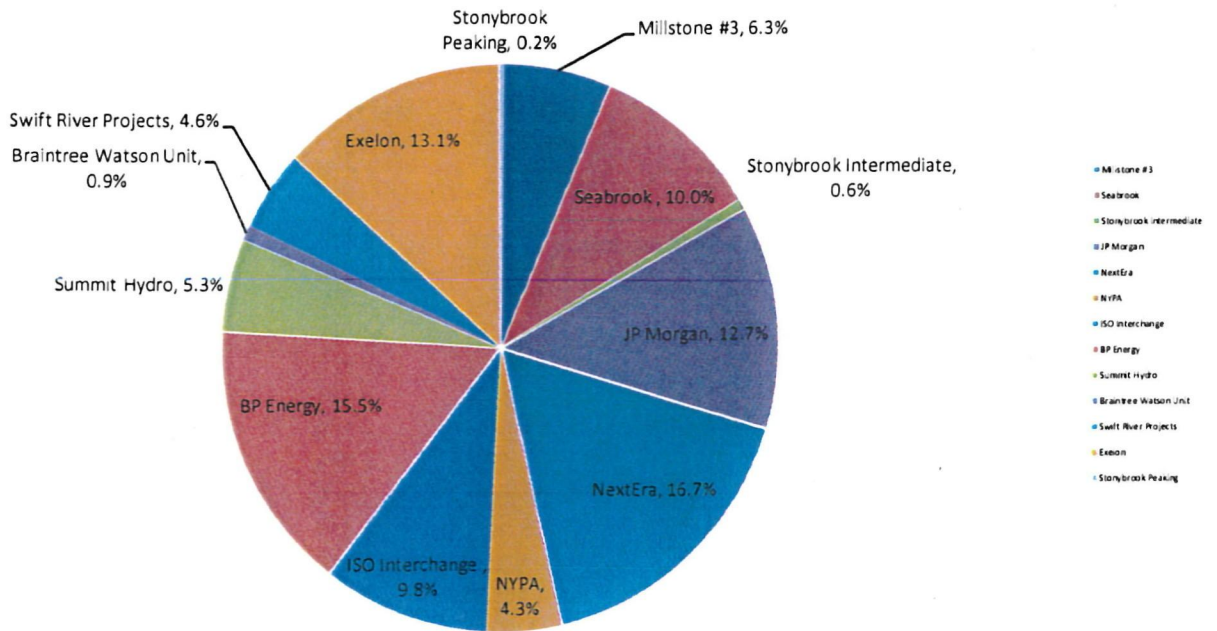
**Table 2**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP * Settlement	-2,095,215	-0.99	-3.55%
RT Net Energy ** Settlement	7,853,176	19.56	13.32%
ISO Interchange (subtotal)	5,757,961	26.32	9.77%

\* Independent System Operator Day-Ahead Locational Marginal Price

\*\* Real Time Net Energy

**DECEMBER 2014 ENERGY BY RESOURCE**



## CAPACITY

The RMLD hit a demand of 109,529 kW, which occurred on December 8, at 6 pm. The RMLD's monthly UCAP requirement for December, 2014 was 209,812 kW.

Table 3 shows the sources of capacity that the RMLD utilized to meet its requirements.

**Table 3**

Source	Amount (kW)	Cost (\$/kW-month)	Total Cost \$	% of Total Cost
Millstone #3	4,950	42.95	\$212,625	15.02%
Seabrook	7,919	41.71	\$330,280	23.33%
Stonybrook Peaking	24,981	1.94	\$48,517	3.43%
Stonybrook CC	42,925	3.50	\$150,426	10.63%
NYPA	4,019	4.19	\$16,834	1.19%
Hydro Quebec	4,673	3.92	\$18,319	1.29%
Nextera	60,000	5.65	\$339,000	23.95%
Braintree Watson Unit	10,520	11.17	\$117,516	8.30%
ISO-NE Supply Auction	49,825	3.66	\$182,192	12.87%
<b>Total</b>	<b>209,812</b>	<b>\$6.75</b>	<b>\$1,415,709</b>	<b>100.00%</b>

Table 4 shows the dollar amounts for energy and capacity per source.

**Table 4**

Resource	Energy	Capacity	Total cost	% of Total Cost	Amt of Energy (kWh)	Cost of Power (\$/kWh)
Millstone #3	\$24,877	\$212,625	\$237,502	5.70%	3,711,348	0.0640
Seabrook	\$39,406	\$330,280	\$369,686	8.87%	5,893,754	0.0627
Stonybrook Intermediate	\$49,249	\$150,426	\$199,675	4.79%	331,653	0.6021
Hydro Quebec	\$0	\$18,319	\$18,319	0.44%	-	0.0000
JP Morgan	\$464,460	\$0	\$464,460	11.14%	7,509,400	0.0619
NextEra	\$617,166	\$339,000	\$956,166	22.93%	9,864,200	0.0969
* NYPA	\$12,529	\$16,834	\$29,363	0.70%	2,546,599	0.0115
ISO Interchange	\$151,551	\$182,192	\$333,742	8.00%	5,757,961	0.0580
Nema Congestion	-\$7,084	\$0	-\$7,084	-0.17%	-	0.0000
BP Energy	\$442,144	\$0	\$442,144	10.60%	9,159,800	0.0483
* Summit Hydro/Collins/Pioneer	\$226,654	\$0	\$226,654	5.44%	3,131,200	0.0724
Braintree Watson Unit	\$43,041	\$117,516	\$160,557	3.85%	501,340	0.3203
* Swift River Projects	\$271,867	\$0	\$271,867	6.52%	2,697,998	0.1008
Coop Resales	\$851	\$0	\$851	0.02%	4,216	0.2019
Constellation Energy	\$400,658	\$0	\$400,658	9.61%	7,717,800	0.0519
Stonybrook Peaking	\$16,843	\$48,517	\$65,361	1.57%	115,067	0.5680
<b>Monthly Total</b>	<b>\$2,754,213</b>	<b>\$1,415,709</b>	<b>\$4,169,922</b>	<b>100.00%</b>	<b>58,942,336</b>	<b>0.0707</b>
<b>* Renewable Resources</b>					<b>14.21%</b>	

## RENEWABLE ENERGY CERTIFICATES (RECs)

Table 5 shows the amount of banked and projected RECs for the Swift River Hydro Projects through December 2014, as well as their estimated market value.

**Table 5**  
**Swift River RECs Summary**  
**Period - January 2014 - December 2014**

	<b>Banked RECs</b>	<b>Projected RECs</b>	<b>Total RECs</b>	<b>Est. Dollars</b>
<b>Woronoco</b>	3,613	1,241	4,854	\$232,992
<b>Pepperell</b>	4,521	1,828	6,349	\$304,752
<b>Indian River</b>	2,349	981	3,330	\$159,840
<b>Turners Falls</b>	1,609	371	1,980	\$0
<b>RECs Sold</b>			0	\$0
<b>Grand Total</b>	12,092	4,421	16,513	\$697,584

## TRANSMISSION

The RMLD's total transmission costs for the month of December, 2014 were \$812,385. This is an increase of 13% from the November transmission cost of \$716,111. In December, 2013 the transmission costs were \$792,851.

**Table 6**

	<b>Current Month</b>	<b>Last Month</b>	<b>Last Year</b>
<b>Peak Demand (kW)</b>	109,529	99,937	115,912
<b>Energy (kWh)</b>	58,942,336	54,368,253	60,851,135
<b>Energy (\$)</b>	\$2,754,213	\$2,374,999	\$3,666,453
<b>Capacity (\$)</b>	\$1,415,709	\$1,420,085	\$1,497,443
<b>Transmission(\$)</b>	\$812,385	\$716,111	\$792,851
<b>Total</b>	\$4,982,307	\$4,511,195	\$5,956,748



**ENERGY EFFICIENCY**

Table 7 shows the comprehensive results from the Energy Conservation program. The amount of savings is broken down by both demand and energy for the Commercial and Residential sectors.

Table 7		Total \$		Total		Total \$		Total \$		Total \$		Total \$	
Commercial	Year	Capacity Saved (kW)	Energy Saved (kwh)	Capacity	\$/kW	Energy	\$/kWh	Rebate	Rebate/kWh	Rebate/kW	Cost Benefit	Rebate/kWh	Cost Benefit
Total to date	FY07-14	16,169	63,959,276	\$ 1,561,065		3,543,375		\$ 1,732,385	\$ 0.03	\$ 107.14	\$ 3,372,054		
Current	FY15	239	608,439	\$ 32,889	\$11.45	36,506	\$ 0.06	\$ 159,090	\$ 0.26	\$ 664.63	\$ (89,694)		
<b>Residential</b>													
Total to date	FY07-14	2,609	2,252,774	\$ 257,422		117,229		\$ 718,531	\$ 0.32	\$ 275.42	\$ (343,881)		
Current	FY15	156	98,607	\$ 21,450	\$11.45	5,916	\$ 0.06	\$ 73,260	\$ 0.74	\$ 469.28	\$ (45,894)		
<b>Total</b>													
Total to date	FY07-14	18,778	66,212,049	\$ 1,818,487		3,660,603		\$ 2,475,916	\$ 0.04	\$ 131.85	\$ 3,003,174		
Current	FY15	395	707,046	\$ 54,339	\$11.45	42,423	\$ 0.06	\$ 232,350	\$ 0.33	\$ 587.52	\$ (135,588)		

Table 8 shows the breakdown for residential appliance rebates by type and year.

Table 8		Washing Machine		Refrigerator		Dishwasher		Dehumidifier		Central A/C		Window A/C		Thermostat		Audits		Renewable		Air Source Heat Pump		HP Water Heater		Fan		
Year	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars
2007																										
2008	86	\$ 4,300	47	\$ 2,350	55	\$ 2,750	7	\$ 175	17	\$ 1,700	10	\$ 250	23	\$ 230	107	\$ 14,940										
2009	406	\$ 20,300	259	\$ 12,950	235	\$ 11,750	40	\$ 1,000	41	\$ 4,100	50	\$ 1,250	114	\$ 1,140	107	\$ 14,940										
2010	519	\$ 25,950	371	\$ 18,550	382	\$ 19,100	37	\$ 925	64	\$ 6,400	49	\$ 1,225	127	\$ 1,270	64	\$ 8,960	6	\$ 20,700								
2011	425	\$ 21,250	383	\$ 19,150	313	\$ 15,650	47	\$ 1,175	57	\$ 5,700	65	\$ 1,625	118	\$ 1,180	180	\$ 26,960	4	\$ 18,000								
2012	339	\$ 16,950	354	\$ 17,700	289	\$ 14,450	38	\$ 950	44	\$ 4,400	56	\$ 1,400	105	\$ 1,050	219	\$ 32,731	3	\$ 14,000								
2013	285	\$ 14,250	336	\$ 16,800	311	\$ 15,550	29	\$ 725	24	\$ 2,400	54	\$ 1,350	57	\$ 570	375	\$ 75,000	3	\$ 15,000	3	\$ 15,000	19	\$ 1,900	4	\$ 1,000	5	\$ 50
2014	322	\$ 16,100	333	\$ 16,650	298	\$ 14,900	27	\$ 675	38	\$ 3,800	76	\$ 1,900	83	\$ 1,245	363	\$ 72,600	4	\$ 17,250	4	\$ 20,000	20	\$ 2,000	11	\$ 2,750	7	\$ 70
2015	120	\$ 6,000	142	\$ 7,100	134	\$ 6,700	17	\$ 425	20	\$ 2,000	27	\$ 675	26	\$ 390	151	\$ 30,200	6	\$ 17,000	6	\$ 15,000	15	\$ 1,500	5	\$ 1,250	2	\$ 20
Total	2502	\$ 125,100	2225	\$ 111,250	2017	\$ 100,850	242	\$ 6,050	305	\$ 30,500	387	\$ 9,675	653	\$ 7,075	1566	\$ 276,331	26	\$ 101,950	54	\$ 5,400	29	\$ 7,250	17	\$ 170		



ENGINEERING AND OPERATIONS  
REPORT  
BOARD REFERENCE TAB C



READING MUNICIPAL LIGHT DEPARTMENT  
 FY 15 CAPITAL BUDGET VARIANCE REPORT  
 FOR PERIOD ENDING NOVEMBER 30, 2014

PROJ	DESCRIPTION	TOWN	ACTUAL COST NOV	YTD ADDITIONS	ANNUAL BUDGET	REMAINING BALANCE
<b>CONSTRUCTION:</b>						
101	5W9 Reconductoring - Ballardvale Area	W		9,862	253,000	243,138
102	Pole Line Upgrade Lowell Street	W	13,006	13,006	173,000	159,994
104	Upgrade Old Lynnfield Center URDs (Cook's Farm)	LC	22,929	22,929	217,000	194,071
105	4W5 - 4W6 Tie	R			70,000	70,000
106	URD Upgrades	ALL	3,611	43,121	319,000	275,879
107	Step-down Area Upgrades	ALL	4,793	23,310	203,000	179,690
212	Force Account West Street	R			224,000	224,000
	<b>SUB-TOTAL</b>		<b>44,338</b>	<b>112,228</b>	<b>1,459,000</b>	<b>1,346,772</b>
<b>STATION UPGRADES:</b>						
108	Relay Replacement Project - Gaw Station #4	R			50,000	50,000
* 110	Station 3 - Replacement of Service Cutouts	NR	1,481	2,192		
130	Remote Terminal Unit (RTU) Replacement - Station 3	NR			85,000	85,000
	<b>SUB-TOTAL</b>		<b>1,481</b>	<b>2,192</b>	<b>135,000</b>	<b>135,000</b>
<b>NEW CUSTOMER SERVICES:</b>						
112	New Service Installations (Commercial / Industrial)	ALL	2,271	11,946	57,000	45,054
113	New Service Installations (Residential)	ALL	7,022	65,186	260,000	194,814
	<b>SUB-TOTAL</b>		<b>9,294</b>	<b>77,132</b>	<b>317,000</b>	<b>239,868</b>
<b>ROUTINE CONSTRUCTION:</b>						
114	Routine Construction	ALL	<b>118,460</b>	<b>827,520</b>	<b>947,000</b>	<b>119,481</b>
<b>SPECIAL PROJECTS / CAPITAL PURCHASES:</b>						
103	Distribution Protection and Automation	ALL			69,000	69,000
116	Transformers and Capacitors	ALL			444,000	444,000
117	Meter Purchases (including "500 Club")	ALL		44,671	127,000	82,329
122	Engineering Analysis Software and Data Conversion	ALL			55,000	55,000
125	GIS	ALL			150,000	150,000
126	Communication Equipment (Fiber Optic)	ALL			30,000	30,000
* 131	LED Street Light Pilot Program	ALL		26,250	37,000	10,751
132	Outage Management Software and Integration	ALL			85,000	85,000
133	Predictive Asset Management Program	ALL			80,000	80,000
134	Substation Test Equipment	ALL			121,000	121,000
135	Arc Flash Study	ALL			35,000	35,000
137	SCADA System Upgrade - Hardware	ALL		20,332	63,000	42,668
	<b>SUB-TOTAL</b>		<b>-</b>	<b>91,253</b>	<b>1,296,000</b>	<b>1,204,748</b>
<b>OTHER CAPITAL PROJECTS:</b>						
118	Rolling Stock Replacement	ALL			434,000	434,000
119	Security Upgrades All Sites	ALL		1,458	61,000	59,542
120	Great Plains / Cogsdale Upgrade	ALL	32,500	32,500	350,000	317,500
121	HVAC System Upgrade - 230 Ash Street	R			399,000	399,000
123	Oil Containment Facility Construction	LC	6,028	11,168	80,000	68,832
127	Hardware Upgrades	ALL	2,544	16,881	102,000	85,119
128	Software and Licensing	ALL		15,926	122,000	106,074
129	Master Facilities Site Plan	R			50,000	50,000
136	Organizational / Reliability Studies	ALL			100,000	100,000
	<b>SUB-TOTAL</b>		<b>41,071</b>	<b>77,933</b>	<b>1,698,000</b>	<b>1,620,067</b>
<b>TOTAL CAPITAL BUDGET</b>			<b>\$ 214,643</b>	<b>\$ 1,188,257</b>	<b>\$ 5,852,000</b>	<b>\$ 4,665,934</b>

\* completed project





# READING MUNICIPAL LIGHT DEPARTMENT

## Engineering and Operations Monthly Report

November 2014

### CAPITAL IMPROVEMENTS

<b>Construction Projects:</b>		<b>% Complete FY14-15 Status</b>	<b>Month</b>	<b>YTD</b>
102	Pole Line Upgrade- Lowell Street, Wilmington Engineering plans completed. Construction has begun (as of 1/14/15).	10%	\$13,006	\$13,006
104	Upgrade Old Lynnfield Center URDs – Cook’s Farm All manholes installed. Construction stopped for winter (as of 1/14/15).	25%	\$22,929	\$22,929
106	URD Upgrades – All Towns: • Gillis Drive, North Reading	On- going	\$3,611	\$43,121
107	Step-down Area Upgrades – All Towns: • Vine Street Area, Reading	On- going	\$4,793	\$23,310
<b>New Customer Service Connections:</b>				
112	Service Installations – Commercial/Industrial: • Main Street, North Reading	On- going	\$2,271	\$11,946
113	Service Installations – Residential: This item includes new or upgraded overhead and underground services.	On- going	\$7,022	\$65,186
<b>Special Projects/Capital Purchases:</b>				
110	Station 3 Replacement of Service Cutouts	100%	\$1,481	\$2,192

<b>Routine Construction:</b>	<b>Nov</b>	<b>YTD</b>
Pole Setting/Transfers	54,186	150,515
Overhead/Underground	26,126	267,095
Projects Assigned as Required <ul style="list-style-type: none"> <li>• Eames Street, Wilmington (new building)</li> <li>• Haverhill Street, Reading (pole relocations)</li> <li>• Main Street, Reading (MF Charles Building)</li> </ul>	7,517	185,359
Pole Damage/Knockdowns <ul style="list-style-type: none"> <li>• Work was done to repair or replace two (2) damaged poles.</li> </ul>	852	21,217
Station Group	960	24,165
Hazmat/Oil Spills	0	3,831
Porcelain Cutout Replacement Program	310	4,426
Lighting (Street Light Connections)	3,619	8,813
Storm Trouble	3,202	32,526
Underground Subdivisions (new construction) <ul style="list-style-type: none"> <li>• Mariano Drive, Reading</li> <li>• Railroad Avenue, North Reading</li> <li>• Cheyenne Estates, Wilmington</li> </ul>	7,192	39,014
Animal Guard Installation	1,027	3,807
Miscellaneous Capital Costs	13,468	86,752
<b>TOTAL:</b>	<b><u>\$ 118,460</u></b>	<b><u>\$ 827,521</u></b>

## MAINTENANCE PROGRAMS

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### Aged/Overloaded Transformer Replacement through 11/30/14

#### Padmount:

Single-Phase: 11.04% replaced (of those over 20 years old)

Three-Phase: 6.41% replaced (of those over 20 years old)

#### Overhead:

Single-Phase: 8.31% replaced (of those over 20 years old)

Three-Phase: 2.22% replaced (of those over 20 years old)

---

### Pole Testing System-wide (600-1,000 poles/year)

Year-one inspection complete: 645 poles tested (~10%)

- 390 silver tag (PASSED)
- 233 red tag (FAILED): **21 have been replaced (as of 1/22/14)**
- 22 double red tag (CONDEMNED): **22 have been replaced**

**14 of 43 transfers have been completed (as of 1/22/14)**

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### 13.8kV/35kV Feeders – Quarterly Inspections

5W8, 5W9, 5W4, 5W5, 4W7, 4W23, 3W8, 3W18, 3W6, 3W13, 3W5, 3W15, 4W5, 4W6, 4W13, 4W10, 4W12, 4W16

Miscellaneous branches and vines were found and removed.

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### Manhole Inspections

*Pending.*

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### Porcelain Cutout Replacements (with Polymer)

As of November 2014, there are 317 remaining porcelain cutouts to be replaced. 88% complete.

---

### Substations:

#### Infared Scanning (Monthly)

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Station 3      Scanning complete through November – no hot spots found

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Station 4      Scanning complete through November – no hot spots found

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Station 5      Scanning complete through November – no hot spots found

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#### Substation Maintenance Program

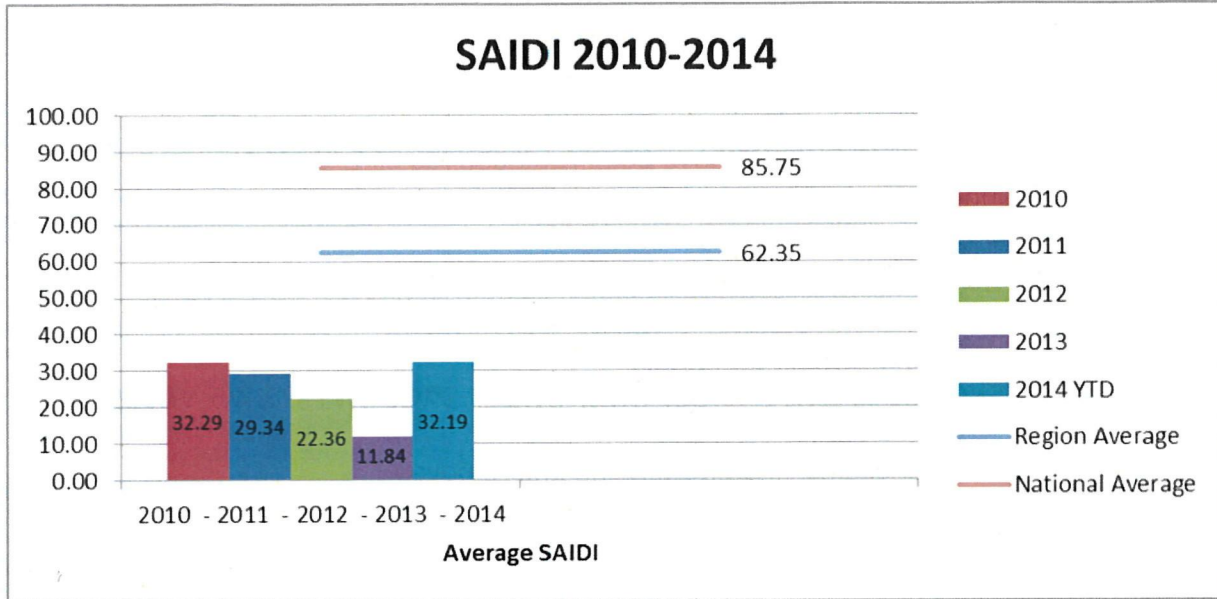
- *Inspection of all three stations by UPG in progress. 95% complete (as of 1/14/14).*
-

## SYSTEM RELIABILITY

Key industry standard metrics have been identified to enable the RMLD to measure and track system reliability.

