

Reading Municipal Light Board of Commissioners

Regular Session

230 Ash Street

Reading, MA 01867

November 21, 2014

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

End Time of Regular Session: 8:50 p.m.

Commissioners:

David Talbot, Chairman

Philip B. Pacino, Vice Chair

John Stempeck, Commissioner

Thomas O'Rourke, Secretary Pro Tem

Staff:

Coleen O'Brien, General Manager

Hamid Jaffari, Director of Engineering and Operations

Jeanne Foti, Executive Assistant

Robert Fournier, Accounting/Business Manager

Jane Parenteau, Director, Integrated Resources

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 stated that there was no Citizens' Advisory Board representation this evening.

Commissioner O'Rourke will be the Secretary this evening.

Public Comment

No public in attendance.

Report of the Chairman

Vacancy on RMLD Board

Chairman Talbot reported Mr. Bob Soli resigned on September 17, 2014 and submitted his resignation to the Town Clerk. Since then there has been no movement on the replacement of this vacant position. Chairman Talbot asked the Town Clerk what the procedure is because his understanding was that it was automatic, the vacancy would get posted. The Town Clerk told him that he needs to go to the Board and ask for an appointment to be made. Mr. Talbot said that he is not sure if that is quite right because in the past when Mary Ellen O'Neill stepped down, the appointment process occurred with the vacancy put in the papers. Mr. Stempeck is here as the replacement. There was no Board vote. Then again when Marsie West was elected to the Board of Selectmen and vacated her seat there was a similar process by which Mr. Mancuso was appointed. There was no Board vote. Chairman Talbot commented that based on past precedent it would be automatic, but we will follow the Town Clerk's instructions.

Chairman Talbot asked for some discussion from the Board on whether we want to vote to ask for appointment or leave it until the April election. Mr. O'Rourke stated that his view was that we have a candidate that was interested in stepping forward in the interim period. We still have several months until elections; his recommendation is to go forward.

Mr. Stempeck agreed with the recommendation to go forward with it and then the procedure is to have a joint meeting with the Board of Selectmen and the Board of Commissioners in January. The individual or individuals can present themselves at that time as we get ready during the three to four month timeframe before they have to run for election.

Chairman Talbot stated that his own feeling about it, given how late it is in the year, is that none of this process would happen until late December or January. It would only be a couple of meetings; then the person would have to pull papers at the same time to be on the ballot, but he will entertain a motion on the question.

Mr. Pacino made a motion seconded by Mr. O'Rourke that we ask the Town Clerk's office to post the position and proceed forward to appointing a new member.

Motion carried 4:0:0.

Chairman Talbot thanked the Board and apologized for the delay on this although it was understood from past precedent that it would happen automatically as it did occur on previous occasions. Now that this will happen maybe we can have a joint meeting with the Board of Selectmen and establish a good working relationship for the coming year. Last night at the Town Meeting, Chairman Talbot stated he had a chance to briefly chat with the five members and had a very nice discussion and they were expressing happiness with Ms. O'Brien's presentation on Tuesday at their meeting. Chairman Talbot thanked Ms. O'Brien.

Report of the Chairman

Vacancy on RMLD Board (continued)

Chairman Talbot stated that there are many good things happening at the RMLD that the public is hearing about. We are glad that the Selectmen are pleased with that and we certainly want a good relationship. It is his hope that we certainly have a meeting now with the appointment process, but even before that we can meet informally where we go to their Board meetings or they come to ours and that is the way we should have such meetings in a public forum. Chairman Talbot asked for comments on his report and there were none.

Review of RMLD General Manager

Mr. Stempeck stated that all Commissioners feel that the General Manager, Ms. Coleen O'Brien, has done an outstanding job this past year. There is a long list of issues that should have been addressed and programs that should have been initiated prior to the hiring of Ms. O'Brien. For whatever reason they fell through the cracks, but these have now been resolved and mechanisms put into place by the General Manager to make the RMLD a professionally managed organization and model, we think, for municipal electrical departments throughout Massachusetts. In light of this, after discussion and evaluation, the board would like to recommend two parts to the General Manager's compensation.

Mr. Stempeck explained they used a template that has been used in the past which is a multi-page document that assigns various percentages in terms of how the Commissioners have felt the General Manager has performed during the year then from that we moved to make a suggestion to vote on salary and/or other adjustments. As a result of that analysis we would like to propose that the salary be increased by 3% and this is a CPI plus 2%, which is the high end of the range for the salary increase itself. CPI index for this past year has been 1%; the 1% plus 2% equals a 3% salary increase which is retroactive back to July 15, 2014, which is the date within the General Manager's contract. The second element is a performance based incentive payment that we would like to recommend that covers 2013-2014 that would be a percentage of the salary called out again in the General Manager's contract. This would be a payment reflective of the significant turnaround, all the positive changes and processes the General Manager has remedied this past year. The improvements include hundreds of thousands of dollars of savings both in attorney fees and performing work internally in the RMLD that used to be out sourced on a routine basis. At this point to recognize these substantial savings, we would suggest a payment of 6%. Mr. Stempeck asked if there was any discussion. Mr. O'Rourke commented that Mr. Stempeck summarized it very well, Mr. Pacino was also in agreement. Mr. O'Rourke said that it was a great performance and that has to be recognized. Mr. Pacino said that Mr. Stempeck captured the sentiments of the subcommittee.

Mr. Pacino made a motion seconded by Mr. Stempeck that the salary be adjusted for the General Manager by a 3% salary increase, retroactive to July 15, 2014 and that a merit performance payment of 6% of the salary be paid to the General Manager for this year's work.

Motion carried 4:0:0.

Chairman Talbot added that the interim general manager last year received a \$25,000 bonus and thanked Ms. O'Brien for her work. Ms. O'Brien thanked the commission.

Approval of Board Minutes – April 24, 2014

Mr. Pacino made a motion seconded by Mr. Stempeck to approve the Regular Session meeting minutes of April 24, 2014 as presented.

Motion carried 4:0:0.

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

Ms. O'Brien stated that since the kickoff meeting at the last Board meeting with Reliability and Organizational Study consultants, Booth & Associates, who is conducting the Reliability Study, these consultants have been working with the engineering staff, have been out in the field collecting data and are starting to prepare their deliverables. Leidos, who is conducting the Organizational Study has performed approximately fifteen interviews with employees. They will be conducting interviews with the Commissioners as well as with the CAB members on December 11, 2014. It is an excellent opportunity to garner input from everyone's perspective. Ms. O'Brien said that she is very excited to see what their results are and compare them to her road map, Jane's road map, Bob's road map and