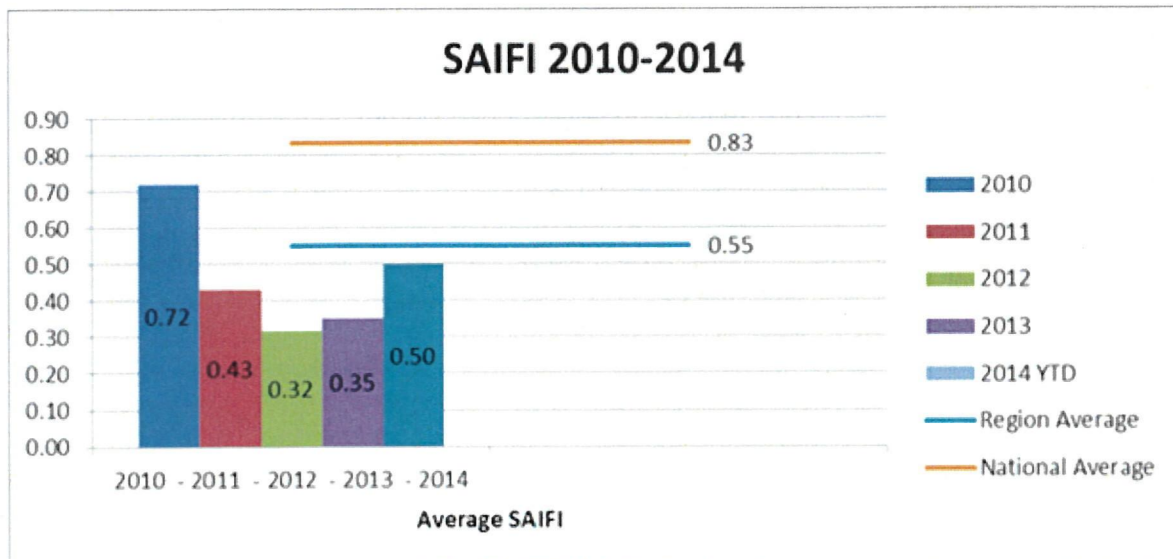
**SAIDI (System Average Interruption Duration Index)** is defined as the average interruption duration (in minutes) for customers served by the utility system during a specific time period.

SAIDI = the sum of all customer interruption durations within the specified time frame ÷ by the average number of customers served during that period.



**SAIFI (System Average Interruption Frequency)** is defined as the average number of instances a customer on the utility system will experience an interruption during a specific time period.

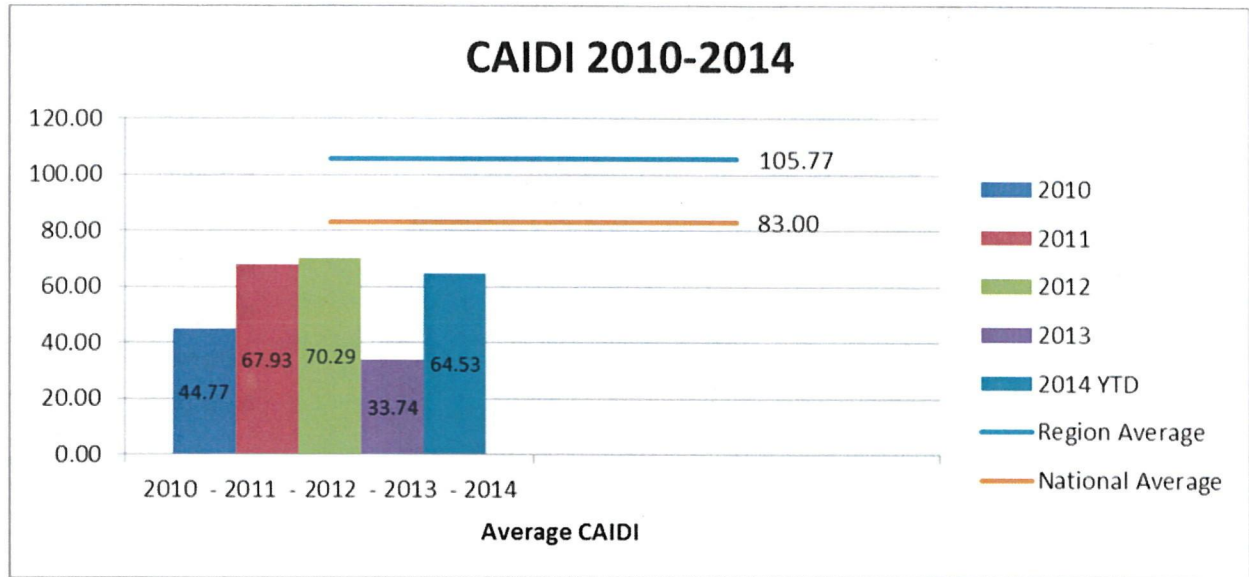
SAIFI = the total number of customer interruptions ÷ average number of customers served during that period.





**CAIDI (Customer Average Interruption Duration Index)** is defined as the average duration (in minutes) of an interruption experienced by customers during a specific time frame.

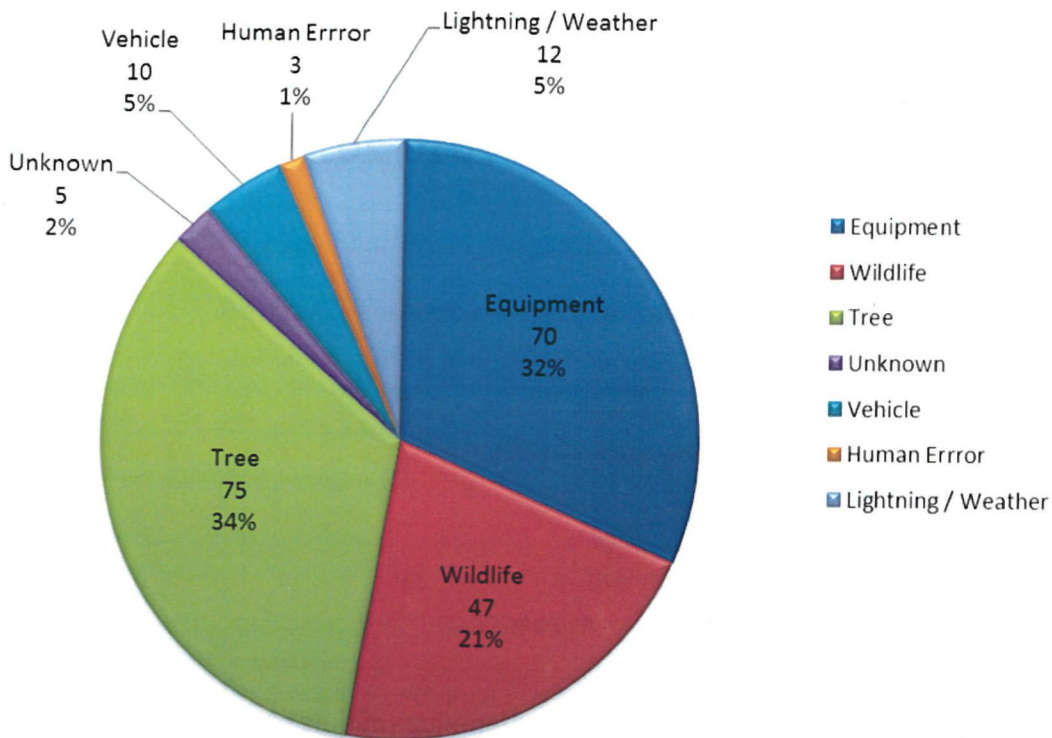
CAIDI = the sum of all customer interruption durations during that time period ÷ the number of customers that experienced one or more interruptions during that time period.



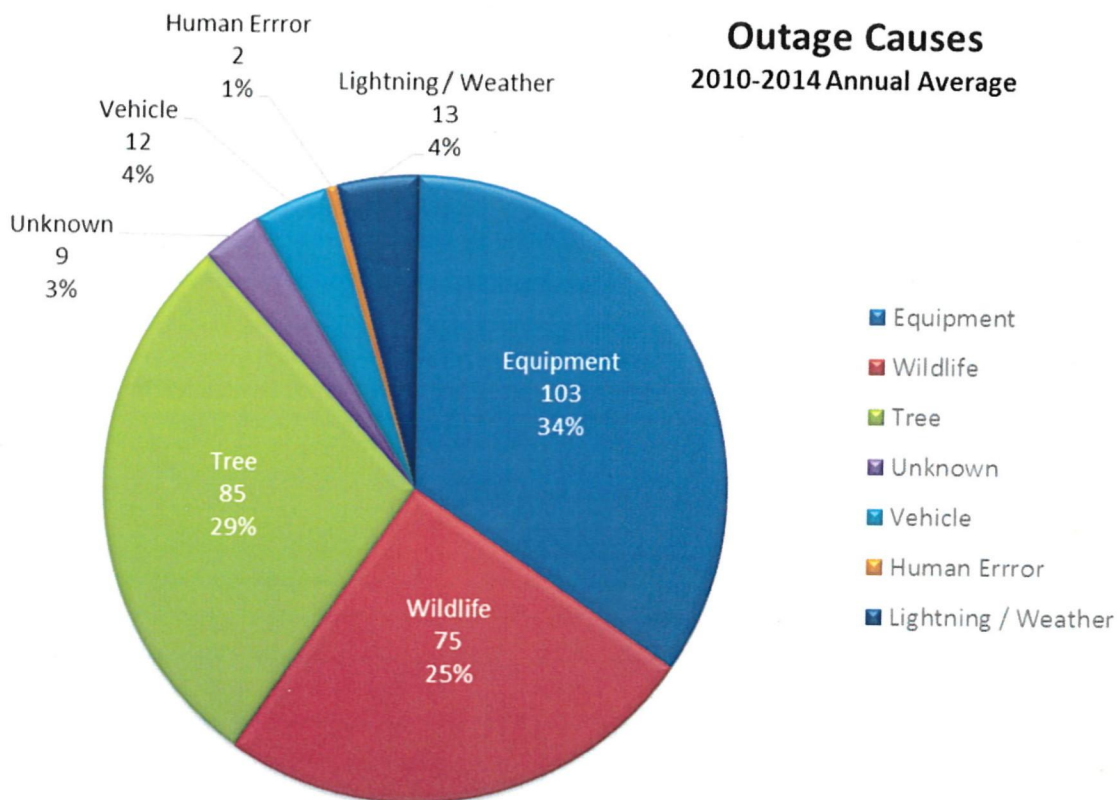
This metric reflects the average customer experience (minutes of duration) during an outage.

**Note:** Since SAIDI, SAIFI and CAIDI are sustained interruption indices; only outages lasting longer than one minute are included in the calculations.

## 2014 Outage Causes Types YTD November 30, 2014



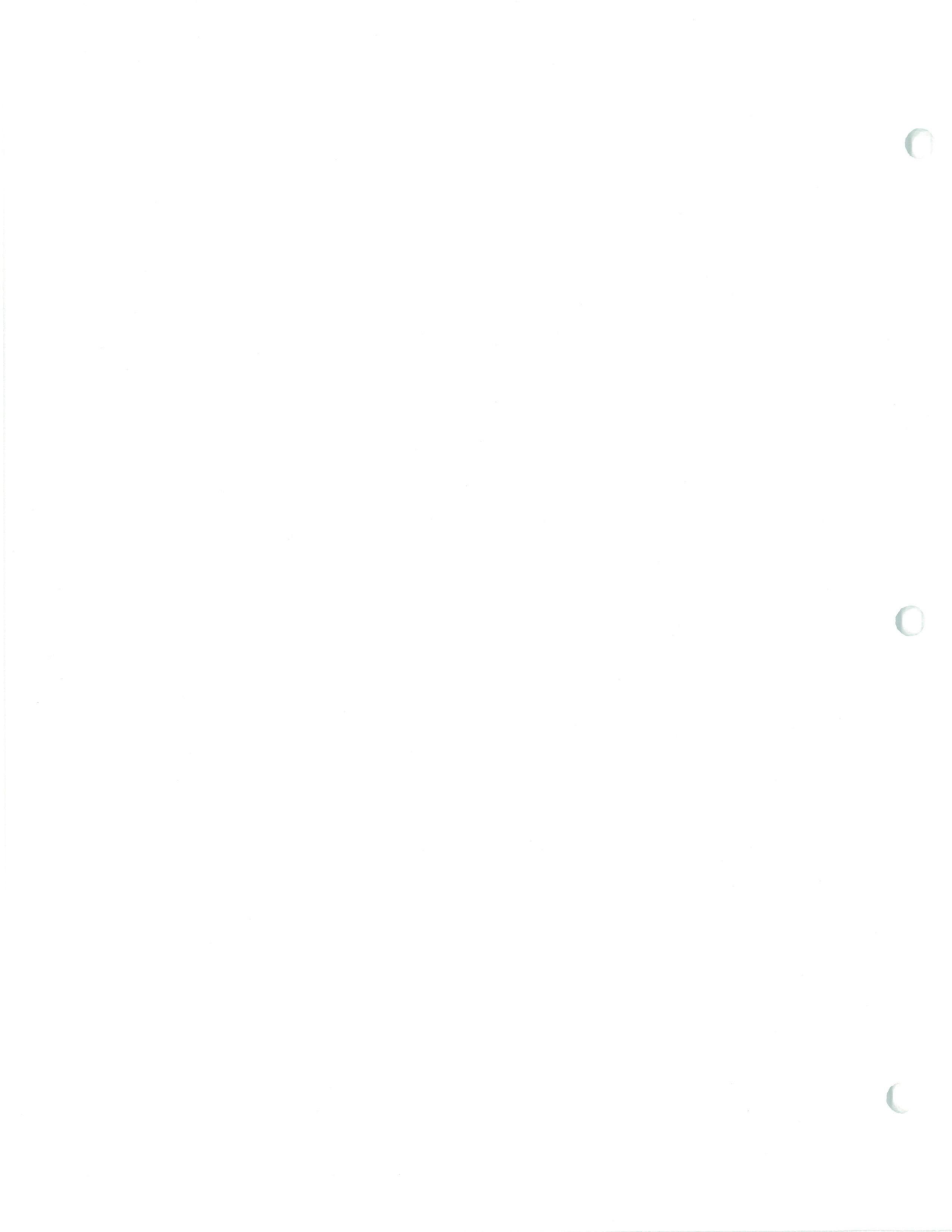
## Outage Causes 2010-2014 Annual Average



**READING MUNICIPAL LIGHT DEPARTMENT  
FY 15 CAPITAL BUDGET VARIANCE REPORT  
FOR PERIOD ENDING DECEMBER 31, 2014**

PROJ	DESCRIPTION	TOWN	ACTUAL COST DEC	YTD ADDITIONS	ANNUAL BUDGET	REMAINING BALANCE
<b><u>CONSTRUCTION:</u></b>						
101	5W9 Reconductoring - Ballardvale Area	W		9,862	253,000	243,138
102	Pole Line Upgrade Lowell Street	W	30,621	43,628	173,000	129,373
104	Upgrade Old Lynnfield Center URDs (Cook's Farm)	LC	3,918	26,847	217,000	190,153
105	4W5 - 4W6 Tie	R			70,000	70,000
106	URD Upgrades	ALL	4,988	48,109	319,000	270,891
107	Step-down Area Upgrades	ALL	4,037	27,347	203,000	175,653
212	Force Account West Street	R			224,000	224,000
	<b>SUB-TOTAL</b>		<b>43,564</b>	<b>155,793</b>	<b>1,459,000</b>	<b>1,303,207</b>
<b><u>STATION UPGRADES:</u></b>						
108	Relay Replacement Project - Gaw Station #4	R			50,000	50,000
* 110	Station 3 - Replacement of Service Cutouts	NR		2,192		
130	Remote Terminal Unit (RTU) Replacement - Station 3	NR			85,000	85,000
	<b>SUB-TOTAL</b>		<b>-</b>	<b>2,192</b>	<b>135,000</b>	<b>135,000</b>
<b><u>NEW CUSTOMER SERVICES:</u></b>						
112	New Service Installations (Commercial / Industrial)	ALL	519	12,465	57,000	44,535
113	New Service Installations (Residential)	ALL	12,480	77,666	260,000	182,334
	<b>SUB-TOTAL</b>		<b>12,999</b>	<b>90,131</b>	<b>317,000</b>	<b>226,869</b>
<b><u>ROUTINE CONSTRUCTION:</u></b>						
114	Routine Construction	ALL	152,863	980,383	947,000	(33,383)
<b><u>SPECIAL PROJECTS / CAPITAL PURCHASES:</u></b>						
103	Distribution Protection and Automation	ALL			69,000	69,000
116	Transformers and Capacitors	ALL			444,000	444,000
117	Meter Purchases (including "500 Club")	ALL	10,500	55,171	127,000	71,829
122	Engineering Analysis Software and Data Conversion	ALL			55,000	55,000
125	GIS	ALL			150,000	150,000
126	Communication Equipment (Fiber Optic)	ALL			30,000	30,000
* 131	LED Street Light Pilot Program	ALL		26,250	37,000	10,751
132	Outage Management Software and Integration	ALL			85,000	85,000
133	Predictive Asset Management Program	ALL			80,000	80,000
134	Substation Test Equipment	ALL			121,000	121,000
135	Arc Flash Study	ALL			35,000	35,000
137	SCADA System Upgrade - Hardware	ALL		20,332	63,000	42,668
	<b>SUB-TOTAL</b>		<b>10,500</b>	<b>101,753</b>	<b>1,296,000</b>	<b>1,194,248</b>
<b><u>OTHER CAPITAL PROJECTS:</u></b>						
118	Rolling Stock Replacement	ALL			434,000	434,000
119	Security Upgrades All Sites	ALL		1,458	61,000	59,542
120	Great Plains / Cogsdale Upgrade	ALL		32,500	350,000	317,500
121	HVAC System Upgrade - 230 Ash Street	R	10,900	10,900	399,000	388,100
123	Oil Containment Facility Construction	LC		11,168	80,000	68,832
127	Hardware Upgrades	ALL	2,506	19,387	102,000	82,613
128	Software and Licensing	ALL	12,390	28,316	122,000	93,684
129	Master Facilities Site Plan	R			50,000	50,000
136	Organizational / Reliability Studies	ALL			100,000	100,000
	<b>SUB-TOTAL</b>		<b>25,796</b>	<b>103,729</b>	<b>1,698,000</b>	<b>1,594,271</b>
<b>TOTAL CAPITAL BUDGET</b>			<b>\$ 245,722</b>	<b>\$ 1,433,980</b>	<b>\$ 5,852,000</b>	<b>\$ 4,420,212</b>

\* completed project





**READING MUNICIPAL LIGHT DEPARTMENT**

**Engineering and Operations  
Monthly Report**

**December 2014**

**CAPITAL IMPROVEMENTS**

<b>Construction Projects:</b>		<b>% Complete FY14-15 Status</b>	<b>Month</b>	<b>YTD</b>
102	Pole Line Upgrade- Lowell Street, Wilmington Engineering plans completed. Construction has begun (as of 1/14/15).	10%	\$30,621	\$43,628
104	Upgrade Old Lynnfield Center URDs – Cook's Farm All manholes installed. Construction stopped for winter (as of 1/14/15).	25%	\$3,918	\$26,847
106	URD Upgrades – All Towns: • Gillis Drive, North Reading • Stonecleave Road, North Reading	On- going	\$4,988	\$48,109
107	Step-down Area Upgrades – All Towns: • Vine Street Area, Reading	On- going	\$4,037	\$27,347
<b>New Customer Service Connections:</b>				
112	Service Installations – Commercial/Industrial: • Main Street, North Reading	On- going	\$519	\$12,465
113	Service Installations – Residential: This item includes new or upgraded overhead and underground services.	On- going	\$12,480	\$77,666
<b>Special Projects/Capital Purchases:</b>				
117	Meter Purchases		\$10,500	\$55,171

<b>Routine Construction:</b>	<b>Dec</b>	<b>YTD</b>
Pole Setting/Transfers	56,321	206,836
Overhead/Underground	16,377	283,471
Projects Assigned as Required <ul style="list-style-type: none"> <li>• Eames Street, Wilmington (new building)</li> <li>• Chestnut Street, North Reading</li> <li>• Analog Devices, Wilmington (charging station)</li> <li>• Main Street, Reading (MF Charles Building)</li> </ul>	32,974	218,333
Pole Damage/Knockdowns <ul style="list-style-type: none"> <li>• Work was done to repair or replace four (4) damaged poles.</li> </ul>	6,106	27,323
Station Group	0	24,165
Hazmat/Oil Spills	0	3,831
Porcelain Cutout Replacement Program	364	4,791
Lighting (Street Light Connections)	2,238	11,050
Storm Trouble	0	32,526
Underground Subdivisions (new construction) <ul style="list-style-type: none"> <li>• Mariano Drive, Reading</li> <li>• Rahnden Terrace, North Reading</li> </ul>	5,040	44,055
Animal Guard Installation	1,582	5,389
Miscellaneous Capital Costs	31,861	118,613
<b>TOTAL:</b>	<u>\$ 152,863</u>	<u>\$ 980,383</u>

## MAINTENANCE PROGRAMS

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### **Aged/Overloaded Transformer Replacement through 12/31/14**

#### *Padmount:*

*Single-Phase: 11.36% replaced (of those over 20 years old)*

*Three-Phase: 6.41% replaced (of those over 20 years old)*

#### *Overhead:*

*Single-Phase: 8.38% replaced (of those over 20 years old)*

*Three-Phase: 2.78% replaced (of those over 20 years old)*

---

### **Pole Testing System-wide (600-1,000 poles/year)**

Year-one inspection complete: 645 poles tested (~10%)

- 390 silver tag (PASSED)
- 233 red tag (FAILED): *21 have been replaced (as of 1/22/14)*
- 22 double red tag (CONDEMNED): *22 have been replaced*

*14 of 43 transfers have been completed (as of 1/22/14)*

---

### **13.8kV/35kV Feeders – Quarterly Inspections**

*5W8, 5W9, 5W4, 5W5, 4W7, 4W23, 3W8, 3W18, 3W6, 3W13, 3W5, 3W15, 4W5, 4W6, 4W13, 4W10, 4W12, 4W16*

*Miscellaneous branches and vines were found and removed.*

---

### **Manhole Inspections**

*Pending.*

---

### **Porcelain Cutout Replacements (with Polymer)**

As of December 2014, there are 317 remaining porcelain cutouts to be replaced. 88% complete.

---

### **Substations:**

#### **Infrared Scanning (Monthly)**

---

*Station 3* Scanning complete through December – no hot spots found

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*Station 4* Scanning complete through December – no hot spots found

---

*Station 5* Scanning complete through December – no hot spots found

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#### **Substation Maintenance Program**

- *Inspection of all three stations by UPG in progress. 95% complete (as of 1/14/14).*
-

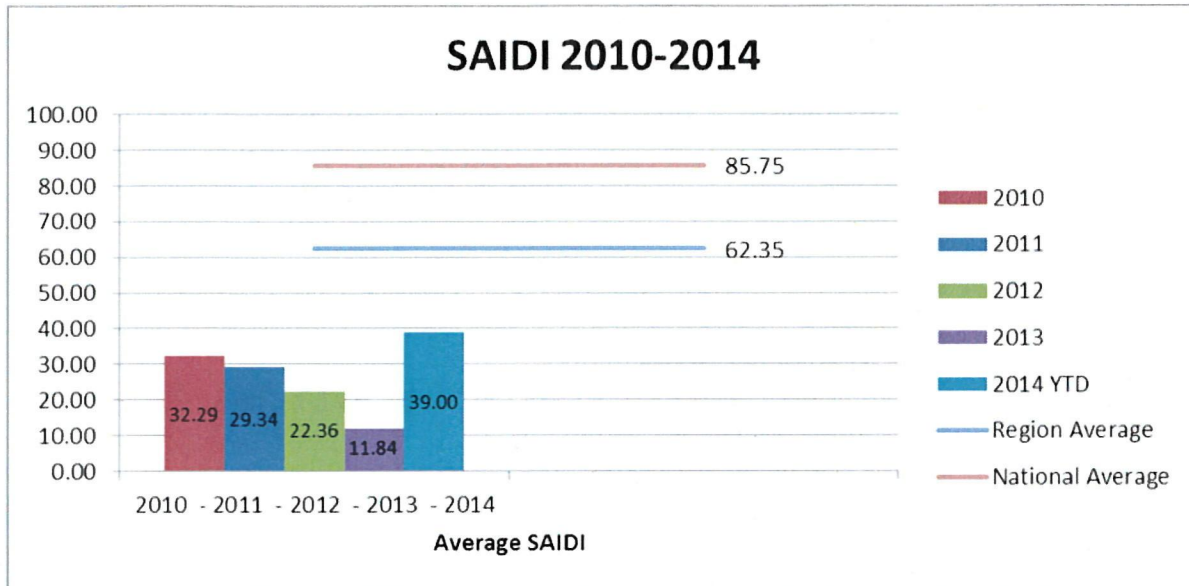


## SYSTEM RELIABILITY

Key industry standard metrics have been identified to enable the RMLD to measure and track system reliability.

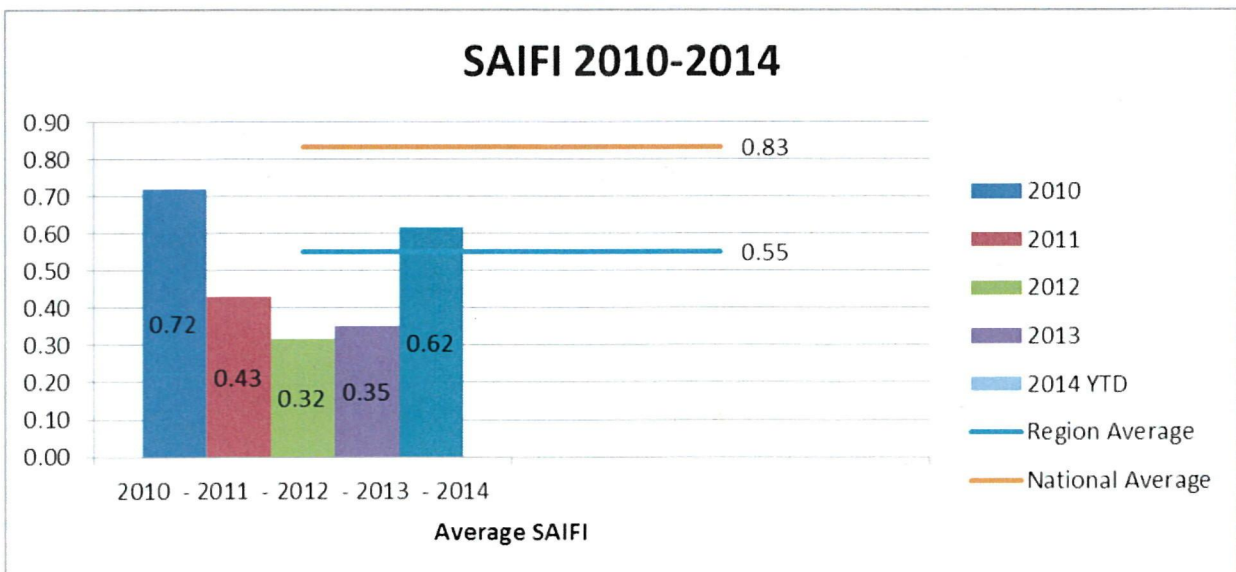
**SAIDI (System Average Interruption Duration Index)** is defined as the average interruption duration (in minutes) for customers served by the utility system during a specific time period.

SAIDI = the sum of all customer interruption durations within the specified time frame ÷ by the average number of customers served during that period.



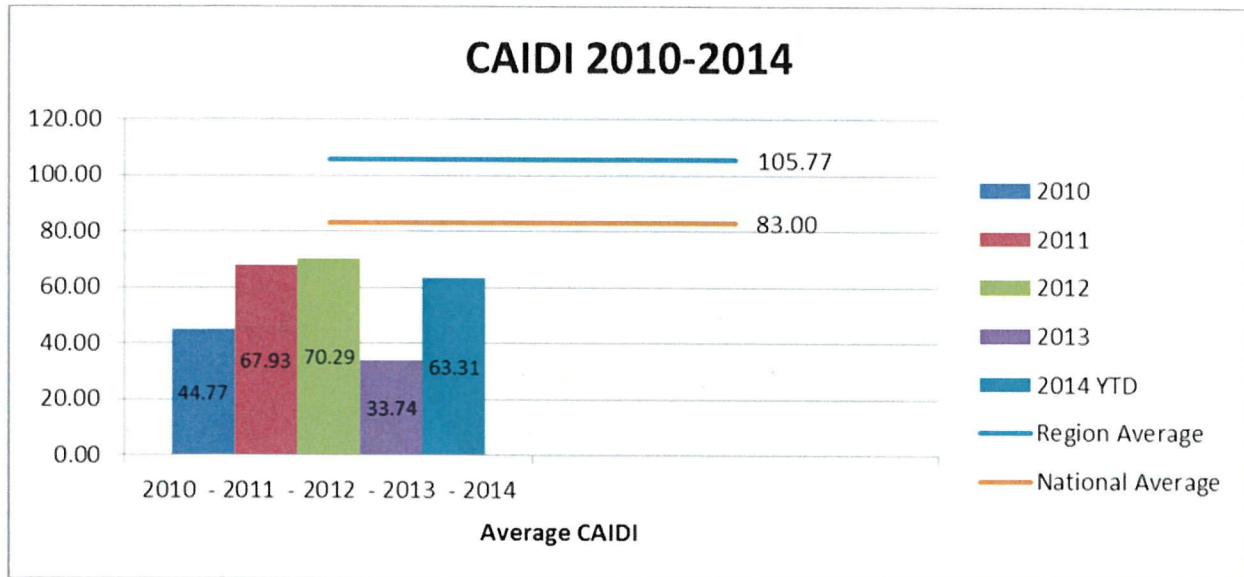
**SAIFI (System Average Interruption Frequency)** is defined as the average number of instances a customer on the utility system will experience an interruption during a specific time period.

SAIFI = the total number of customer interruptions ÷ average number of customers served during that period.



**CAIDI (Customer Average Interruption Duration Index)** is defined as the average duration (in minutes) of an interruption experienced by customers during a specific time frame.

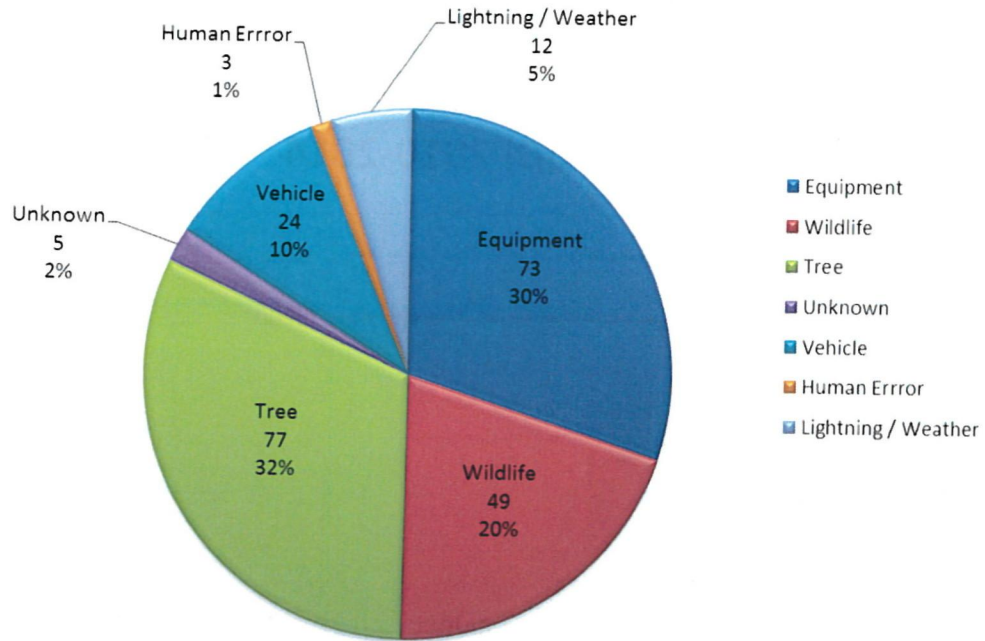
CAIDI = the sum of all customer interruption durations during that time period ÷ the number of customers that experienced one or more interruptions during that time period.



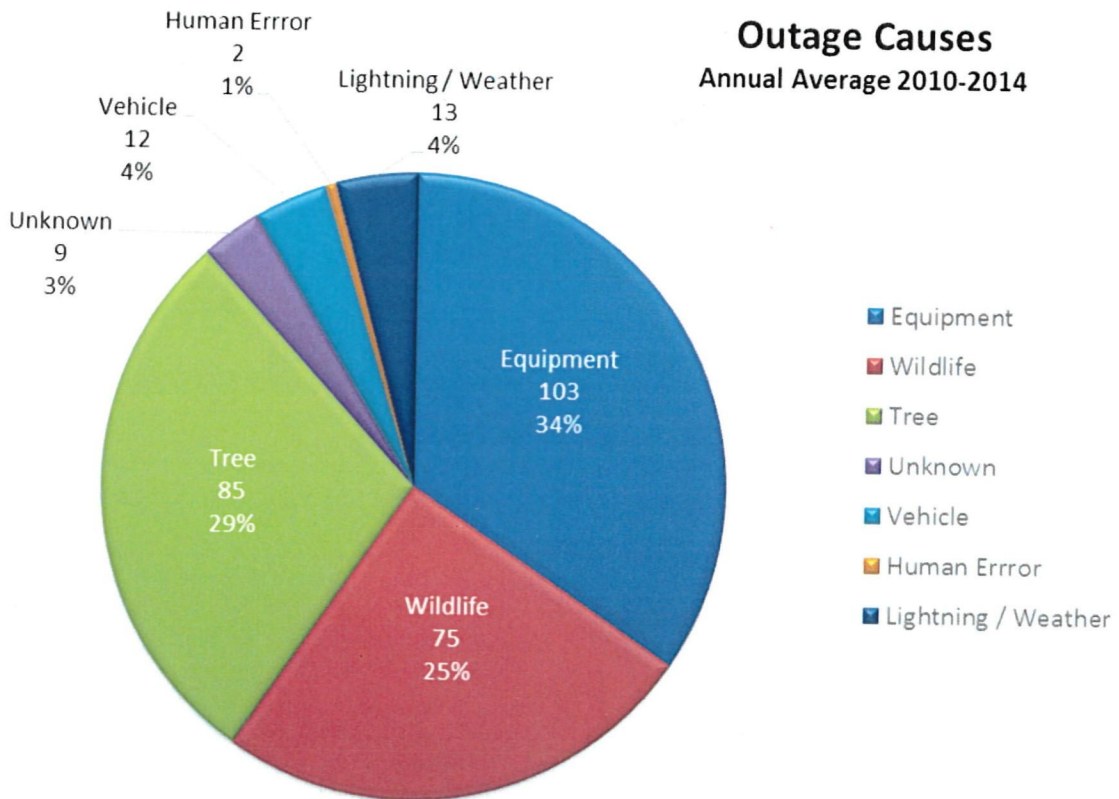
This metric reflects the average customer experience (minutes of duration) during an outage.

**Note:** Since SAIDI, SAIFI and CAIDI are sustained interruption indices; only outages lasting longer than one minute are included in the calculations.

### 2014 Outage Causes Types YTD December 31, 2014

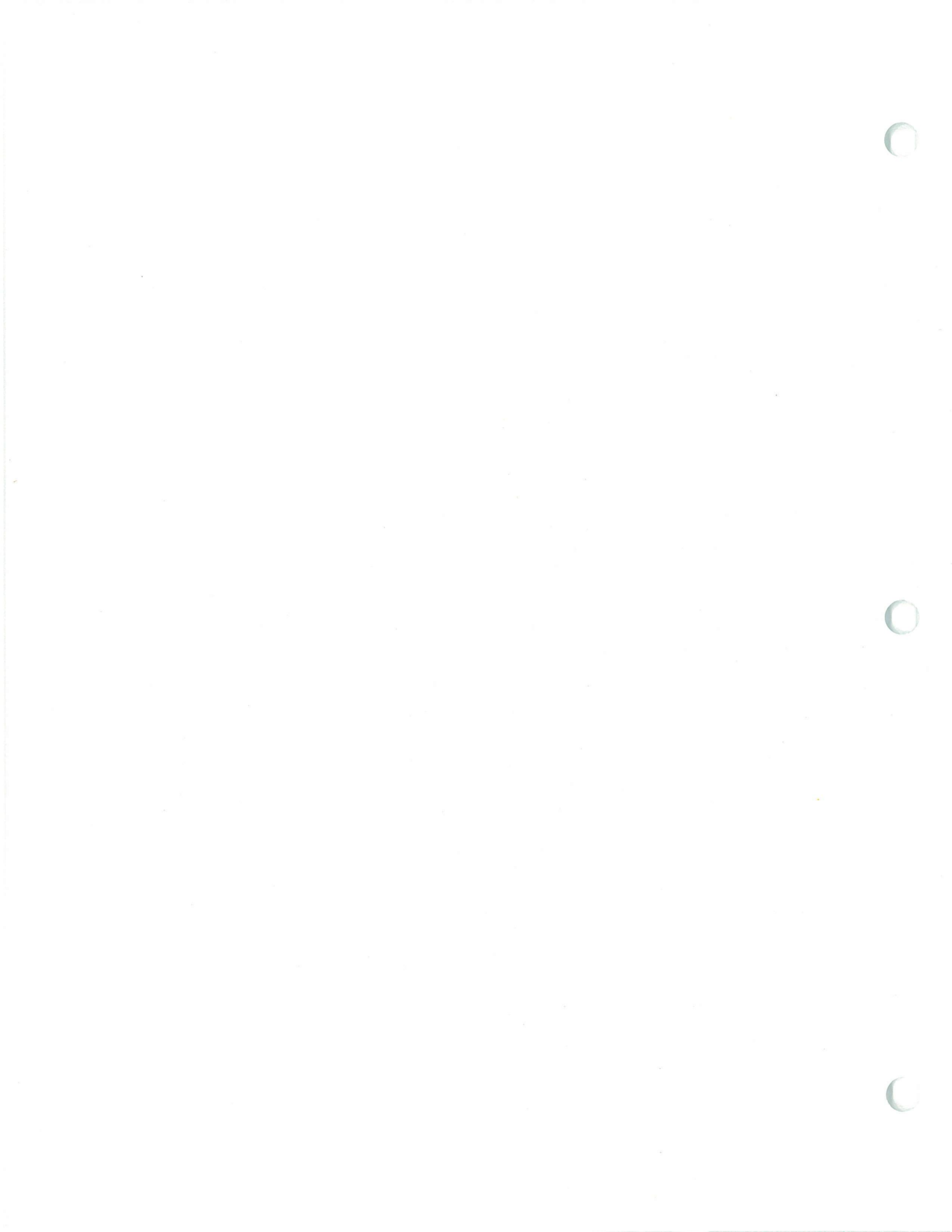


### Outage Causes Annual Average 2010-2014





**FINANCIAL REPORT  
BOARD REFERENCE TAB D**



Dt: January 22, 2015

To: RMLB, Coleen O'Brien, Jeanne Foti

Fr: Bob Fournier

**Sj: November 30, 2014 Report**

The results for the first five months ending November 30, 2014, for the fiscal year 2015 will be summarized in the following paragraphs.

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

\*For the month of November, the net income or the positive change in net assets was \$128,428, increasing the year to date net income to \$3,173,711. The year to date budgeted net income was \$4,779,357, resulting in net income being under budget by \$1,605,645 or 33.6%. Actual year to date fuel revenues exceeded fuel expenses by \$1,849,725.

**2) Revenues: (Page 3A)**

\*Year to date base revenues were under budget by \$222,176 or 2.3%. Actual base revenues were \$9.4 million compared to the budgeted amount of \$9.6 million.

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

\*Year to date purchased power base expense was over budget by \$324,836 or 2.66%. Actual purchased power base costs were 12.5 million and budgeted power base costs were \$12.2 million.

\*Year to date operating and maintenance (O&M) expenses combined were under budget by \$76,678 or 1.3%. Actual O&M expenses were \$5.8 million compared to the budgeted amount of \$5.9 million.

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

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

- \*Operating Fund was at \$10,197,816.
- \* Capital Fund balance was at \$5,560,253.
- \* Rate Stabilization Fund was at \$6,748,633.
- \* Deferred Fuel Fund was at \$5,982,419.
- \* Energy Conservation Fund was at \$570,798.

**5) General Information:**

\*Year to date kwh sales (Page 5) were 303,540,851 which is 7.4 million kwh or 2.4%, behind last year's actual figure.

**Budget Variance:**

\*Cumulatively, the five divisions were under budget by \$89,356 or 1.0%.





**FINANCIAL REPORT**

**NOVEMBER 30, 2014**

**ISSUE DATE: JANUARY 9, 2015**

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF NET ASSETS  
11/30/2014

	PREVIOUS YEAR	CURRENT YEAR
<b>ASSETS</b>		
<b>CURRENT</b>		
UNRESTRICTED CASH (SCH A P.9)	7,269,674.64	10,200,816.12
RESTRICTED CASH (SCH A P.9)	21,410,227.89	23,301,691.45
RESTRICTED INVESTMENTS (SCH A P.9)	0.00	1,292,906.26
RECEIVABLES, NET (SCH B P.10)	8,550,259.63	9,425,898.54
PREPAID EXPENSES (SCH B P.10)	815,315.76	1,117,460.35
INVENTORY	1,502,753.80	1,397,112.80
TOTAL CURRENT ASSETS	39,548,231.72	46,735,885.52
<b>NONCURRENT</b>		
INVESTMENT IN ASSOCIATED CO (SCH C P.2)	31,379.32	26,993.75
CAPITAL ASSETS, NET (SCH C P.2)	69,998,149.51	69,773,416.93
TOTAL NONCURRENT ASSETS	70,029,528.83	69,800,410.68
TOTAL ASSETS	109,577,760.55	116,536,296.20
 <b>LIABILITIES</b>		
<b>CURRENT</b>		
ACCOUNTS PAYABLE	4,951,383.73	7,177,466.39
CUSTOMER DEPOSITS	746,547.12	831,605.77
CUSTOMER ADVANCES FOR CONSTRUCTION	416,584.15	559,103.98
ACCRUED LIABILITIES	51,794.21	2,203.76
TOTAL CURRENT LIABILITIES	6,166,309.21	8,570,379.90
<b>NONCURRENT</b>		
ACCRUED EMPLOYEE COMPENSATED ABSENCES	3,132,560.84	2,918,870.73
TOTAL NONCURRENT LIABILITIES	3,132,560.84	2,918,870.73
TOTAL LIABILITIES	9,298,870.05	11,489,250.63
 <b>NET ASSETS</b>		
INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT	69,998,149.51	69,773,416.93
RESTRICTED FOR DEPRECIATION FUND (P.9)	4,310,600.30	5,560,253.19
UNRESTRICTED	25,970,140.69	29,713,375.45
TOTAL NET ASSETS (P.3)	100,278,890.50	105,047,045.57
TOTAL LIABILITIES AND NET ASSETS	109,577,760.55	116,536,296.20

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
NONCURRENT ASSET SCHEDULE  
11/30/2014

SCHEDULE C

	PREVIOUS YEAR	CURRENT YEAR
SCHEDULE OF INVESTMENTS IN ASSOCIATED COMPANIES		
NEW ENGLAND HYDRO ELECTRIC	3,261.87	2,975.74
NEW ENGLAND HYDRO TRANSMISSION	28,117.45	24,018.01
TOTAL INVESTMENTS IN ASSOCIATED COMPANIES	<u>31,379.32</u>	<u>26,993.75</u>
SCHEDULE OF CAPITAL ASSETS		
LAND	1,265,842.23	1,265,842.23
STRUCTURES AND IMPROVEMENTS	6,430,835.66	6,087,375.43
EQUIPMENT AND FURNISHINGS	12,541,436.66	12,384,966.14
INFRASTRUCTURE	<u>49,760,034.96</u>	<u>50,035,233.13</u>
TOTAL CAPITAL ASSETS, NET	<u>69,998,149.51</u>	<u>69,773,416.93</u>
TOTAL NONCURRENT ASSETS	<u>70,029,528.83</u>	<u>69,800,410.68</u>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
11/30/2014

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
<b>OPERATING REVENUES: (SCH D P.11)</b>					
BASE REVENUE	3,540,482.67	1,653,269.01	20,189,029.16	9,381,296.21	-53.53%
FUEL REVENUE	2,201,768.18	2,418,013.33	13,783,959.77	15,229,940.94	10.49%
PURCHASED POWER CAPACITY	48,520.06	2,353,985.58	135,515.61	12,705,459.98	9275.64%
FORFEITED DISCOUNTS	63,169.87	41,756.80	372,714.79	322,366.95	-13.51%
ENERGY CONSERVATION REVENUE	54,178.35	53,250.62	306,302.08	296,846.18	-3.09%
GAW REVENUE	55,067.98	0.00	310,970.38	0.00	100.00%
NYPA CREDIT	(53,708.49)	(68,098.89)	(226,970.73)	(300,263.33)	32.29%
<b>TOTAL OPERATING REVENUES</b>	<b>5,909,478.62</b>	<b>6,452,176.45</b>	<b>34,871,521.06</b>	<b>37,635,646.93</b>	<b>7.93%</b>
<b>OPERATING EXPENSES: (SCH E P.12)</b>					
PURCHASED POWER CAPACITY	1,805,123.06	1,420,085.36	7,415,673.14	6,914,503.39	-6.76%
PURCHASED POWER TRANSMISSION	679,738.69	719,062.29	5,091,139.95	5,644,927.31	10.88%
PURCHASED POWER FUEL	1,738,646.02	2,374,999.11	12,133,014.13	13,079,952.84	7.80%
OPERATING MAINTENANCE	680,567.81	894,924.40	4,146,866.34	4,386,432.11	5.78%
DEPRECIATION	189,762.09	308,730.84	1,160,518.42	1,423,480.62	22.66%
VOLUNTARY PAYMENTS TO TOWNS	314,969.55	321,788.79	1,574,847.75	1,608,943.95	2.17%
	116,666.67	118,000.00	583,333.35	590,000.00	1.14%
<b>TOTAL OPERATING EXPENSES</b>	<b>5,525,473.89</b>	<b>6,157,590.79</b>	<b>32,105,393.08</b>	<b>33,648,240.22</b>	<b>4.81%</b>
<b>OPERATING INCOME</b>	<b>384,004.73</b>	<b>294,585.66</b>	<b>2,766,127.98</b>	<b>3,987,406.71</b>	<b>44.15%</b>
<b>NONOPERATING REVENUES (EXPENSES)</b>					
CONTRIBUTIONS IN AID OF CONST	5,497.80	4,642.00	23,066.88	5,037.20	0.00%
RETURN ON INVESTMENT TO READING	(191,768.42)	(194,405.25)	(958,842.09)	(972,026.25)	1.38%
INTEREST INCOME	2,347.14	21,870.58	17,560.86	57,364.62	226.66%
INTEREST EXPENSE	(263.27)	(253.44)	(1,291.59)	(1,292.90)	0.10%
OTHER (MDSE AND AMORT)	30,599.69	1,989.00	115,089.67	97,222.03	-15.52%
<b>TOTAL NONOPERATING REV (EXP)</b>	<b>(153,587.06)</b>	<b>(166,157.11)</b>	<b>(804,416.27)</b>	<b>(813,695.30)</b>	<b>1.15%</b>
<b>CHANGE IN NET ASSETS</b>	<b>230,417.67</b>	<b>128,428.55</b>	<b>1,961,711.71</b>	<b>3,173,711.41</b>	<b>61.78%</b>
<b>NET ASSETS AT BEGINNING OF YEAR</b>			<b>98,317,178.79</b>	<b>101,873,334.16</b>	<b>3.62%</b>
<b>NET ASSETS AT END OF NOVEMBER</b>			<b>100,278,890.50</b>	<b>105,047,045.57</b>	<b>4.75%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
11/30/2014

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE*	% CHANGE
OPERATING REVENUES: (SCH F P.11B)				
BASE REVENUE	9,381,296.21	9,603,473.00	(222,176.79)	-2.31%
FUEL REVENUE	15,229,940.94	16,560,609.00	(1,330,668.06)	-8.04%
PURCHASED POWER CAPACITY	12,705,459.98	13,060,206.00	(354,746.02)	100.00%
FORFEITED DISCOUNTS	322,366.95	496,452.00	(174,085.05)	-35.07%
ENERGY CONSERVATION REVENUE	296,846.18	310,958.00	(14,111.82)	-4.54%
NYPA CREDIT	(300,263.33)	(291,665.00)	(8,598.33)	2.95%
<b>TOTAL OPERATING REVENUES</b>	<b>37,635,646.93</b>	<b>39,740,033.00</b>	<b>(2,104,386.07)</b>	<b>-5.30%</b>
OPERATING EXPENSES: (SCH G P.12A)				
PURCHASED POWER CAPACITY	6,914,503.39	6,888,908.00	25,595.39	0.37%
PURCHASED POWER TRANSMISSION	5,644,927.31	5,345,686.00	299,241.31	5.60%
PURCHASED POWER FUEL	13,079,952.84	13,911,216.00	(831,263.16)	-5.98%
OPERATING MAINTENANCE	4,386,432.11	4,552,999.00	(166,566.89)	-3.66%
DEPRECIATION	1,423,480.62	1,333,592.00	89,888.62	6.74%
VOLUNTARY PAYMENTS TO TOWNS	1,608,943.95	1,621,665.00	(12,721.05)	-0.78%
	590,000.00	590,000.00	0.00	0.00%
<b>TOTAL OPERATING EXPENSES</b>	<b>33,648,240.22</b>	<b>34,244,066.00</b>	<b>(595,825.78)</b>	<b>-1.74%</b>
<b>OPERATING INCOME</b>	<b>3,987,406.71</b>	<b>5,495,967.00</b>	<b>(1,508,560.29)</b>	<b>-27.45%</b>
NONOPERATING REVENUES (EXPENSES)				
CONTRIBUTIONS IN AID OF CONST	5,037.20	100,000.00	(94,962.80)	-94.96%
RETURN ON INVESTMENT TO READING	(972,026.25)	(972,025.00)	(1.25)	0.00%
INTEREST INCOME	57,364.62	41,665.00	15,699.62	37.68%
INTEREST EXPENSE	(1,292.90)	(1,250.00)	(42.90)	3.43%
OTHER (MDSE AND AMORT)	97,222.03	115,000.00	(17,777.97)	-15.46%
<b>TOTAL NONOPERATING REV (EXP)</b>	<b>(813,695.30)</b>	<b>(716,610.00)</b>	<b>(97,085.30)</b>	<b>13.55%</b>
<b>CHANGE IN NET ASSETS</b>	<b>3,173,711.41</b>	<b>4,779,357.00</b>	<b>(1,605,645.59)</b>	<b>-33.60%</b>
NET ASSETS AT BEGINNING OF YEAR	101,873,334.16	101,873,334.16	0.00	0.00%
NET ASSETS AT END OF NOVEMBER	<u>105,047,045.57</u>	<u>106,652,691.16</u>	<u>(1,605,645.59)</u>	<u>-1.51%</u>

\* ( ) = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
RECONCILIATION OF CAPITAL FUNDS  
11/30/2014

SOURCE OF CAPITAL FUNDS:

DEPRECIATION FUND BALANCE 7/1/14	4,130,584.59
CONSTRUCTION FUND BALANCE 7/1/14	1,000,000.00
INTEREST ON DEPRECIATION FUND FY 15	8,980.73
DEPRECIATION TRANSFER FY 15	<u>1,608,943.95</u>
TOTAL SOURCE OF CAPITAL FUNDS	6,748,509.27

USE OF CAPITAL FUNDS:

LESS PAID ADDITIONS TO PLANT THRU NOVEMBER	1,188,256.08
GENERAL LEDGER CAPITAL FUNDS BALANCE 11/30/14	<u><u>5,560,253.19</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SALES OF KILOWATT HOURS  
11/30/2014

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	18,713,200	17,735,079	116,633,439	111,701,125	-4.23%
COMM. AND INDUSTRIAL SALES	33,641,449	33,862,966	181,584,539	178,764,324	-1.55%
PRIVATE STREET LIGHTING	74,657	77,940	370,921	393,790	6.17%
<b>TOTAL PRIVATE CONSUMERS</b>	<u>52,429,306</u>	<u>51,675,985</u>	<u>298,588,899</u>	<u>290,859,239</u>	-2.59%
 MUNICIPAL SALES:					
STREET LIGHTING	239,961	242,669	1,198,265	1,214,376	1.34%
MUNICIPAL BUILDINGS	785,006	828,513	3,954,607	3,963,398	0.22%
<b>TOTAL MUNICIPAL CONSUMERS</b>	<u>1,024,967</u>	<u>1,071,182</u>	<u>5,152,872</u>	<u>5,177,774</u>	0.48%
SALES FOR RESALE	255,123	229,361	1,588,922	1,550,962	-2.39%
SCHOOL	1,374,385	1,439,816	5,626,585	5,952,876	5.80%
<b>TOTAL KILOWATT HOURS SOLD</b>	<u>55,083,781</u>	<u>54,416,344</u>	<u>310,957,278</u>	<u>303,540,851</u>	-2.39%



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
KILOWATT HOURS SOLD BY TOWN  
11/30/2014

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	17,735,079	5,454,530	2,491,273	4,129,021	5,660,255
COMM & IND	33,862,966	4,083,085	241,876	5,283,992	24,254,013
PVT ST LIGHTS	77,940	13,418	1,524	24,860	38,138
PUB ST LIGHTS	242,669	81,549	32,770	42,644	85,706
MUNI BLDGS	828,513	216,485	168,539	145,311	298,178
SALES/RESALE	229,361	229,361	0	0	0
SCHOOL	1,439,816	464,197	285,598	260,300	429,721
<b>TOTAL</b>	<b>54,416,344</b>	<b>10,542,625</b>	<b>3,221,580</b>	<b>9,885,128</b>	<b>30,766,011</b>

YEAR TO DATE	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	111,701,125	34,852,499	16,171,000	25,991,306	34,686,320
COMM & IND	178,764,324	21,896,647	1,385,923	27,856,439	127,625,315
PVT ST LIGHTS	393,790	66,774	7,620	123,966	195,430
PUB ST LIGHTS	1,214,376	408,092	163,987	213,401	428,896
MUNI BLDGS	3,963,398	925,019	853,184	754,780	1,430,415
SALES/RESALE	1,550,962	1,550,962	0	0	0
SCHOOL	5,952,876	2,093,151	1,266,765	895,420	1,697,540
<b>TOTAL</b>	<b>303,540,851</b>	<b>61,793,144</b>	<b>19,848,479</b>	<b>55,835,312</b>	<b>166,063,916</b>

LAST YEAR TO DATE	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	116,633,439	36,543,393	16,736,239	27,235,891	36,117,916
COMM & IND	181,584,539	22,204,830	1,458,713	28,332,780	129,588,216
PVT ST LIGHTS	370,921	65,645	6,800	110,830	187,646
PUB ST LIGHTS	1,198,265	403,330	162,500	209,100	423,335
MUNI BLDGS	3,954,607	944,023	794,262	773,230	1,443,092
SALES/RESALE	1,588,922	1,588,922	0	0	0
SCHOOL	5,626,585	2,056,026	1,294,497	664,040	1,612,022
<b>TOTAL</b>	<b>310,957,278</b>	<b>63,806,169</b>	<b>20,453,011</b>	<b>57,325,871</b>	<b>169,372,227</b>

KILOWATT HOURS SOLD TO TOTAL MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	32.59%	10.02%	4.58%	7.59%	10.40%
COMM & IND	62.23%	7.50%	0.44%	9.71%	44.58%
PVT ST LIGHTS	0.14%	0.02%	0.00%	0.05%	0.07%
PUB ST LIGHTS	0.45%	0.15%	0.06%	0.08%	0.16%
MUNI BLDGS	1.52%	0.40%	0.31%	0.27%	0.54%
SALES/RESALE	0.42%	0.42%	0.00%	0.00%	0.00%
SCHOOL	2.65%	0.85%	0.52%	0.48%	0.80%
<b>TOTAL</b>	<b>100.00%</b>	<b>19.36%</b>	<b>5.91%</b>	<b>18.18%</b>	<b>56.55%</b>

YEAR TO DATE	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	36.80%	11.48%	5.33%	8.56%	11.43%
COMM & IND	58.89%	7.21%	0.46%	9.18%	42.04%
PVT ST LIGHTS	0.13%	0.02%	0.00%	0.04%	0.07%
PUB ST LIGHTS	0.40%	0.13%	0.05%	0.07%	0.15%
MUNI BLDGS	1.31%	0.30%	0.28%	0.25%	0.48%
SALES/RESALE	0.51%	0.51%	0.00%	0.00%	0.00%
SCHOOL	1.96%	0.69%	0.42%	0.29%	0.56%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.34%</b>	<b>6.54%</b>	<b>18.39%</b>	<b>54.73%</b>

LAST YEAR TO DATE	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	37.51%	11.75%	5.38%	8.76%	11.62%
COMM & IND	58.39%	7.14%	0.47%	9.11%	41.67%
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	1.27%	0.30%	0.26%	0.25%	0.46%
SALES/RESALE	0.51%	0.51%	0.00%	0.00%	0.00%
SCHOOL	1.81%	0.66%	0.42%	0.21%	0.52%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.51%</b>	<b>6.58%</b>	<b>18.44%</b>	<b>54.47%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
FORMULA INCOME  
11/30/2014

TOTAL OPERATING REVENUES	(P.3)	37,635,646.93
ADD:		
POLE RENTAL		0.00
INTEREST INCOME ON CUSTOMER DEPOSITS		1,972.54
LESS:		
OPERATING EXPENSES	(P.3)	(33,648,240.22)
CUSTOMER DEPOSIT INTEREST EXPENSE		(1,292.90)
FORMULA INCOME (LOSS)		<u>3,988,086.35</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
GENERAL STATISTICS  
11/30/2014

		MONTH OF NOV 2013	MONTH OF NOV 2014	% CHANGE		YEAR NOV 2013	THRU NOV 2014
				2013	2014		
SALE OF KWH	(P.5)	55,083,781	54,416,344	-0.85%	-2.39%	310,957,278	303,540,851
KWH PURCHASED		55,217,486	54,368,253	-1.21%	-3.12%	315,292,717	305,458,591
AVE BASE COST PER KWH		0.045001	0.026120	3.98%	-42.93%	0.039667	0.022636
AVE BASE SALE PER KWH		0.064275	0.030382	0.57%	-52.40%	0.064925	0.030906
AVE COST PER KWH		0.076489	0.069803	-8.72%	-16.24%	0.078149	0.065457
AVE SALE PER KWH		0.104246	0.074817	-2.85%	-25.79%	0.109253	0.081080
FUEL CHARGE REVENUE	(P.3)	2,201,768.18	2,418,013.33	-8.25%	10.49%	13,783,959.77	15,229,940.94
LOAD FACTOR		73.96%	74.52%				
PEAK LOAD		102,274	99,937				

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF CASH AND INVESTMENTS  
11/30/2014

SCHEDULE A

	PREVIOUS YEAR	CURRENT YEAR
<b>UNRESTRICTED CASH</b>		
CASH - OPERATING FUND	7,266,674.64	10,197,816.12
CASH - PETTY CASH	3,000.00	3,000.00
TOTAL UNRESTRICTED CASH	7,269,674.64	10,200,816.12
 <b>RESTRICTED CASH</b>		
CASH - DEPRECIATION FUND	4,310,600.30	5,560,253.19
CASH - CONSTRUCTION FUND	121,420.35	0.00
CASH - TOWN PAYMENT	1,542,175.45	1,562,026.25
CASH - DEFERRED FUEL RESERVE	4,033,462.29	5,982,419.73
CASH - RATE STABILIZATION FUND	6,697,915.09	6,748,633.58
CASH - UNCOLLECTIBLE ACCTS RESERVE	200,000.00	200,000.00
CASH - SICK LEAVE BENEFITS	3,134,091.75	1,695,954.84
CASH - HAZARD WASTE RESERVE	150,000.00	150,000.00
CASH - CUSTOMER DEPOSITS	746,547.12	831,605.77
CASH - ENERGY CONSERVATION	474,015.54	570,798.09
TOTAL RESTRICTED CASH	21,410,227.89	23,301,691.45
 <b>INVESTMENTS</b>		
SICK LEAVE BUYBACK	0.00	1,292,906.26
TOTAL CASH BALANCE	28,679,902.53	34,795,413.83



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF ACCOUNTS RECEIVABLE  
11/30/2014

SCHEDULE B

SCHEDULE OF ACCOUNTS RECEIVABLE	PREVIOUS YEAR	CURRENT YEAR
RESIDENTIAL AND COMMERCIAL	4,764,845.57	4,224,757.80
ACCOUNTS RECEIVABLE - OTHER	214,857.83	88,706.53
ACCOUNTS RECEIVABLE - LIENS	33,123.35	28,192.64
ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES	892.14	892.14
SALES DISCOUNT LIABILITY	(370,631.61)	(271,535.26)
RESERVE FOR UNCOLLECTIBLE ACCOUNTS	(250,850.15)	(267,384.59)
TOTAL ACCOUNTS RECEIVABLE BILLED	4,392,237.13	3,803,629.26
UNBILLED ACCOUNTS RECEIVABLE	4,158,022.50	5,622,269.28
TOTAL ACCOUNTS RECEIVABLE, NET	8,550,259.63	9,425,898.54

SCHEDULE OF PREPAYMENTS

PREPAID INSURANCE	396,579.95	389,801.18
PREPAYMENT PURCHASED POWER	7,896.56	168,532.38
PREPAYMENT PASNY	242,260.90	259,957.39
PREPAYMENT WATSON	154,054.65	286,469.29
PURCHASED POWER WORKING CAPITAL	14,523.70	12,700.11
TOTAL PREPAYMENT	815,315.76	1,117,460.35

ACCOUNTS RECEIVABLE AGING NOVEMBER 2014:

RESIDENTIAL AND COMMERCIAL	4,224,757.80
LESS: SALES DISCOUNT LIABILITY	(271,535.26)
GENERAL LEDGER BALANCE	3,953,222.54

CURRENT	3,601,994.22	91.11%
30 DAYS	247,019.62	6.25%
60 DAYS	49,744.60	1.26%
90 DAYS	11,668.71	0.30%
OVER 90 DAYS	42,795.39	1.08%
TOTAL	3,953,222.54	100.00%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE  
11/30/2014

SCHEDULE D

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	2,219,856.09	1,609,139.07	14,292,277.68	10,671,029.93	-25.34%
COMM AND INDUSTRIAL SALES	3,242,892.85	2,241,917.00	18,300,321.71	12,837,831.03	-29.85%
PRIVATE STREET LIGHTING	5,262.54	8,948.29	27,686.77	47,068.00	70.00%
<b>TOTAL PRIVATE CONSUMERS</b>	<u>5,468,011.48</u>	<u>3,860,004.36</u>	<u>32,620,286.16</u>	<u>23,555,928.96</u>	-27.79%
 MUNICIPAL SALES:					
STREET LIGHTING	25,899.64	29,860.45	134,200.60	149,302.25	11.25%
MUNICIPAL BUILDINGS	83,914.12	61,810.23	439,905.66	314,669.66	-28.47%
<b>TOTAL MUNICIPAL CONSUMERS</b>	<u>109,813.76</u>	<u>91,670.68</u>	<u>574,106.26</u>	<u>463,971.91</u>	-19.18%
 SALES FOR RESALE	 27,774.08	 18,322.30	 180,209.02	 133,044.75	 -26.17%
 SCHOOL	 136,651.53	 101,285.00	 598,387.49	 458,291.53	 -23.41%
 <b>SUB-TOTAL</b>	 <u>5,742,250.85</u>	 <u>4,071,282.34</u>	 <u>33,972,988.93</u>	 <u>24,611,237.15</u>	 -27.56%
 FORFEITED DISCOUNTS	 63,169.87	 41,756.80	 372,714.79	 322,366.95	 -13.51%
 PURCHASED POWER CAPACITY	 48,520.06	 2,353,985.58	 135,515.61	 12,705,459.98	 9275.64%
ENERGY CONSERVATION - RESIDENTIAL	18,725.51	17,747.98	116,694.24	111,743.90	-4.24%
ENERGY CONSERVATION - COMMERCIAL	35,452.84	35,502.64	189,607.84	185,102.28	-2.38%
GAW REVENUE	55,067.98	0.00	310,970.38	0.00	-100.00%
NYPA CREDIT	(53,708.49)	(68,098.89)	(226,970.73)	(300,263.33)	32.29%
 <b>TOTAL REVENUE</b>	 <u>5,909,478.62</u>	 <u>6,452,176.45</u>	 <u>34,871,521.06</u>	 <u>37,635,646.93</u>	 7.93%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE BY TOWN  
11/30/2014

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	1,609,139.07	499,476.23	223,810.73	373,463.58	512,388.53
INDUS/MUNI BLDG	2,303,727.23	319,240.28	32,563.73	374,663.16	1,577,260.06
PUB. ST. LIGHTS	29,860.45	10,014.23	4,024.08	5,267.05	10,555.09
PRV. ST. LIGHTS	8,948.29	1,504.29	177.54	2,959.09	4,307.37
CO-OP RESALE	18,322.30	18,322.30	0.00	0.00	0.00
SCHOOL	101,285.00	32,834.74	19,731.59	19,569.69	29,148.98
<b>TOTAL</b>	<b>4,071,282.34</b>	<b>881,392.07</b>	<b>280,307.67</b>	<b>775,922.57</b>	<b>2,133,660.03</b>

THIS YEAR TO DATE

RESIDENTIAL	10,671,029.93	3,342,401.00	1,535,016.73	2,475,360.43	3,318,251.77
INDUS/MUNI BLDG	13,152,500.69	1,818,812.57	181,676.81	2,146,241.29	9,005,770.02
PUB. ST. LIGHTS	149,302.25	50,071.15	20,120.40	26,335.25	52,775.45
PRV. ST. LIGHTS	47,068.00	7,842.68	925.80	15,342.12	22,957.40
CO-OP RESALE	133,044.75	133,044.75	0.00	0.00	0.00
SCHOOL	458,291.53	162,483.22	96,902.76	70,253.08	128,652.47
<b>TOTAL</b>	<b>24,611,237.15</b>	<b>5,514,655.37</b>	<b>1,834,642.48</b>	<b>4,733,532.18</b>	<b>12,528,407.12</b>

LAST YEAR TO DATE

RESIDENTIAL	14,292,277.68	4,499,594.29	2,040,146.03	3,337,151.35	4,415,386.01
INDUS/MUNI BLDG	18,740,227.37	2,507,285.91	247,533.77	3,013,693.12	12,971,714.57
PUB. ST. LIGHTS	134,200.60	43,637.55	17,232.10	23,800.89	49,530.06
PRV. ST. LIGHTS	27,686.77	4,852.04	499.19	8,566.65	13,768.89
CO-OP RESALE	180,209.02	180,209.02	0.00	0.00	0.00
SCHOOL	598,387.49	219,522.51	135,345.32	73,188.49	170,331.17
<b>TOTAL</b>	<b>33,972,988.93</b>	<b>7,455,101.32</b>	<b>2,440,756.41</b>	<b>6,456,400.50</b>	<b>17,620,730.70</b>

PERCENTAGE OF OPERATING INCOME TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	39.52%	12.27%	5.50%	9.17%	12.59%
INDUS/MUNI BLDG	56.58%	7.84%	0.80%	9.20%	38.74%
PUB. ST. LIGHTS	0.73%	0.25%	0.10%	0.13%	0.26%
PRV. ST. LIGHTS	0.22%	0.04%	0.00%	0.07%	0.11%
CO-OP RESALE	0.45%	0.45%	0.00%	0.00%	0.00%
SCHOOL	2.49%	0.81%	0.48%	0.48%	0.72%
<b>TOTAL</b>	<b>100.00%</b>	<b>21.65%</b>	<b>6.88%</b>	<b>19.06%</b>	<b>52.41%</b>

THIS YEAR TO DATE

RESIDENTIAL	43.36%	13.58%	6.24%	10.06%	13.48%
INDUS/MUNI BLDG	53.44%	7.39%	0.74%	8.72%	36.59%
PUB. ST. LIGHTS	0.61%	0.20%	0.08%	0.11%	0.21%
PRV. ST. LIGHTS	0.19%	0.03%	0.00%	0.06%	0.09%
CO-OP RESALE	0.54%	0.54%	0.00%	0.00%	0.00%
SCHOOL	1.86%	0.66%	0.39%	0.29%	0.52%
<b>TOTAL</b>	<b>100.00%</b>	<b>22.41%</b>	<b>7.45%</b>	<b>19.23%</b>	<b>50.91%</b>

LAST YEAR TO DATE

RESIDENTIAL	42.76%	13.32%	6.18%	10.02%	13.24%
INDUS/MUNI BLDG	54.60%	7.19%	0.72%	8.81%	37.88%
PUB. ST. LIGHTS	0.38%	0.12%	0.05%	0.07%	0.14%
PRV. ST. LIGHTS	0.08%	0.01%	0.00%	0.02%	0.05%
CO-OP RESALE	0.54%	0.54%	0.00%	0.00%	0.00%
SCHOOL	1.64%	0.59%	0.37%	0.20%	0.48%
<b>TOTAL</b>	<b>100.00%</b>	<b>21.77%</b>	<b>7.32%</b>	<b>19.12%</b>	<b>51.79%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING EXPENSES  
11/30/2014

SCHEDULE E

OPERATION EXPENSES:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
PURCHASED POWER CAPACITY	1,805,123.06	1,420,085.36	7,415,673.14	6,914,503.39	-6.76%
PURCHASED POWER TRANSMISSION	679,738.69	719,062.29	5,091,139.95	5,644,927.31	10.88%
<b>TOTAL PURCHASED POWER</b>	<b>2,484,861.75</b>	<b>2,139,147.65</b>	<b>12,506,813.09</b>	<b>12,559,430.70</b>	<b>0.42%</b>
OPERATION SUP AND ENGINEERING EXP	35,933.87	40,918.14	218,069.45	223,285.37	2.39%
STATION SUP LABOR AND MISC	8,593.80	12,144.72	45,816.59	66,306.26	44.72%
LINE MISC LABOR AND EXPENSE	72,498.09	67,916.24	304,441.27	290,282.40	-4.65%
STATION LABOR AND EXPENSE	36,758.80	41,127.47	211,228.59	194,986.31	-7.69%
STREET LIGHTING EXPENSE	7,516.37	11,849.03	30,508.24	38,382.20	25.81%
METER EXPENSE	15,867.70	14,054.65	85,474.53	73,231.80	-14.32%
MISC DISTRIBUTION EXPENSE	23,332.75	34,971.74	141,083.46	175,799.94	24.61%
METER READING LABOR & EXPENSE	1,262.31	1,070.03	13,529.35	7,568.66	-44.06%
ACCT & COLL LABOR & EXPENSE	108,547.28	135,599.59	627,723.88	740,092.25	17.90%
UNCOLLECTIBLE ACCOUNTS	10,500.00	10,000.00	52,500.00	50,000.00	-4.76%
ENERGY AUDIT EXPENSE	34,839.75	30,841.27	183,786.34	168,184.55	-8.49%
ADMIN & GEN SALARIES	58,174.00	74,563.23	364,492.52	351,824.36	-3.48%
OFFICE SUPPLIES & EXPENSE	24,811.39	27,039.14	112,384.52	122,489.31	8.99%
OUTSIDE SERVICES	6,065.02	69,317.96	152,727.02	190,950.48	25.03%
PROPERTY INSURANCE	29,926.02	29,863.73	149,630.10	149,318.65	-0.21%
INJURIES AND DAMAGES	3,384.51	4,837.43	16,418.62	19,190.28	16.88%
EMPLOYEES PENSIONS & BENEFITS	151,827.57	224,289.28	1,131,069.48	1,214,632.95	7.39%
MISC GENERAL EXPENSE	16,119.85	11,555.12	72,624.86	56,912.57	-21.63%
RENT EXPENSE	13,692.53	13,834.40	82,049.32	69,684.68	-15.07%
ENERGY CONSERVATION	20,916.20	39,131.23	151,308.20	183,309.09	21.15%
<b>TOTAL OPERATION EXPENSES</b>	<b>680,567.81</b>	<b>894,924.40</b>	<b>4,146,866.34</b>	<b>4,386,432.11</b>	<b>5.78%</b>
<b>MAINTENANCE EXPENSES:</b>					
MAINT OF TRANSMISSION PLANT	227.08	227.10	1,135.40	1,135.50	0.01%
MAINT OF STRUCT AND EQUIPMT	17,435.17	66,218.79	78,027.92	265,485.45	240.24%
MAINT OF LINES - OH	93,552.98	170,247.91	645,406.94	757,083.86	17.30%
MAINT OF LINES - UG	17,244.15	17,327.00	77,239.34	65,400.30	-15.33%
MAINT OF LINE TRANSFORMERS	9,148.28	6,947.11	85,376.01	52,731.66	0.00%
MAINT OF ST LT & SIG SYSTEM	(66.25)	(34.91)	(386.64)	(103.36)	-73.27%
MAINT OF GARAGE AND STOCKROOM	38,853.01	40,114.73	201,961.92	186,324.90	-7.74%
MAINT OF METERS	1,043.23	0.00	10,157.01	0.00	-100.00%
MAINT OF GEN PLANT	12,324.44	7,683.11	61,600.52	95,422.31	54.91%
<b>TOTAL MAINTENANCE EXPENSES</b>	<b>189,762.09</b>	<b>308,730.84</b>	<b>1,160,518.42</b>	<b>1,423,480.62</b>	<b>22.66%</b>
DEPRECIATION EXPENSE	314,969.55	321,788.79	1,574,847.75	1,608,943.95	2.17%
PURCHASED POWER FUEL EXPENSE	1,738,646.02	2,374,999.11	12,133,014.13	13,079,952.84	7.80%
VOLUNTARY PAYMENTS TO TOWNS	116,666.67	118,000.00	583,333.35	590,000.00	1.14%
<b>TOTAL OPERATING EXPENSES</b>	<b>5,525,473.89</b>	<b>6,157,590.79</b>	<b>32,105,393.08</b>	<b>33,648,240.22</b>	<b>4.81%</b>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
11/30/2014

SCHEDULE G

OPERATION EXPENSES:	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
PURCHASED POWER CAPACITY	6,914,503.39	6,888,908.00	25,595.39	0.37%
PURCHASED POWER TRANSMISSION	5,644,927.31	5,345,686.00	299,241.31	5.60%
<b>TOTAL PURCHASED POWER</b>	<b>12,559,430.70</b>	<b>12,234,594.00</b>	<b>324,836.70</b>	<b>2.66%</b>
OPERATION SUP AND ENGINEERING EXP	223,285.37	233,712.00	(10,426.63)	-4.46%
STATION SUP LABOR AND MISC	66,306.26	43,195.00	23,111.26	53.50%
LINE MISC LABOR AND EXPENSE	290,282.40	265,099.00	25,183.40	9.50%
STATION LABOR AND EXPENSE	194,986.31	159,872.00	35,114.31	21.96%
STREET LIGHTING EXPENSE	38,382.20	33,991.00	4,391.20	12.92%
METER EXPENSE	73,231.80	90,909.00	(17,677.20)	-19.44%
MISC DISTRIBUTION EXPENSE	175,799.94	159,271.00	16,528.94	10.38%
METER READING LABOR & EXPENSE	7,568.66	12,643.00	(5,074.34)	-40.14%
ACCT & COLL LABOR & EXPENSE	740,092.25	693,200.00	46,892.25	6.76%
UNCOLLECTIBLE ACCOUNTS	50,000.00	50,000.00	0.00	0.00%
ENERGY AUDIT EXPENSE	168,184.55	196,504.00	(28,319.45)	-14.41%
ADMIN & GEN SALARIES	351,824.36	337,203.00	14,621.36	4.34%
OFFICE SUPPLIES & EXPENSE	122,489.31	125,500.00	(3,010.69)	-2.40%
OUTSIDE SERVICES	190,950.48	166,925.00	24,025.48	14.39%
PROPERTY INSURANCE	149,318.65	188,920.00	(39,601.35)	-20.96%
INJURIES AND DAMAGES	19,190.28	20,790.00	(1,599.72)	-7.69%
EMPLOYEES PENSIONS & BENEFITS	1,214,632.95	1,230,590.00	(15,957.05)	-1.30%
MISC GENERAL EXPENSE	56,912.57	134,732.00	(77,819.43)	-57.76%
RENT EXPENSE	69,684.68	88,335.00	(18,650.32)	-21.11%
ENERGY CONSERVATION	183,309.09	321,608.00	(138,298.91)	-43.00%
<b>TOTAL OPERATION EXPENSES</b>	<b>4,386,432.11</b>	<b>4,552,999.00</b>	<b>(166,566.89)</b>	<b>-3.66%</b>
<b>MAINTENANCE EXPENSES:</b>				
MAINT OF TRANSMISSION PLANT	1,135.50	1,250.00	(114.50)	-9.16%
MAINT OF STRUCT AND EQUIPMENT	265,485.45	197,105.00	68,380.45	34.69%
MAINT OF LINES - OH	757,083.86	684,429.00	72,654.86	10.62%
MAINT OF LINES - UG	65,400.30	54,267.00	11,133.30	20.52%
MAINT OF LINE TRANSFORMERS	52,731.66	78,000.00	(25,268.34)	-32.40%
MAINT OF ST LT & SIG SYSTEM	(103.36)	3,978.00	(4,081.36)	-102.60%
MAINT OF GARAGE AND STOCKROOM	186,324.90	218,497.00	(32,172.10)	-14.72%
MAINT OF METERS	0.00	25,421.00	(25,421.00)	-100.00%
MAINT OF GEN PLANT	95,422.31	70,645.00	24,777.31	35.07%
<b>TOTAL MAINTENANCE EXPENSES</b>	<b>1,423,480.62</b>	<b>1,333,592.00</b>	<b>89,888.62</b>	<b>6.74%</b>
DEPRECIATION EXPENSE	1,608,943.95	1,621,665.00	(12,721.05)	-0.78%
PURCHASED POWER FUEL EXPENSE	13,079,952.84	13,911,216.00	(831,263.16)	-5.98%
VOLUNTARY PAYMENTS TO TOWNS	590,000.00	590,000.00	0.00	0.00%
<b>TOTAL OPERATING EXPENSES</b>	<b>33,648,240.22</b>	<b>34,244,066.00</b>	<b>(595,825.78)</b>	<b>-1.74%</b>

\* ( ) = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
11/30/2014

OPERATION EXPENSES:	RESPONSIBLE SENIOR MANAGER	2015 ANNUAL BUDGET	ACTUAL YEAR TO DATE	REMAINING BUDGET BALANCE	REMAINING BUDGET %
PURCHASED POWER CAPACITY	JP	16,332,282.00	6,914,503.39	9,417,778.61	57.66%
PURCHASED POWER TRANSMISSION	JP	12,556,732.00	5,644,927.31	6,911,804.69	55.04%
<b>TOTAL PURCHASED POWER</b>		<u>28,889,014.00</u>	<u>12,559,430.70</u>	<u>16,329,583.30</u>	56.53%
OPERATION SUP AND ENGINEERING EXP	KS	583,668.00	223,285.37	360,382.63	61.74%
STATION SUP LABOR AND MISC	KS	108,848.00	66,306.26	42,541.74	39.08%
LINE MISC LABOR AND EXPENSE	KS	657,259.00	290,282.40	366,976.60	55.83%
STATION LABOR AND EXPENSE	KS	398,849.00	194,986.31	203,862.69	51.11%
STREET LIGHTING EXPENSE	KS	82,907.00	38,382.20	44,524.80	53.70%
METER EXPENSE	KS	247,938.00	73,231.80	174,706.20	70.46%
MISC DISTRIBUTION EXPENSE	KS	402,885.00	175,799.94	227,085.06	56.36%
METER READING LABOR & EXPENSE	KS	30,922.00	7,568.66	23,353.34	75.52%
ACCT & COLL LABOR & EXPENSE	RF	1,705,333.00	740,092.25	965,240.75	56.60%
UNCOLLECTIBLE ACCOUNTS	RF	120,000.00	50,000.00	70,000.00	58.33%
ENERGY AUDIT EXPENSE	JP	488,284.00	168,184.55	320,099.45	65.56%
ADMIN & GEN SALARIES	CO	842,170.00	351,824.36	490,345.64	58.22%
OFFICE SUPPLIES & EXPENSE	CO	301,000.00	122,489.31	178,510.69	59.31%
OUTSIDE SERVICES	CO	351,650.00	190,950.48	160,699.52	45.70%
PROPERTY INSURANCE	KS	453,200.00	149,318.65	303,881.35	67.05%
INJURIES AND DAMAGES	KS	49,059.00	19,190.28	29,868.72	60.88%
EMPLOYEES PENSIONS & BENEFITS	KS	2,746,619.00	1,214,632.95	1,531,986.05	55.78%
MISC GENERAL EXPENSE	CO	240,727.00	56,912.57	183,814.43	76.36%
RENT EXPENSE	KS	212,000.00	69,684.68	142,315.32	67.13%
ENERGY CONSERVATION	JP	778,812.00	183,309.09	595,502.91	76.46%
<b>TOTAL OPERATION EXPENSES</b>		<u>10,802,130.00</u>	<u>4,386,432.11</u>	<u>6,415,697.89</u>	59.39%
<b>MAINTENANCE EXPENSES:</b>					
MAINT OF TRANSMISSION PLANT	KS	3,000.00	1,135.50	1,864.50	62.15%
MAINT OF STRUCT AND EQUIPMT	KS	484,026.00	265,485.45	218,540.55	45.15%
MAINT OF LINES - OH	KS	1,675,794.00	757,083.86	918,710.14	54.82%
MAINT OF LINES - UG	KS	130,694.00	65,400.30	65,293.70	49.96%
MAINT OF LINE TRANSFORMERS	KS	156,000.00	52,731.66	103,268.34	66.20%
MAINT OF ST LT & SIG SYSTEM	KS	9,745.00	(103.36)	9,848.36	101.06%
MAINT OF GARAGE AND STOCKROOM	KS	567,531.00	186,324.90	381,206.10	67.17%
MAINT OF METERS	KS	43,290.00	0.00	43,290.00	100.00%
MAINT OF GEN PLANT	RF	170,180.00	95,422.31	74,757.69	43.93%
<b>TOTAL MAINTENANCE EXPENSES</b>		<u>3,240,260.00</u>	<u>1,423,480.62</u>	<u>1,816,779.38</u>	56.07%
DEPRECIATION EXPENSE	RF	3,892,000.00	1,608,943.95	2,283,056.05	58.66%
PURCHASED POWER FUEL EXPENSE	JP	36,249,653.00	13,079,952.84	23,169,700.16	63.92%
VOLUNTARY PAYMENTS TO TOWNS	RF	1,416,000.00	590,000.00	826,000.00	58.33%
<b>TOTAL OPERATING EXPENSES</b>		<u>84,489,057.00</u>	<u>33,648,240.22</u>	<u>50,840,816.78</u>	60.17%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
PROFESSIONAL SERVICES  
11/30/2014

PROFESSIONAL SERVICES BY PROJECT

ITEM	DEPARTMENT	ACTUAL	BUDGET	VARIANCE
1 RMLD AND PENSION TRUST AUDIT FEES	ACCOUNTING	33,582.24	35,000.00	(1,417.76)
2 LEGAL-FERC/ISO/POWER/OTHER	INTEGRATED RESOURCES	51,218.38	57,625.00	(6,406.62)
3 NERC COMPLIANCE AND AUDIT	E & O	6,420.00	4,375.00	2,045.00
4 LEGAL	ENGINEERING	0.00	5,625.00	(5,625.00)
5 LEGAL-GENERAL	GM	82,884.15	22,085.00	60,799.15
6 LEGAL SERVICES	HR	16,845.71	26,665.00	(9,819.29)
7 SURVEY RIGHT OF WAY/ ENVIRONMENTAL	BLDG. MAINT.	0.00	4,300.00	(4,300.00)
8 INSURANCE CONSULTANT/OTHER	GEN. BENEFIT	0.00	11,250.00	(11,250.00)
TOTAL		<u>190,950.48</u>	<u>166,925.00</u>	<u>24,025.48</u>

PROFESSIONAL SERVICES BY VENDOR

	ACTUAL
MELANSON HEATH & COMPANY	29,920.00
PLM ELECTRIC POWER COMPANY	2,230.00
RUBIN AND RUDMAN	125,155.29
UTILTIY SERVICES INC.	6,420.00
CHOATE HALL & STEWART	8,834.96
WILLIAM F. CROWLEY- ATTORNEY	2,477.24
HUDSON RIVER ENERGY GROUP	2,925.62
STONE CONSULTING	1,000.00
TRI COUNTY APPRAISAL OF SOUTH FLORIDA	525.00
DUNCAN & ALLEN	11,462.37
TOTAL	<u>190,950.48</u>

RMLD  
 DEFERRED FUEL CASH RESERVE ANALYSIS  
 12/31/14

DATE	GROSS CHARGES	REVENUES	NYPA CREDIT	MONTHLY DEFERRED	TOTAL DEFERRED
Jun-14					4,132,694.96
Jul-14	3,287,589.94	3,782,699.41	(35,898.34)	459,211.13	4,591,906.09
Aug-14	2,768,364.01	3,844,854.74	(47,884.92)	1,028,605.81	5,620,511.90
Sep-14	2,358,565.60	2,758,999.30	(73,836.15)	326,597.55	5,947,109.45
Oct-14	2,290,434.18	2,425,374.16	(74,545.03)	60,394.95	6,007,504.40
Nov-14	2,374,999.11	2,418,013.33	(68,098.89)	(25,084.67)	5,982,419.73



RMLD  
 BUDGET VARIANCE REPORT  
 FOR PERIOD ENDING NOVEMBER 30, 2014

DIVISION	ACTUAL	BUDGET	VARIANCE	% CHANGE
BUSINESS DIVISION	4,224,115	4,165,955	58,159	1.40%
INTEGRATED RESOURCES AND PLANNING	402,712	575,737	(173,025)	-30.05%
ENGINEERING AND OPERATIONS	2,133,899	1,986,764	147,135	7.41%
FACILITY	1,866,543	1,986,412	(119,870)	-6.03%
GENERAL MANAGER	354,906	356,661	(1,755)	-0.49%
SUB-TOTAL	8,982,174	9,071,530	(89,356)	-0.99%
PURCHASED POWER CAPACITY	6,914,503	6,888,908	25,595	0.37%
PURCHASED POWER TRANSMISSION	5,644,927	5,345,686	299,241	5.60%
PURCHASED POWER FUEL	13,079,953	13,911,216	(831,263)	-5.98%
TOTAL	<u>34,621,558</u>	<u>35,217,340</u>	<u>(595,782)</u>	-1.69%

Dt: January 28, 2015

To: RMLB, Coleen O'Brien, Jeanne Foti

Fr: Bob Fournier

**Sj: December 31, 2014 Report**

The results for the first six months ending December 31, 2014, for the fiscal year 2015 will be summarized in the following paragraphs.

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

\*For the month of December, the net loss or the negative change in net assets was \$121,194, decreasing the year to date net income to \$3,052,517. The year to date budgeted net income was \$3,895,562, resulting in net income being under budget by \$843,044 or 21.6%. Actual year to date fuel revenues exceeded fuel expenses by \$1,677,274.

**2) Revenues: (Page 3A)**

\*Year to date base revenues were under budget by \$202,743 or 1.8%. Actual base revenues were \$11.0 million compared to the budgeted amount of \$11.2 million.

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

\*Year to date purchased power base expense was over budget by \$199,643 or 1.4%. Actual purchased power base costs were 14.8 million and budgeted power base costs were \$14.6 million.

\*Year to date operating and maintenance (O&M) expenses combined were under budget by \$610 or .01%. Actual and budget O&M expenses were \$7.1 million.

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

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

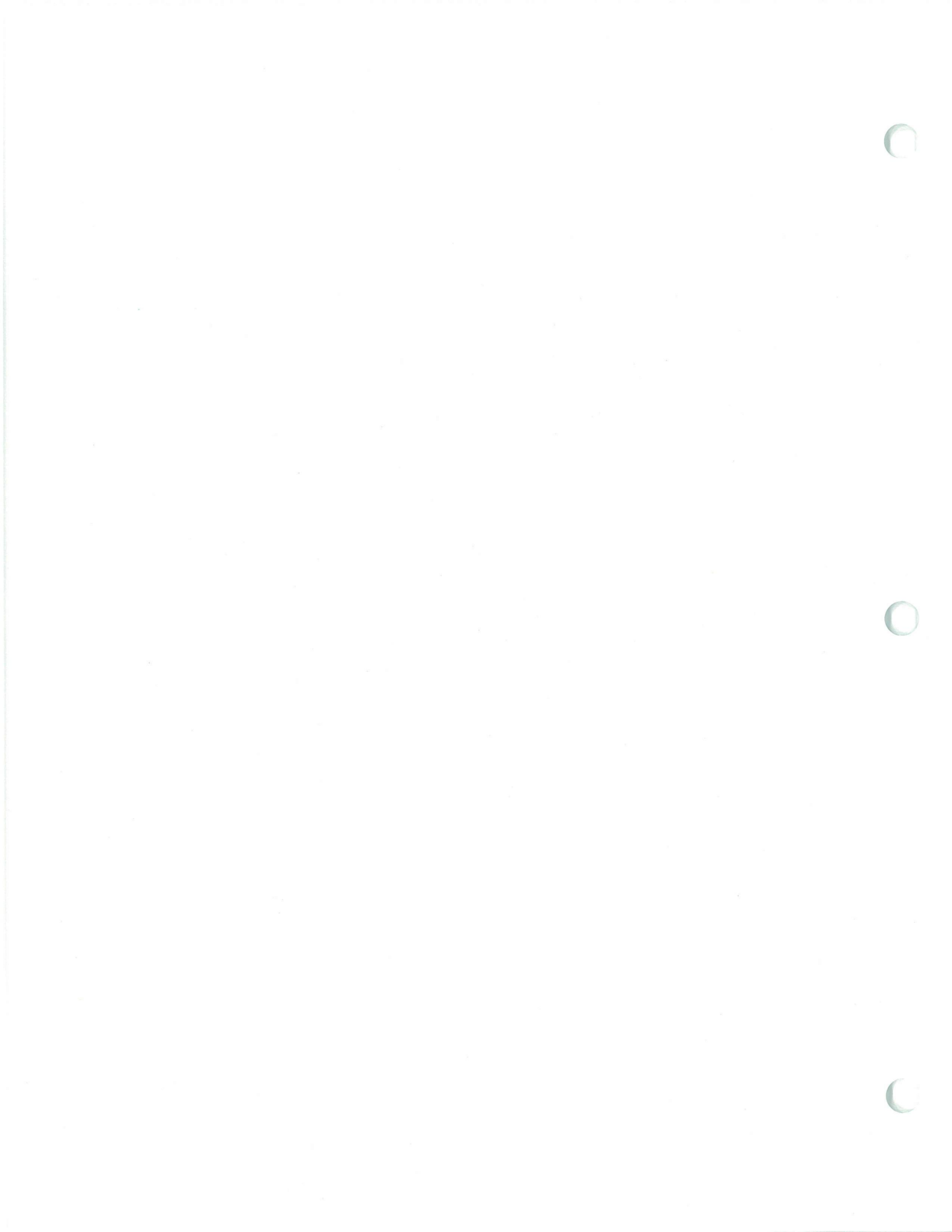
- \*Operating Fund was at \$10,581,094.
- \* Capital Fund balance was at \$5,638,141.
- \* Rate Stabilization Fund was at \$6,752,704.
- \* Deferred Fuel Fund was at \$5,808,969.
- \* Energy Conservation Fund was at \$525,077.

**5) General Information:**

\*Year to date kwh sales (Page 5) were 356,850,752 which is 5.7 million kwh or 1.6%, behind last year's actual figure.

**Budget Variance:**

\*Cumulatively, the five divisions were under budget by \$22,605 or .21%.



**FINANCIAL REPORT**

**DECEMBER 31, 2014**

**ISSUE DATE: JANUARY 28, 2015**



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF NET ASSETS  
12/31/2014

	PREVIOUS YEAR	CURRENT YEAR
<b>ASSETS</b>		
<b>CURRENT</b>		
UNRESTRICTED CASH (SCH A P.9)	10,250,798.40	10,584,094.96
RESTRICTED CASH (SCH A P.9)	17,148,700.97	21,613,150.32
RESTRICTED INVESTMENTS (SCH A P.9)	850,000.00	1,292,906.26
RECEIVABLES, NET (SCH B P.10)	6,856,319.03	8,379,329.54
PREPAID EXPENSES (SCH B P.10)	1,529,593.74	2,111,849.72
INVENTORY	1,519,286.11	1,429,545.03
TOTAL CURRENT ASSETS	38,154,698.25	45,410,875.83
<b>NONCURRENT</b>		
INVESTMENT IN ASSOCIATED CO (SCH C P.2)	31,379.32	26,993.75
CAPITAL ASSETS, NET (SCH C P.2)	69,875,363.39	69,697,352.11
TOTAL NONCURRENT ASSETS	69,906,742.71	69,724,345.86
TOTAL ASSETS	108,061,440.96	115,135,221.69
 <b>LIABILITIES</b>		
<b>CURRENT</b>		
ACCOUNTS PAYABLE	5,501,090.35	5,725,254.05
CUSTOMER DEPOSITS	719,656.51	835,189.91
CUSTOMER ADVANCES FOR CONSTRUCTION	399,624.15	565,058.48
ACCRUED LIABILITIES	52,044.21	164,997.28
TOTAL CURRENT LIABILITIES	6,672,415.22	7,290,499.72
<b>NONCURRENT</b>		
ACCRUED EMPLOYEE COMPENSATED ABSENCES	2,885,367.88	2,918,870.73
TOTAL NONCURRENT LIABILITIES	2,885,367.88	2,918,870.73
TOTAL LIABILITIES	9,557,783.10	10,209,370.45
 <b>NET ASSETS</b>		
INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT	69,875,363.39	69,697,352.11
RESTRICTED FOR DEPRECIATION FUND (P.9)	4,555,865.98	5,638,141.20
UNRESTRICTED	24,072,428.49	29,590,357.93
TOTAL NET ASSETS (P.3)	98,503,657.86	104,925,851.24
TOTAL LIABILITIES AND NET ASSETS	108,061,440.96	115,135,221.69

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
NONCURRENT ASSET SCHEDULE  
12/31/2014

SCHEDULE C

	PREVIOUS YEAR	CURRENT YEAR
SCHEDULE OF INVESTMENTS IN ASSOCIATED COMPANIES		
NEW ENGLAND HYDRO ELECTRIC	3,261.87	2,975.74
NEW ENGLAND HYDRO TRANSMISSION	28,117.45	24,018.01
TOTAL INVESTMENTS IN ASSOCIATED COMPANIES	<u>31,379.32</u>	<u>26,993.75</u>
SCHEDULE OF CAPITAL ASSETS		
LAND	1,265,842.23	1,265,842.23
STRUCTURES AND IMPROVEMENTS	6,430,835.66	6,108,069.51
EQUIPMENT AND FURNISHINGS	12,562,608.11	12,418,272.32
INFRASTRUCTURE	<u>49,616,077.39</u>	<u>49,905,168.05</u>
TOTAL CAPITAL ASSETS, NET	<u>69,875,363.39</u>	<u>69,697,352.11</u>
TOTAL NONCURRENT ASSETS	<u>69,906,742.71</u>	<u>69,724,345.86</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
12/31/2014

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
<b>OPERATING REVENUES: (SCH D P.11)</b>					
BASE REVENUE	3,407,106.78	1,688,491.45	23,596,135.94	11,069,787.66	-53.09%
FUEL REVENUE	2,053,822.16	2,662,761.53	15,837,781.93	17,892,702.47	12.97%
PURCHASED POWER CAPACITY	29,218.12	2,332,107.41	164,733.73	15,037,567.39	9028.41%
FORFEITED DISCOUNTS	88,653.57	69,156.18	461,368.36	391,523.13	-15.14%
ENERGY CONSERVATION REVENUE	61,730.97	52,180.89	356,854.83	349,027.07	-2.19%
GAW REVENUE	51,361.77	0.00	362,332.15	0.00	100.00%
NYPA CREDIT	(45,701.57)	(81,999.49)	(272,672.30)	(382,262.82)	40.19%
<b>TOTAL OPERATING REVENUES</b>	<b>5,646,191.80</b>	<b>6,722,697.97</b>	<b>40,506,534.64</b>	<b>44,358,344.90</b>	<b>9.51%</b>
<b>OPERATING EXPENSES: (SCH E P.12)</b>					
PURCHASED POWER CAPACITY	1,472,126.33	1,414,428.94	8,887,799.47	8,328,932.33	-6.29%
PURCHASED POWER TRANSMISSION	796,167.18	814,302.36	5,887,307.13	6,459,229.67	9.71%
PURCHASED POWER FUEL	3,666,453.24	2,754,212.60	15,799,467.37	15,834,165.44	0.22%
OPERATING MAINTENANCE	628,919.09	1,034,196.71	4,775,785.43	5,420,628.82	13.50%
DEPRECIATION	231,917.37	288,553.09	1,392,435.79	1,712,033.71	22.95%
VOLUNTARY PAYMENTS TO TOWNS	314,969.55	321,788.79	1,889,817.30	1,930,732.74	2.17%
	115,183.65	108,754.00	698,517.00	698,754.00	0.03%
<b>TOTAL OPERATING EXPENSES</b>	<b>7,225,736.41</b>	<b>6,736,236.49</b>	<b>39,331,129.49</b>	<b>40,384,476.71</b>	<b>2.68%</b>
<b>OPERATING INCOME</b>	<b>(1,579,544.61)</b>	<b>(13,538.52)</b>	<b>1,175,405.15</b>	<b>3,973,868.19</b>	<b>238.08%</b>
<b>NONOPERATING REVENUES (EXPENSES)</b>					
CONTRIBUTIONS IN AID OF CONST	0.00	72,324.72	23,066.88	77,361.92	0.00%
RETURN ON INVESTMENT TO READING	(191,768.41)	(194,405.25)	(1,150,610.50)	(1,166,431.50)	1.38%
INTEREST INCOME	5,819.92	13,520.26	23,380.78	70,884.88	203.18%
INTEREST EXPENSE	(1,394.32)	(1,500.29)	(2,685.91)	(2,793.19)	3.99%
OTHER (MDSE AND AMORT)	2,833.00	2,404.75	117,922.67	99,626.78	-15.52%
<b>TOTAL NONOPERATING REV (EXP)</b>	<b>(184,509.81)</b>	<b>(107,655.81)</b>	<b>(988,926.08)</b>	<b>(921,351.11)</b>	<b>-6.83%</b>
<b>CHANGE IN NET ASSETS</b>	<b>(1,764,054.42)</b>	<b>(121,194.33)</b>	<b>186,479.07</b>	<b>3,052,517.08</b>	<b>1536.92%</b>
<b>NET ASSETS AT BEGINNING OF YEAR</b>			<b>98,317,178.79</b>	<b>101,873,334.16</b>	<b>3.62%</b>
<b>NET ASSETS AT END OF DECEMBER</b>			<b>98,503,657.86</b>	<b>104,925,851.24</b>	<b>6.52%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
12/31/2014

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE*	% CHANGE
<b>OPERATING REVENUES: (SCH F P.11B)</b>				
BASE REVENUE	11,069,787.66	11,272,531.00	(202,743.34)	-1.80%
FUEL REVENUE	17,892,702.47	19,318,416.00	(1,425,713.53)	-7.38%
PURCHASED POWER CAPACITY	15,037,567.39	15,227,260.00	(189,692.61)	100.00%
FORFEITED DISCOUNTS	391,523.13	580,377.00	(188,853.87)	-32.54%
ENERGY CONSERVATION REVENUE	349,027.07	362,555.00	(13,527.93)	-3.73%
NYPA CREDIT	(382,262.82)	(349,998.00)	(32,264.82)	9.22%
<b>TOTAL OPERATING REVENUES</b>	<b>44,358,344.90</b>	<b>46,411,141.00</b>	<b>(2,052,796.10)</b>	<b>-4.42%</b>
<b>OPERATING EXPENSES: (SCH G P.12A)</b>				
PURCHASED POWER CAPACITY	8,328,932.33	8,278,112.00	50,820.33	0.61%
PURCHASED POWER TRANSMISSION	6,459,229.67	6,310,407.00	148,822.67	2.36%
PURCHASED POWER FUEL	15,834,165.44	17,261,078.00	(1,426,912.56)	-8.27%
OPERATING MAINTENANCE	5,420,628.82	5,502,931.00	(82,302.18)	-1.50%
DEPRECIATION	1,712,033.71	1,629,121.00	82,912.71	5.09%
VOLUNTARY PAYMENTS TO TOWNS	698,754.00	708,000.00	(9,246.00)	-1.31%
<b>TOTAL OPERATING EXPENSES</b>	<b>40,384,476.71</b>	<b>41,635,647.00</b>	<b>(1,251,170.29)</b>	<b>-3.01%</b>
<b>OPERATING INCOME</b>	<b>3,973,868.19</b>	<b>4,775,494.00</b>	<b>(801,625.81)</b>	<b>-16.79%</b>
<b>NONOPERATING REVENUES (EXPENSES)</b>				
CONTRIBUTIONS IN AID OF CONST	77,361.92	100,000.00	(22,638.08)	-22.64%
RETURN ON INVESTMENT TO READING	(1,166,431.50)	(1,166,430.00)	(1.50)	0.00%
INTEREST INCOME	70,884.88	49,998.00	20,886.88	41.78%
INTEREST EXPENSE	(2,793.19)	(1,500.00)	(1,293.19)	86.21%
OTHER (MDSE AND AMORT)	99,626.78	138,000.00	(38,373.22)	-27.81%
<b>TOTAL NONOPERATING REV (EXP)</b>	<b>(921,351.11)</b>	<b>(879,932.00)</b>	<b>(41,419.11)</b>	<b>4.71%</b>
<b>CHANGE IN NET ASSETS</b>	<b>3,052,517.08</b>	<b>3,895,562.00</b>	<b>(843,044.92)</b>	<b>-21.64%</b>
<b>NET ASSETS AT BEGINNING OF YEAR</b>	<b>101,873,334.16</b>	<b>101,873,334.16</b>	<b>0.00</b>	<b>0.00%</b>
<b>NET ASSETS AT END OF DECEMBER</b>	<b>104,925,851.24</b>	<b>105,768,896.16</b>	<b>(843,044.92)</b>	<b>-0.80%</b>

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
RECONCILIATION OF CAPITAL FUNDS  
12/31/2014

SOURCE OF CAPITAL FUNDS:

DEPRECIATION FUND BALANCE 7/1/14	4,130,584.59
CONSTRUCTION FUND BALANCE 7/1/14	1,000,000.00
INTEREST ON DEPRECIATION FUND FY 15	10,803.92
DEPRECIATION TRANSFER FY 15	<u>1,930,732.74</u>
TOTAL SOURCE OF CAPITAL FUNDS	7,072,121.25

USE OF CAPITAL FUNDS:

LESS PAID ADDITIONS TO PLANT THRU DECEMBER	1,433,980.05
GENERAL LEDGER CAPITAL FUNDS BALANCE 12/31/14	<u><u>5,638,141.20</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SALES OF KILOWATT HOURS  
12/31/2014

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	19,444,759	20,300,731	136,078,198	132,001,856	-3.00%
COMM. AND INDUSTRIAL SALES	29,616,270	30,366,339	211,200,809	209,130,663	-0.98%
PRIVATE STREET LIGHTING	75,285	79,634	446,206	473,424	6.10%
<b>TOTAL PRIVATE CONSUMERS</b>	<u>49,136,314</u>	<u>50,746,704</u>	<u>347,725,213</u>	<u>341,605,943</u>	-1.76%
 MUNICIPAL SALES:					
STREET LIGHTING	240,021	242,689	1,438,286	1,457,065	1.31%
MUNICIPAL BUILDINGS	767,060	781,454	4,721,667	4,744,852	0.49%
<b>TOTAL MUNICIPAL CONSUMERS</b>	<u>1,007,081</u>	<u>1,024,143</u>	<u>6,159,953</u>	<u>6,201,917</u>	0.68%
SALES FOR RESALE	196,018	220,731	1,784,940	1,771,693	-0.74%
SCHOOL	1,257,107	1,318,323	6,883,692	7,271,199	5.63%
<b>TOTAL KILOWATT HOURS SOLD</b>	<u>51,596,520</u>	<u>53,309,901</u>	<u>362,553,798</u>	<u>356,850,752</u>	-1.57%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
KILOWATT HOURS SOLD BY TOWN  
12/31/2014

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	20,300,731	5,876,065	3,064,022	4,199,962	7,160,682
COMM & IND	30,366,339	3,756,185	249,059	4,444,092	21,917,003
PVT ST LIGHTS	79,634	13,418	1,524	24,860	39,832
PUB ST LIGHTS	242,689	81,549	32,770	42,664	85,706
MUNI BLDGS	781,454	231,604	159,682	121,771	268,397
SALES/RESALE	220,731	220,731	0	0	0
SCHOOL	1,318,323	418,115	280,685	226,220	393,303
<b>TOTAL</b>	<b>53,309,901</b>	<b>10,597,667</b>	<b>3,787,742</b>	<b>9,059,569</b>	<b>29,864,923</b>

YEAR TO DATE

RESIDENTIAL	132,001,856	40,728,564	19,235,022	30,191,268	41,847,002
COMM & IND	209,130,663	25,652,832	1,634,982	32,300,531	149,542,318
PVT ST LIGHTS	473,424	80,192	9,144	148,826	235,262
PUB ST LIGHTS	1,457,065	489,641	196,757	256,065	514,602
MUNI BLDGS	4,744,852	1,156,623	1,012,866	876,551	1,698,812
SALES/RESALE	1,771,693	1,771,693	0	0	0
SCHOOL	7,271,199	2,511,266	1,547,450	1,121,640	2,090,843
<b>TOTAL</b>	<b>356,850,752</b>	<b>72,390,811</b>	<b>23,636,221</b>	<b>64,894,881</b>	<b>195,928,839</b>

LAST YEAR  
TO DATE

RESIDENTIAL	136,078,198	42,364,763	19,578,083	31,553,350	42,582,002
COMM & IND	211,200,809	25,831,508	1,718,672	32,421,331	151,229,298
PVT ST LIGHTS	446,206	78,774	8,270	133,298	225,864
PUB ST LIGHTS	1,438,286	484,032	195,000	251,232	508,022
MUNI BLDGS	4,721,667	1,172,195	946,931	890,094	1,712,447
SALES/RESALE	1,784,940	1,784,940	0	0	0
SCHOOL	6,883,692	2,477,598	1,582,622	824,360	1,999,112
<b>TOTAL</b>	<b>362,553,798</b>	<b>74,193,810</b>	<b>24,029,578</b>	<b>66,073,665</b>	<b>198,256,745</b>

KILOWATT HOURS SOLD TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	38.08%	11.02%	5.75%	7.88%	13.43%
COMM & IND	56.96%	7.05%	0.47%	8.34%	41.10%
PVT ST LIGHTS	0.15%	0.03%	0.00%	0.05%	0.07%
PUB ST LIGHTS	0.46%	0.15%	0.06%	0.08%	0.17%
MUNI BLDGS	1.47%	0.43%	0.30%	0.23%	0.51%
SALES/RESALE	0.41%	0.41%	0.00%	0.00%	0.00%
SCHOOL	2.47%	0.78%	0.53%	0.42%	0.74%
<b>TOTAL</b>	<b>100.00%</b>	<b>19.87%</b>	<b>7.11%</b>	<b>17.00%</b>	<b>56.02%</b>

YEAR TO DATE

RESIDENTIAL	36.99%	11.41%	5.39%	8.46%	11.73%
COMM & IND	58.60%	7.19%	0.46%	9.05%	41.90%
PVT ST LIGHTS	0.13%	0.02%	0.00%	0.04%	0.07%
PUB ST LIGHTS	0.41%	0.14%	0.06%	0.07%	0.14%
MUNI BLDGS	1.33%	0.32%	0.28%	0.25%	0.48%
SALES/RESALE	0.50%	0.50%	0.00%	0.00%	0.00%
SCHOOL	2.04%	0.70%	0.43%	0.31%	0.60%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.28%</b>	<b>6.62%</b>	<b>18.18%</b>	<b>54.92%</b>

LAST YEAR  
TO DATE

RESIDENTIAL	37.54%	11.69%	5.40%	8.70%	11.75%
COMM & IND	58.25%	7.12%	0.47%	8.94%	41.72%
PVT ST LIGHTS	0.12%	0.02%	0.00%	0.04%	0.06%
PUB ST LIGHTS	0.40%	0.13%	0.05%	0.07%	0.15%
MUNI BLDGS	1.30%	0.32%	0.26%	0.25%	0.47%
SALES/RESALE	0.49%	0.49%	0.00%	0.00%	0.00%
SCHOOL	1.90%	0.68%	0.44%	0.23%	0.55%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.45%</b>	<b>6.62%</b>	<b>18.23%</b>	<b>54.70%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
FORMULA INCOME  
12/31/2014

TOTAL OPERATING REVENUES	(P.3)	44,358,344.90
ADD:		
POLE RENTAL		0.00
INTEREST INCOME ON CUSTOMER DEPOSITS		2,379.60
LESS:		
OPERATING EXPENSES	(P.3)	(40,384,476.71)
CUSTOMER DEPOSIT INTEREST EXPENSE		(2,793.19)
FORMULA INCOME (LOSS)		<u>3,973,454.60</u>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
GENERAL STATISTICS  
12/31/2014

		MONTH OF DEC 2013	MONTH OF DEC 2014	% CHANGE		YEAR DEC 2013	THRU DEC 2014
				2013	2014		
SALE OF KWH	(P. 5)	51,596,520	53,309,901	-1.46%	-1.57%	362,553,798	356,850,752
KWH PURCHASED		60,841,227	51,136,295	-1.76%	-5.19%	376,133,944	356,594,886
AVE BASE COST PER KWH		0.037698	0.027660	4.31%	-40.64%	0.039349	0.023357
AVE BASE SALE PER KWH		0.066034	0.031673	0.61%	-52.34%	0.065083	0.031021
AVE COST PER KWH		0.097961	0.081520	-4.04%	-16.71%	0.081354	0.067761
AVE SALE PER KWH		0.105839	0.081622	-4.29%	-25.38%	0.108767	0.081161
FUEL CHARGE REVENUE (P. 3)		2,053,822.16	2,662,761.53	-12.07%	12.97%	15,837,781.93	17,892,702.47
LOAD FACTOR		71.90%	63.96%				
PEAK LOAD		115,912	109,529				

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF CASH AND INVESTMENTS  
12/31/2014

SCHEDULE A

	PREVIOUS YEAR	CURRENT YEAR
<b>UNRESTRICTED CASH</b>		
CASH - OPERATING FUND	10,247,798.40	10,581,094.96
CASH - PETTY CASH	3,000.00	3,000.00
TOTAL UNRESTRICTED CASH	10,250,798.40	10,584,094.96
 <b>RESTRICTED CASH</b>		
CASH - DEPRECIATION FUND	4,555,865.98	5,638,141.20
CASH - CONSTRUCTION FUND	0.00	0.00
CASH - TOWN PAYMENT	0.00	0.00
CASH - DEFERRED FUEL RESERVE	2,375,129.64	5,808,969.17
CASH - RATE STABILIZATION FUND	6,701,132.09	6,752,704.96
CASH - UNCOLLECTIBLE ACCTS RESERVE	200,000.00	200,000.00
CASH - SICK LEAVE BENEFITS	2,035,367.88	1,703,067.10
CASH - HAZARD WASTE RESERVE	150,000.00	150,000.00
CASH - CUSTOMER DEPOSITS	719,656.51	835,189.91
CASH - ENERGY CONSERVATION	411,548.87	525,077.98
TOTAL RESTRICTED CASH	17,148,700.97	21,613,150.32
 <b>INVESTMENTS</b>		
SICK LEAVE BUYBACK	850,000.00	1,292,906.26
TOTAL CASH BALANCE	28,249,499.37	33,490,151.54

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF ACCOUNTS RECEIVABLE  
12/31/2014

SCHEDULE B

SCHEDULE OF ACCOUNTS RECEIVABLE	PREVIOUS YEAR	CURRENT YEAR
RESIDENTIAL AND COMMERCIAL	2,970,327.56	3,112,258.30
ACCOUNTS RECEIVABLE - OTHER	174,697.25	109,841.03
ACCOUNTS RECEIVABLE - LIENS	37,169.47	37,433.70
ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES	892.14	892.14
SALES DISCOUNT LIABILITY	(256,649.05)	(241,453.34)
RESERVE FOR UNCOLLECTIBLE ACCOUNTS	<u>(228,140.84)</u>	<u>(261,911.57)</u>
TOTAL ACCOUNTS RECEIVABLE BILLED	2,698,296.53	2,757,060.26
UNBILLED ACCOUNTS RECEIVABLE	4,158,022.50	5,622,269.28
TOTAL ACCOUNTS RECEIVABLE, NET	<u><u>6,856,319.03</u></u>	<u><u>8,379,329.54</u></u>

SCHEDULE OF PREPAYMENTS

PREPAID INSURANCE	1,301,586.22	1,363,687.83
PREPAYMENT PURCHASED POWER	(182,311.68)	292,218.45
PREPAYMENT PASNY	242,260.90	259,957.39
PREPAYMENT WATSON	153,534.60	183,285.94
PURCHASED POWER WORKING CAPITAL	14,523.70	12,700.11
TOTAL PREPAYMENT	<u><u>1,529,593.74</u></u>	<u><u>2,111,849.72</u></u>

ACCOUNTS RECEIVABLE AGING DECEMBER 2014:

RESIDENTIAL AND COMMERCIAL	3,112,258.30
LESS: SALES DISCOUNT LIABILITY	<u>(241,453.34)</u>
GENERAL LEDGER BALANCE	<u><u>2,870,804.96</u></u>

CURRENT	2,514,143.57	87.57%
30 DAYS	253,167.09	8.82%
60 DAYS	54,761.00	1.91%
90 DAYS	10,882.22	0.38%
OVER 90 DAYS	<u>37,851.08</u>	<u>1.32%</u>
TOTAL	<u><u>2,870,804.96</u></u>	<u><u>100.00%</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE  
12/31/2014

SCHEDULE D

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	2,304,281.88	1,931,030.98	16,596,559.56	12,602,060.91	-24.07%
COMM AND INDUSTRIAL SALES	2,894,470.89	2,198,959.18	21,194,792.60	15,036,790.21	-29.05%
PRIVATE STREET LIGHTING	5,310.21	9,509.48	32,996.98	56,577.48	71.46%
<b>TOTAL PRIVATE CONSUMERS</b>	<u>5,204,062.98</u>	<u>4,139,499.64</u>	<u>37,824,349.14</u>	<u>27,695,428.60</u>	-26.78%
MUNICIPAL SALES:					
STREET LIGHTING	25,915.65	29,862.95	160,116.25	179,165.20	11.90%
MUNICIPAL BUILDINGS	82,592.19	63,341.27	522,497.85	378,010.93	-27.65%
<b>TOTAL MUNICIPAL CONSUMERS</b>	<u>108,507.84</u>	<u>93,204.22</u>	<u>682,614.10</u>	<u>557,176.13</u>	-18.38%
SALES FOR RESALE	21,353.23	18,738.74	201,562.25	151,783.49	-24.70%
SCHOOL	127,004.89	99,810.38	725,392.38	558,101.91	-23.06%
<b>SUB-TOTAL</b>	<u>5,460,928.94</u>	<u>4,351,252.98</u>	<u>39,433,917.87</u>	<u>28,962,490.13</u>	-26.55%
FORFEITED DISCOUNTS	88,653.57	69,156.18	461,368.36	391,523.13	-15.14%
PURCHASED POWER CAPACITY	29,218.12	2,332,107.41	164,733.73	15,037,567.39	9028.41%
ENERGY CONSERVATION - RESIDENTIAL	19,456.48	20,310.69	136,150.72	132,054.59	-3.01%
ENERGY CONSERVATION - COMMERCIAL	42,274.49	31,870.20	220,704.11	216,972.48	-1.69%
GAW REVENUE	51,361.77	0.00	362,332.15	0.00	-100.00%
NYPA CREDIT	(45,701.57)	(81,999.49)	(272,672.30)	(382,262.82)	40.19%
<b>TOTAL REVENUE</b>	<u>5,646,191.80</u>	<u>6,722,697.97</u>	<u>40,506,534.64</u>	<u>44,358,344.90</u>	9.51%



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE BY TOWN  
12/31/2014

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	1,931,030.98	565,079.73	288,428.25	400,516.63	677,006.37
INDUS/MUNI BLDG	2,262,300.45	324,253.24	34,520.56	355,765.75	1,547,760.90
PUB. ST. LIGHTS	29,862.95	10,014.23	4,024.08	5,269.55	10,555.09
PRV. ST. LIGHTS	9,509.48	1,571.38	185.16	3,083.39	4,669.55
CO-OP RESALE	18,738.74	18,738.74	0.00	0.00	0.00
SCHOOL	99,810.38	32,259.71	20,590.45	17,824.04	29,136.18
<b>TOTAL</b>	<b>4,351,252.98</b>	<b>951,917.03</b>	<b>347,748.50</b>	<b>782,459.36</b>	<b>2,269,128.09</b>

THIS YEAR TO DATE

RESIDENTIAL	12,602,060.91	3,907,480.73	1,823,444.98	2,875,877.06	3,995,258.14
INDUS/MUNI BLDG	15,414,801.14	2,143,065.81	216,197.37	2,502,007.04	10,553,530.92
PUB. ST. LIGHTS	179,165.20	60,085.38	24,144.48	31,604.80	63,330.54
PRV. ST. LIGHTS	56,577.48	9,414.06	1,110.96	18,425.51	27,626.95
CO-OP RESALE	151,783.49	151,783.49	0.00	0.00	0.00
SCHOOL	558,101.91	194,742.93	117,493.21	88,077.12	157,788.65
<b>TOTAL</b>	<b>28,962,490.13</b>	<b>6,466,572.40</b>	<b>2,182,390.98</b>	<b>5,515,991.54</b>	<b>14,797,535.21</b>

LAST YEAR TO DATE

RESIDENTIAL	16,596,559.56	5,193,848.19	2,374,662.43	3,848,620.33	5,179,428.61
INDUS/MUNI BLDG	21,717,290.45	2,920,532.11	292,158.92	3,457,590.47	15,047,008.95
PUB. ST. LIGHTS	160,116.25	52,046.58	20,548.13	28,422.34	59,099.20
PRV. ST. LIGHTS	32,996.98	5,765.57	599.63	10,212.97	16,418.81
CO-OP RESALE	201,562.25	201,562.25	0.00	0.00	0.00
SCHOOL	725,392.38	262,793.76	163,641.43	89,980.61	208,976.58
<b>TOTAL</b>	<b>39,433,917.87</b>	<b>8,636,548.46</b>	<b>2,851,610.54</b>	<b>7,434,826.72</b>	<b>20,510,932.15</b>

PERCENTAGE OF OPERATING INCOME TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	44.38%	12.99%	6.63%	9.20%	15.56%
INDUS/MUNI BLDG	51.99%	7.45%	0.79%	8.18%	35.57%
PUB. ST. LIGHTS	0.69%	0.23%	0.09%	0.12%	0.24%
PRV. ST. LIGHTS	0.22%	0.04%	0.00%	0.04%	0.11%
CO-OP RESALE	0.43%	0.43%	0.00%	0.00%	0.00%
SCHOOL	2.29%	0.74%	0.47%	0.41%	0.67%
<b>TOTAL</b>	<b>100.00%</b>	<b>21.88%</b>	<b>7.99%</b>	<b>17.98%</b>	<b>52.15%</b>

THIS YEAR TO DATE

RESIDENTIAL	43.51%	13.49%	6.30%	9.93%	13.79%
INDUS/MUNI BLDG	53.22%	7.40%	0.75%	8.64%	36.44%
PUB. ST. LIGHTS	0.62%	0.21%	0.08%	0.11%	0.22%
PRV. ST. LIGHTS	0.20%	0.03%	0.00%	0.06%	0.10%
CO-OP RESALE	0.52%	0.52%	0.00%	0.00%	0.00%
SCHOOL	1.93%	0.67%	0.41%	0.30%	0.54%
<b>TOTAL</b>	<b>100.00%</b>	<b>22.33%</b>	<b>7.54%</b>	<b>19.05%</b>	<b>51.09%</b>

LAST YEAR TO DATE

RESIDENTIAL	42.09%	13.17%	6.02%	9.76%	13.14%
INDUS/MUNI BLDG	55.07%	7.41%	0.74%	8.77%	38.15%
PUB. ST. LIGHTS	0.41%	0.13%	0.05%	0.07%	0.16%
PRV. ST. LIGHTS	0.08%	0.01%	0.00%	0.03%	0.04%
CO-OP RESALE	0.51%	0.51%	0.00%	0.00%	0.00%
SCHOOL	1.84%	0.67%	0.41%	0.23%	0.53%
<b>TOTAL</b>	<b>100.00%</b>	<b>21.90%</b>	<b>7.22%</b>	<b>18.86%</b>	<b>52.02%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING EXPENSES  
12/31/2014

SCHEDULE E

OPERATION EXPENSES:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
PURCHASED POWER CAPACITY	1,472,126.33	1,414,428.94	8,887,799.47	8,328,932.33	-6.29%
PURCHASED POWER TRANSMISSION	796,167.18	814,302.36	5,887,307.13	6,459,229.67	9.71%
<b>TOTAL PURCHASED POWER</b>	<u>2,268,293.51</u>	<u>2,228,731.30</u>	<u>14,775,106.60</u>	<u>14,788,162.00</u>	0.09%
OPERATION SUP AND ENGINEERING EXP	39,095.46	42,406.96	257,164.91	265,692.33	3.32%
STATION SUP LABOR AND MISC	8,481.58	10,928.37	54,298.17	77,234.63	42.24%
LINE MISC LABOR AND EXPENSE	76,771.06	79,469.07	381,212.33	369,751.47	-3.01%
STATION LABOR AND EXPENSE	38,488.54	59,584.28	249,717.13	254,570.59	1.94%
STREET LIGHTING EXPENSE	6,094.62	8,881.42	36,602.86	47,263.62	29.13%
METER EXPENSE	18,399.52	17,582.14	103,874.05	90,813.94	-12.57%
MISC DISTRIBUTION EXPENSE	33,668.17	42,569.79	174,751.63	218,369.73	24.96%
METER READING LABOR & EXPENSE	1,707.63	1,148.21	15,236.98	8,716.87	-42.79%
ACCT & COLL LABOR & EXPENSE	132,397.95	151,131.34	760,121.83	891,223.59	17.25%
UNCOLLECTIBLE ACCOUNTS	10,500.00	10,000.00	63,000.00	60,000.00	-4.76%
ENERGY AUDIT EXPENSE	32,763.47	33,816.71	216,549.81	202,001.26	-6.72%
ADMIN & GEN SALARIES	65,872.59	66,636.99	430,365.11	418,461.35	-2.77%
OFFICE SUPPLIES & EXPENSE	24,842.59	24,398.22	137,227.11	146,887.53	7.04%
OUTSIDE SERVICES	55,789.68	19,897.90	208,516.70	210,848.38	1.12%
PROPERTY INSURANCE	29,925.89	29,863.88	179,555.99	179,182.53	-0.21%
INJURIES AND DAMAGES	3,384.53	3,810.17	19,803.15	23,000.45	16.15%
EMPLOYEES PENSIONS & BENEFITS	(71,993.48)	295,418.38	1,059,076.00	1,510,051.33	42.58%
MISC GENERAL EXPENSE	25,781.43	24,833.61	98,406.29	81,746.18	-16.93%
RENT EXPENSE	13,786.36	13,918.27	95,835.68	83,602.95	-12.76%
ENERGY CONSERVATION	83,161.50	97,901.00	234,469.70	281,210.09	19.93%
<b>TOTAL OPERATION EXPENSES</b>	<u>628,919.09</u>	<u>1,034,196.71</u>	<u>4,775,785.43</u>	<u>5,420,628.82</u>	13.50%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	227.10	227.00	1,362.50	1,362.50	0.00%
MAINT OF STRUCT AND EQUIPMT	13,825.02	37,125.68	91,852.94	302,611.13	229.45%
MAINT OF LINES - OH	153,912.28	155,304.41	799,319.22	912,388.27	14.15%
MAINT OF LINES - UG	13,433.93	11,767.56	90,673.27	77,167.86	-14.89%
MAINT OF LINE TRANSFORMERS	421.52	7,333.46	85,797.53	60,065.12	0.00%
MAINT OF ST LT & SIG SYSTEM	(17.77)	18.88	(404.41)	(84.48)	-79.11%
MAINT OF GARAGE AND STOCKROOM	40,654.54	41,479.37	242,616.46	227,804.27	-6.11%
MAINT OF METERS	263.66	0.00	10,420.67	0.00	-100.00%
MAINT OF GEN PLANT	9,197.09	35,296.73	70,797.61	130,719.04	84.64%
<b>TOTAL MAINTENANCE EXPENSES</b>	<u>231,917.37</u>	<u>288,553.09</u>	<u>1,392,435.79</u>	<u>1,712,033.71</u>	22.95%
DEPRECIATION EXPENSE	314,969.55	321,788.79	1,889,817.30	1,930,732.74	2.17%
PURCHASED POWER FUEL EXPENSE	3,666,453.24	2,754,212.60	15,799,467.37	15,834,165.44	0.22%
VOLUNTARY PAYMENTS TO TOWNS	115,183.65	108,754.00	698,517.00	698,754.00	0.03%
<b>TOTAL OPERATING EXPENSES</b>	<u>7,225,736.41</u>	<u>6,736,236.49</u>	<u>39,331,129.49</u>	<u>40,384,476.71</u>	2.68%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
12/31/2014

SCHEDULE G

OPERATION EXPENSES:	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	%
				CHANGE
PURCHASED POWER CAPACITY	8,328,932.33	8,278,112.00	50,820.33	0.61%
PURCHASED POWER TRANSMISSION	6,459,229.67	6,310,407.00	148,822.67	2.36%
<b>TOTAL PURCHASED POWER</b>	<b>14,788,162.00</b>	<b>14,588,519.00</b>	<b>199,643.00</b>	<b>1.37%</b>
OPERATION SUP AND ENGINEERING EXP	265,692.33	291,598.00	(25,905.67)	-8.88%
STATION SUP LABOR AND MISC	77,234.63	53,674.00	23,560.63	43.90%
LINE MISC LABOR AND EXPENSE	369,751.47	337,992.00	31,759.47	9.40%
STATION LABOR AND EXPENSE	254,570.59	196,591.00	57,979.59	29.49%
STREET LIGHTING EXPENSE	47,263.62	41,780.00	5,483.62	13.12%
METER EXPENSE	90,813.94	113,244.00	(22,430.06)	-19.81%
MISC DISTRIBUTION EXPENSE	218,369.73	197,102.00	21,267.73	10.79%
METER READING LABOR & EXPENSE	8,716.87	15,419.00	(6,702.13)	-43.47%
ACCT & COLL LABOR & EXPENSE	891,223.59	851,619.00	39,604.59	4.65%
UNCOLLECTIBLE ACCOUNTS	60,000.00	60,000.00	0.00	0.00%
ENERGY AUDIT EXPENSE	202,001.26	241,886.00	(39,884.74)	-16.49%
ADMIN & GEN SALARIES	418,461.35	420,442.00	(1,980.65)	-0.47%
OFFICE SUPPLIES & EXPENSE	146,887.53	150,600.00	(3,712.47)	-2.47%
OUTSIDE SERVICES	210,848.38	193,310.00	17,538.38	9.07%
PROPERTY INSURANCE	179,182.53	226,704.00	(47,521.47)	-20.96%
INJURIES AND DAMAGES	23,000.45	24,828.00	(1,827.55)	-7.36%
EMPLOYEES PENSIONS & BENEFITS	1,510,051.33	1,446,348.00	63,703.33	4.40%
MISC GENERAL EXPENSE	81,746.18	145,452.00	(63,705.82)	-43.80%
RENT EXPENSE	83,602.95	106,002.00	(22,399.05)	-21.13%
ENERGY CONSERVATION	281,210.09	388,340.00	(107,129.91)	-27.59%
<b>TOTAL OPERATION EXPENSES</b>	<b>5,420,628.82</b>	<b>5,502,931.00</b>	<b>(82,302.18)</b>	<b>-1.50%</b>
<b>MAINTENANCE EXPENSES:</b>				
MAINT OF TRANSMISSION PLANT	1,362.50	1,500.00	(137.50)	-9.17%
MAINT OF STRUCT AND EQUIPMENT	302,611.13	241,640.00	60,971.13	25.23%
MAINT OF LINES - OH	912,388.27	837,940.00	74,448.27	8.88%
MAINT OF LINES - UG	77,167.86	65,418.00	11,749.86	17.96%
MAINT OF LINE TRANSFORMERS	60,065.12	78,000.00	(17,934.88)	-22.99%
MAINT OF ST LT & SIG SYSTEM	(84.48)	4,906.00	(4,990.48)	-101.72%
MAINT OF GARAGE AND STOCKROOM	227,804.27	283,727.00	(55,922.73)	-19.71%
MAINT OF METERS	0.00	31,126.00	(31,126.00)	-100.00%
MAINT OF GEN PLANT	130,719.04	84,864.00	45,855.04	54.03%
<b>TOTAL MAINTENANCE EXPENSES</b>	<b>1,712,033.71</b>	<b>1,629,121.00</b>	<b>82,912.71</b>	<b>5.09%</b>
DEPRECIATION EXPENSE	1,930,732.74	1,945,998.00	(15,265.26)	-0.78%
PURCHASED POWER FUEL EXPENSE	15,834,165.44	17,261,078.00	(1,426,912.56)	-8.27%
VOLUNTARY PAYMENTS TO TOWNS	698,754.00	708,000.00	(9,246.00)	-1.31%
<b>TOTAL OPERATING EXPENSES</b>	<b>40,384,476.71</b>	<b>41,635,647.00</b>	<b>(1,251,170.29)</b>	<b>-3.01%</b>

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
12/31/2014

OPERATION EXPENSES:	RESPONSIBLE SENIOR MANAGER	2015 ANNUAL BUDGET	ACTUAL YEAR TO DATE	REMAINING BUDGET BALANCE	REMAINING BUDGET %
PURCHASED POWER CAPACITY	JP	16,332,282.00	8,328,932.33	8,003,349.67	49.00%
PURCHASED POWER TRANSMISSION	JP	12,556,732.00	6,459,229.67	6,097,502.33	48.56%
TOTAL PURCHASED POWER		<u>28,889,014.00</u>	<u>14,788,162.00</u>	<u>14,100,852.00</u>	48.81%
OPERATION SUP AND ENGINEERING EXP	HJ	583,668.00	265,692.33	317,975.67	54.48%
STATION SUP LABOR AND MISC	HJ	108,848.00	77,234.63	31,613.37	29.04%
LINE MISC LABOR AND EXPENSE	HJ	657,259.00	369,751.47	287,507.53	43.74%
STATION LABOR AND EXPENSE	HJ	398,849.00	254,570.59	144,278.41	36.17%
STREET LIGHTING EXPENSE	HJ	82,907.00	47,263.62	35,643.38	42.99%
METER EXPENSE	HJ	247,938.00	90,813.94	157,124.06	63.37%
MISC DISTRIBUTION EXPENSE	HJ	402,885.00	218,369.73	184,515.27	45.80%
METER READING LABOR & EXPENSE	HJ	30,922.00	8,716.87	22,205.13	71.81%
ACCT & COLL LABOR & EXPENSE	RF	1,705,333.00	891,223.59	814,109.41	47.74%
UNCOLLECTIBLE ACCOUNTS	RF	120,000.00	60,000.00	60,000.00	50.00%
ENERGY AUDIT EXPENSE	JP	488,284.00	202,001.26	286,282.74	58.63%
ADMIN & GEN SALARIES	CO	842,170.00	418,461.35	423,708.65	50.31%
OFFICE SUPPLIES & EXPENSE	CO	301,000.00	146,887.53	154,112.47	51.20%
OUTSIDE SERVICES	CO	351,650.00	210,848.38	140,801.62	40.04%
PROPERTY INSURANCE	HJ	453,200.00	179,182.53	274,017.47	60.46%
INJURIES AND DAMAGES	HJ	49,059.00	23,000.45	26,058.55	53.12%
EMPLOYEES PENSIONS & BENEFITS	HJ	2,746,619.00	1,510,051.33	1,236,567.67	45.02%
MISC GENERAL EXPENSE	CO	240,727.00	81,746.18	158,980.82	66.04%
RENT EXPENSE	HJ	212,000.00	83,602.95	128,397.05	60.56%
URGY CONSERVATION	JP	778,812.00	281,210.09	497,601.91	63.89%
TOTAL OPERATION EXPENSES		<u>10,802,130.00</u>	<u>5,420,628.82</u>	<u>5,381,501.18</u>	49.82%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	HJ	3,000.00	1,362.50	1,637.50	54.58%
MAINT OF STRUCT AND EQUIPMT	HJ	484,026.00	302,611.13	181,414.87	37.48%
MAINT OF LINES - OH	HJ	1,675,794.00	912,388.27	763,405.73	45.55%
MAINT OF LINES - UG	HJ	130,694.00	77,167.86	53,526.14	40.96%
MAINT OF LINE TRANSFORMERS	HJ	156,000.00	60,065.12	95,934.88	61.50%
MAINT OF ST LT & SIG SYSTEM	HJ	9,745.00	(84.48)	9,829.48	100.87%
MAINT OF GARAGE AND STOCKROOM	HJ	567,531.00	227,804.27	339,726.73	59.86%
MAINT OF METERS	HJ	43,290.00	0.00	43,290.00	100.00%
MAINT OF GEN PLANT	RF	170,180.00	130,719.04	39,460.96	23.19%
TOTAL MAINTENANCE EXPENSES		<u>3,240,260.00</u>	<u>1,712,033.71</u>	<u>1,528,226.29</u>	47.16%
DEPRECIATION EXPENSE	RF	3,892,000.00	1,930,732.74	1,961,267.26	50.39%
PURCHASED POWER FUEL EXPENSE	JP	36,249,653.00	15,834,165.44	20,415,487.56	56.32%
VOLUNTARY PAYMENTS TO TOWNS	RF	1,416,000.00	698,754.00	717,246.00	50.65%
TOTAL OPERATING EXPENSES		<u>84,489,057.00</u>	<u>40,384,476.71</u>	<u>44,104,580.29</u>	52.20%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
PROFESSIONAL SERVICES  
12/31/2014

PROFESSIONAL SERVICES BY PROJECT

ITEM	DEPARTMENT	ACTUAL	BUDGET	VARIANCE
1 RMLD AND PENSION TRUST AUDIT FEES	ACCOUNTING	33,582.24	35,000.00	(1,417.76)
2 LEGAL-FERC/ISO/POWER/OTHER	INTEGRATED RESOURCES	63,029.66	69,150.00	(6,120.34)
3 NERC COMPLIANCE AND AUDIT	E & O	7,820.00	5,250.00	2,570.00
4 LEGAL	ENGINEERING	6,337.50	6,750.00	(412.50)
5 LEGAL-GENERAL	GM	82,884.15	26,502.00	56,382.15
6 LEGAL SERVICES	HR	17,194.83	31,998.00	(14,803.17)
7 SURVEY RIGHT OF WAY/ ENVIRONMENTAL	BLDG. MAINT.	0.00	5,160.00	(5,160.00)
8 INSURANCE CONSULTANT/OTHER	GEN. BENEFIT	0.00	13,500.00	(13,500.00)
TOTAL		<u>210,848.38</u>	<u>193,310.00</u>	<u>17,538.38</u>

PROFESSIONAL SERVICES BY VENDOR

	ACTUAL
MELANSON HEATH & COMPANY	29,920.00
PIM ELECTRIC POWER COMPANY	9,462.50
RUBIN AND RUDMAN	133,423.14
UTILTIY SERVICES INC.	7,820.00
CHOATE HALL & STEWART	9,184.08
WILLIAM F. CROWLEY- ATTORNEY	2,477.24
HUDSON RIVER ENERGY GROUP	2,925.62
STONE CONSULTING	1,000.00
TRI COUNTY APPRAISAL OF SOUTH FLORIDA	525.00
DUNCAN & ALLEN	14,110.80
TOTAL	<u>210,848.38</u>



RMLD  
 DEFERRED FUEL CASH RESERVE ANALYSIS  
 12/31/14

DATE	GROSS CHARGES	REVENUES	NYPA CREDIT	MONTHLY DEFERRED	TOTAL DEFERRED
Jun-14					4,132,694.96
Jul-14	3,287,589.94	3,782,699.41	(35,898.34)	459,211.13	4,591,906.09
Aug-14	2,768,364.01	3,844,854.74	(47,884.92)	1,028,605.81	5,620,511.90
Sep-14	2,358,565.60	2,758,999.30	(73,836.15)	326,597.55	5,947,109.45
Oct-14	2,290,434.18	2,425,374.16	(74,545.03)	60,394.95	6,007,504.40
Nov-14	2,374,999.11	2,418,013.33	(68,098.89)	(25,084.67)	5,982,419.73
Dec-14	2,754,212.60	2,662,761.53	(81,999.49)	(173,450.56)	5,808,969.17

RMLD  
 BUDGET VARIANCE REPORT  
 FOR PERIOD ENDING NOVEMBER 30, 2014

DIVISION	ACTUAL	BUDGET	VARIANCE	% CHANGE
BUSINESS DIVISION	5,073,497	5,013,356	60,141	1.20%
INTEGRATED RESOURCES AND PLANNING	546,241	699,376	(153,135)	-21.90%
ENGINEERING AND OPERATIONS	2,593,895	2,436,756	157,139	6.45%
FACILITY	2,300,398	2,380,464	(80,066)	-3.36%
GENERAL MANAGER	417,341	424,026	(6,685)	-1.58%
SUB-TOTAL	10,931,372	10,953,978	(22,605)	-0.21%
PURCHASED POWER CAPACITY	8,328,932	8,278,112	50,820	0.61%
PURCHASED POWER TRANSMISSION	6,459,230	6,310,407	148,823	2.36%
PURCHASED POWER FUEL	15,834,165	17,261,078	(1,426,913)	-8.27%
TOTAL	41,553,700	42,803,575	(1,249,875)	-2.92%

M.G.L. CHAPTER 30B BIDS  
BOARD REFERENCE TAB E





RMLD



Reading Municipal Light Department  
RELIABLE POWER FOR GENERATIONS

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

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

January 21, 2015

Town of Reading Municipal Light Board

Subject: Line Truck Chassis Inspection, Preventative Maintenance and Repairs

On December 31, 2014 a bid invitation was placed as a legal notice in the Reading Chronicle, Middlesex East and on December 29, 2014 in the Goods and Services Bulletin requesting proposals for Line Truck Chassis Inspection, Preventative Maintenance and Repairs for the Reading Municipal Light Department.

An invitation to bid was sent to the following four companies:

Lowell Fleet Maintenance  
Trucks

Parker's Pitstop

Ryder Truck Rental & Leasing

S. Benedetto & Sons, Inc.

Taylor & Lloyd, Inc.

Bids were received from one company:

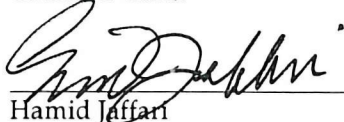
The bid was publicly opened and read aloud at 11:00 a.m. on January 15, 2015, in the Town of Reading Municipal Light Department's Audio Visual Spurr Room, 230 Ash Street, Reading, Massachusetts.

The bid was reviewed, analyzed and evaluated by staff and recommended by the General Manager. Move that bid 2015-12 for: Line Truck Chassis Inspection, Preventative Maintenance and Repairs be awarded to: Taylor & Lloyd, Inc. for \$100,192.30 as the lowest qualified and responsive bidder on the recommendation of the General Manager. (This is a 3-year contract.)

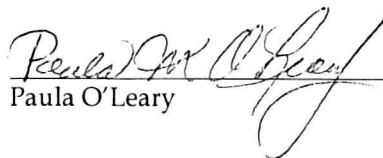
IFB 2015-12 is funded through the Transportation Operating budget.



Coleen O'Brien



Hamid Jaffari



Paula O'Leary

**Line Truck Chassis Inspection, Preventative Maintenance and Repairs**

**Bid 2015-12**

<u>Bidder</u>	<u>Three-Year Total Cost</u>	<u>Year 1 2015</u>	<u>Year 2 2016</u>	<u>Year 3 2017</u>	<u>Responsive Bidder</u>	<u>Specifications Met</u>
Taylor & Lloyd, Inc.	\$100,192.30	\$33,136.74	\$33,342.70	\$33,712.86	Yes	Yes

Notes for Non-Response

1. Lowell Fleet Maintenance Trucks: Does not recall or have a reason for non-response.
2. S. Benedetto & Sons, Inc.: No response to inquiry.
3. Ryder Truck Rental & Leasing: No response to inquiry.
4. Parker's Pitstop: Complexity of the bid for a small shop, not enough detail within bid, suggested hourly bid next time, vendor was afraid that he would lose money.

230 Ash Street  
P.O. Box 150  
Reading, MA 01867-0250Tel: (781) 944-1340  
Fax: (781) 942-2409  
Web: www.rmld.com

January 20, 2015

Town of Reading Municipal Light Board

Subject: RFP 2015-16 – RF Mesh AMI System

On Monday, November 3, 2014, a Request for Proposal (RFP) invitation was published in the Commonwealth of Massachusetts' Goods and Services Bulletin, and on Wednesday, November 5, 2014, a bid invitation was placed as a legal notice in the Daily Times Chronicle, Middlesex East Section, requesting proposals for an RF Mesh AMI System to integrate a two-way communication system with electric meters for the Reading Municipal Light Department (RMLD).

Proposals were sent to the following companies who filed a Non-Disclosure Agreement (NDA) with the RMLD:

AVCOM	Harris Utilities	Sensus Metering Systems
Eaton's Cooper Power Systems	Landis & Gyr via Stuart Irby	Shamrock Power Sales
Elster Solutions	Maverick Corp.	Tantalus
Green Mountain Integrated Communication Solutions	Mueller Systems	Wesco
Hasgo Power Sales		

Proposals were received from the following two companies: Eaton's Cooper Power Systems and Elster Solutions.

The Non-Price Proposals were opened on Friday, December 12, 2014, in the Town of Reading Municipal Light Department's Winfred Spurr Room, 230 Ash Street, Reading, MA. The Proposals were distributed and reviewed by the following departments: Engineering, Integrated Resources Planning, MIS, and Purchasing. The Price Proposals were opened on December 30, 2014, in the General Manager's Conference Room.

The Evaluation Committee included the following: Director of Engineering and Operations, Integrated Resources Manager, Energy Efficiency Manager, MIS Manager, Technical Services Manager, Materials Manager, and Procurement Trainer. They reviewed, analyzed, and evaluated the proposals, and using comparative criteria, developed a rating for each firm. Based on the ratings and pricing, the firm with the most advantageous proposal was Eaton's Cooper Power Systems. (See attached analysis.)



Move that RFP 2015-16 for an RF Mesh AMI System be awarded to Eaton's Cooper Power Systems, as the most advantageous responsive and responsible bidder for a total cost of \$199,936.20 on the recommendation of the General Manager.

The FY15 Capital Budget amount for this item is \$266,000.

Nick D'Alleva; Technical Services Manager

Hamid Jaffari, Director of Engineering and Operations

Coleen O'Brien, General Manager

Attachment

**2015-16 RF Mesh AMI System  
RFP ANALYSIS**

ITEM/DESCRIPTION	ELSTER	EATON'S COOPER POWER SYSTEM	
		ITRON/ ELSTER METERS	LANDIS & GYR/ ELSTER METERS
<b>Master Station</b>	\$ 5,000.00	\$ 55,850.00	\$ 55,850.00
<b>Collectors</b>	\$ 32,049.99	\$ 18,793.00	\$ 18,793.00
<b>Additional Equipment</b>	\$ 26,180.00	\$ 21,035.00	\$ 21,035.00
<b>Single-phase Electric AMI Endpoints</b>	\$ 1,660.00	\$ 2,250.00	\$ -
<b>Single-phase Electric Disconnect AMI Endpoints</b>	\$ 216.00	\$ 365.00	\$ -
<b>Polyphase Electric AMI Endpoints</b>	\$ 16,365.00	\$ 32,740.00	\$ 32,740.00
<b>Two-way Demand Response/Load Control Receiver</b>	\$ 286.62	\$ 290.00	\$ 290.00
<b>Distribution Automation</b>	\$ -	\$ 6,000.00	\$ 6,000.00
<b>Ongoing Costs</b>	\$ 895.00	\$ 10,700.00	\$ 10,700.00
<b>Project Management Services</b>	\$ 94,920.00	\$ 50,000.00	\$ 50,000.00
<b>Shipping</b>	\$ -	\$ 1,913.20	\$ 1,913.20
<b>TOTAL</b>	<b>\$177,572.61</b>	<b>\$199,936.20</b>	<b>\$197,321.20</b>

Eatons's Cooper Power Systems was selected for the following reasons:

1. Eaton received a rating of Highly Advantageous in comparing the RFP's criteria.
2. RMLD will own the Eaton Master Station & Yukon software. Elster is hosting the server at a remote site.
3. Eaton's AMI/DA solution has a 300kbs bandwidth while Elster does not.
4. Eaton can read Itron residential meters while Elster cannot read Itron meters at the present time.
5. Eaton has SQL Database Engine and Elster does not.
6. Elster took some exceptions to RMLD technical specification while Eaton did not.





RMLD



Reading Municipal Light Department  
RELIABLE POWER FOR GENERATIONS

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

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

January 16, 2015

Town of Reading Municipal Light Board

Subject: Sicame Connectors

On December 31, 2014 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle requesting proposals for Sicame Connectors for the Reading Municipal Light Department.

Specifications were emailed to the following:

Power Tech dba UPSC	J.F. Gray & Associates	Hasgo Power Sales
Robinson Sales	E.L. Flowers & Associates	Power Sales Group
Metro West	HD Industrial Services	Genergy
Wesco	MVA Power, Inc.	Siemens Industry, Inc.
Graybar Electric Company	Stuart C. Irby	

Bids were received from WESCO, Graybar and Stuart Irby.

The bids were publicly opened and read aloud at 11:00 a.m. January 15, 2015 in the Town of Reading Municipal Light Department's Board Room, 230 Ash Street, Reading, Massachusetts.

The bids were reviewed, analyzed and evaluated by the staff.

Move that bid 2015-17 for Sicame Connectors be awarded to:

**WESCO for a total cost of \$67,950.00**

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Unit Cost</u>	<u>Net Cost</u>
1	6000	Sicame Parallel Grove Connectors #TTD2710FB-T-UN1	\$8.55	\$51,300.00
2	3000	Sicame Parallel Grove Connectors #TTD1510FT	\$5.55	\$16,650.00

as the lowest responsive and responsible qualified bidder for a total cost of \$67,950.00 on the recommendation of the General Manager (see attached Bid Analysis 2015-17).

This purchase will be placed in inventory and will be charged to service upgrade projects and new customer service connections.


The FY '15 Operating budget amount for this item is \$71,000.00.



\_\_\_\_\_  
Coleen O'Briert



\_\_\_\_\_  
Hamid Jaffari



\_\_\_\_\_  
Peter Price

**Sicame Parallel Groove Connectors  
Bid 2015-17**

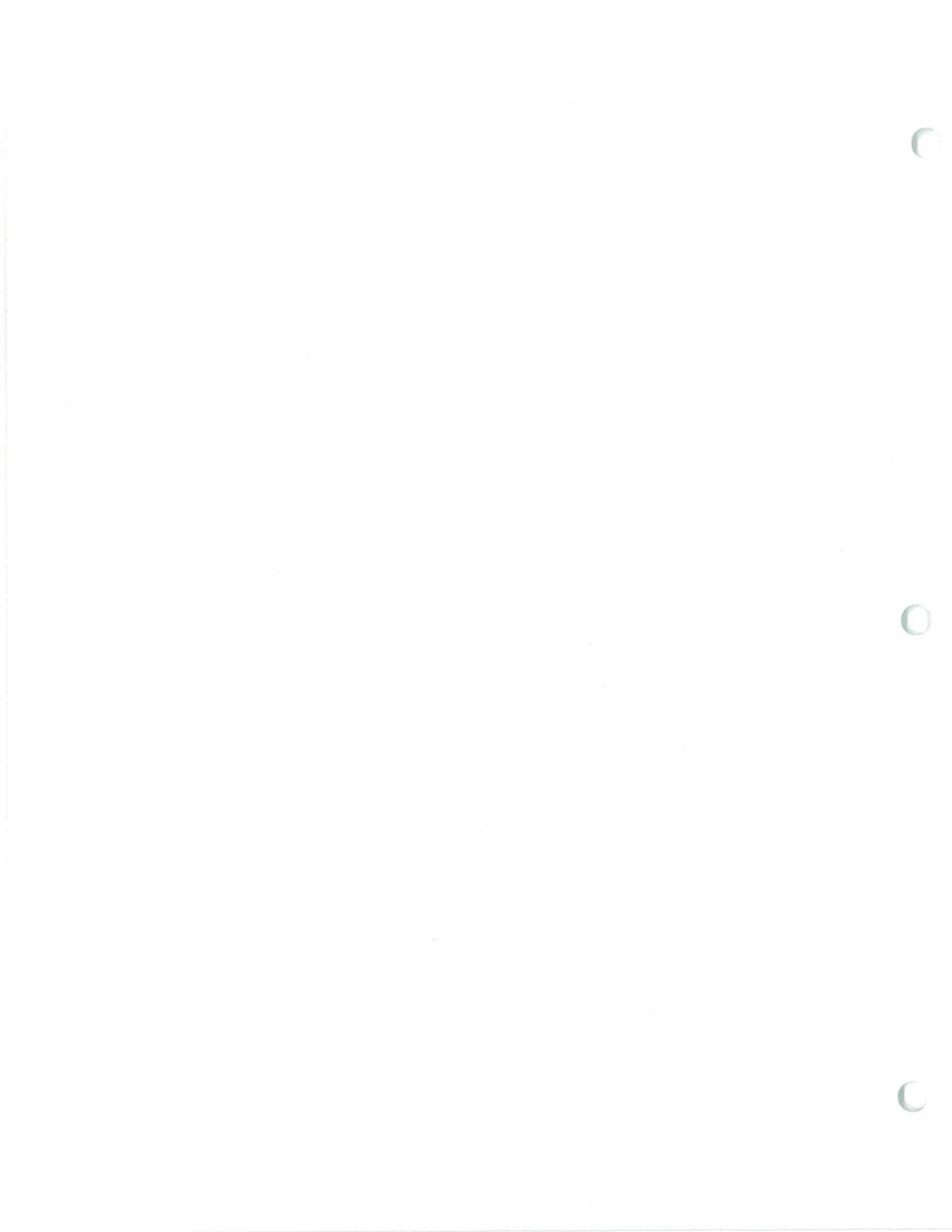
Bidder	Unit Cost	Qty	Total Cost	Delivery Date	Firm Price	All forms filled out	Certified Check or Bid Bond	Exceptions to stated bid requirements	Authorized signature
<b>WESCO</b>									
Item 1 (#TTD2710FB-T-UN1)	\$8.55	6000	\$51,300.00	in stock	yes	yes	yes	no	yes
Item 2 (#TTD1510FT)	\$5.55	3000	\$16,650.00	in stock					
			<u>\$67,950.00</u>						
<b>Graybar</b>									
Item 1 (#TTD2710FB-T-UN1)	\$8.06	6000	\$48,360.00	delivery subject to prior sales	yes	yes	yes	no	yes
Item 2 (#TTD1510FT)	\$5.17	3000	\$15,510.00	delivery subject to prior sales					
			<u>\$63,870.00</u>						
<b>Stuart Irby</b>									
Item 1 (#TTD2710FB-T-UN1)	\$9.34	6000	\$56,040.00	5-7 weeks	yes	yes	yes	no	yes
Item 2 (#TTD1510FT)	\$6.05	3000	\$18,150.00	5-7 weeks					
			<u>\$74,190.00</u>						

**\*Note:**

"Delivery subject to prior sale" designates Graybar is unable to commit to releasing items as needed.

**Note:**

Graybar was unable to fulfill the last shipment of the previous Sicame Parallel Groove Connector bid award.





BOARD MATERIAL AVAILABLE  
BUT NOT DISCUSSED



**Jeanne Foti**

---

**From:** Jeanne Foti  
**Sent:** Friday, January 23, 2015 8:36 AM  
**To:** RMLD Board Members Group  
**Subject:** Account Payable Warrant and Payroll

Good morning.

In an effort to save paper, the following timeframes had no Account Payable and Payroll questions.

**Account Payable Warrant – No Questions**

December 12, December 19 and January 16.

December 26 there was no Account Payable Warrant.

**Payroll – No Questions**

December 15, December 29 and January 12.

This e-mail will be printed for the Board Book for the RMLD Board meeting on January 29, 2015.

Jeanne Foti  
Reading Municipal Light Department  
Executive Assistant  
230 Ash Street  
Reading, MA 01867

781-942-6434 Phone  
781-942-2409 Fax

Please consider the environment before printing this e-mail.

## Jeanne Foti

---

**From:** Coleen O'Brien  
**Sent:** Thursday, January 15, 2015 3:46 PM  
**To:** David Talbot  
**Cc:** Accounting Group; Jeanne Foti; Patricia Mellino; John Stempeck; Phil Pacino; Tom O'Rourke  
**Subject:** Account Payable Warrant Questions - January 5 and January 12  
**Categories:** Blue Category

Good afternoon Dave:

January 5

1. Precision Weather Forecasting – Does the National Weather Service have the same information available? Or other free source?

Patty Mellino has looked at other sources for weather related information. The basic weather information can be found on any weather website for free. The planning types of services that the RMLD subscribes to are not offered for free. The following services help the RMLD prepare in advance.

The services offered by Precision Weather Forecasting are as follows:

- Storm warnings covering all weather events – snow, rain, heat waves, thunderstorms, etc.
- Storm reports provide utility-specific weather information issued up to 72 hours ahead of a weather event and are updated 2am, 8am, 1pm, & 8pm, during and after the event
- On-call meteorologists are available 24/7/365 to answer any weather questions & provide guidance
- All season support for week-out planning via daily 5-day forecasts
- Daily forecasts are utility-specific and issued every morning
- A good solution for scheduling staff, preparing materials / equipment, and planning projects days in advance

The Town of Reading uses the same service for winter services only.

2. Cascade Water Services – Just curious – what water are we treating for \$19,000 over the past three years? Not tap water?

January 12

Cascade performs water treatment service monthly to control scale, prevent corrosion, and eliminate microbiological growth in the following building equipment:

1. **Boiler Loop Units: 230 Ash Street, Reading, MA**
  - Two (2) Gas Fired H.B. Smith JR50A-15 60 HP Boilers
2. **Condensing Water Loop Units: 230 Ash Street, Reading, MA**
  - Two (2) BAC VTL-092, HP Cooling Towers -
3. **Condensing & Chilled Water Loop Units: 230 Ash Street, Reading, MA**

- One (1) Yazaki CH-G50, 50-ton Gas Fire Absorption Chillers

**Steam Boiler Loop Unit: 226 Ash Street, Reading, MA**

- One (1) Gas Fired Burnham KV1106-SML 1328.0 MBH Boiler





TOWN OF READING MUNICIPAL LIGHT DEPARTMENT  
RATE COMPARISONS READING & SURROUNDING TOWNS

January-15

	RESIDENTIAL 750 kWh's	RESIDENTIAL-TOU 1500 kWh's 75/25 Split	RES. HOT WATER 1000 kWh's	COMMERCIAL 7,300 kWh's 25,000 kW Demand	SMALL COMMERCIAL 1,080 kWh's 10,000 kW Demand	SCHOOL RATE 35000 kWh's 130.5 kW Demand	INDUSTRIAL - TOU 109,500 kWh's 250,000 kW Demand 80/20 Split
<b>READING MUNICIPAL LIGHT DEPT.</b>							
TOTAL BILL	\$103.21	\$180.41	\$126.90	\$931.14	\$179.42	\$4,346.55	\$710,967.52
PER KWH CHARGE	\$0.13762	\$0.12027	\$0.12690	\$0.12755	\$0.16613	\$0.12419	\$0.10334
<b>NATIONAL GRID</b>							
TOTAL BILL	\$180.78	\$360.39	\$241.03	\$1,742.04	\$252.35	\$8,378.47	\$1,495,766.18
PER KWH CHARGE	\$0.24104	\$0.24026	\$0.24103	\$0.23864	\$0.23366	\$0.23938	\$0.21742
% DIFFERENCE	75.15%	99.76%	89.93%	87.09%	40.65%	92.76%	110.38%
<b>NSTAR COMPANY</b>							
TOTAL BILL	\$182.85	\$333.51	\$241.66	\$1,482.43	\$233.37	\$7,735.54	\$1,693,296.44
PER KWH CHARGE	\$0.24380	\$0.22234	\$0.24166	\$0.70307	\$0.21608	\$0.22102	\$0.24613
% DIFFERENCE	77.16%	84.86%	90.43%	59.21%	30.07%	77.97%	138.17%
<b>PEABODY MUNICIPAL LIGHT PLANT</b>							
TOTAL BILL	\$85.31	\$165.44	\$112.02	\$999.91	\$141.97	\$4,937.43	\$684,278.90
PER KWH CHARGE	\$0.11375	\$0.11029	\$0.11202	\$0.13697	\$0.13146	\$0.14107	\$0.09946
% DIFFERENCE	-17.34%	-8.30%	-11.73%	7.39%	-20.87%	13.59%	-3.75%
<b>MIDDLETON MUNICIPAL LIGHT DEPT.</b>							
TOTAL BILL	\$99.77	\$198.39	\$132.64	\$959.51	\$168.44	\$4,762.93	\$807,171.40
PER KWH CHARGE	\$0.13303	\$0.13226	\$0.13264	\$0.13144	\$0.15596	\$0.13608	\$0.11733
% DIFFERENCE	-3.34%	9.97%	4.52%	3.05%	-6.12%	9.58%	13.53%
<b>WAKEFIELD MUNICIPAL LIGHT DEPT.</b>							
TOTAL BILL	\$126.74	\$235.92	\$159.38	\$1,202.79	\$191.68	\$5,648.08	\$955,959.30
PER KWH CHARGE	\$0.16898	\$0.15728	\$0.15938	\$0.16477	\$0.17749	\$0.16137	\$0.13896
% DIFFERENCE	22.79%	30.77%	25.59%	29.17%	6.84%	79.94%	34.46%

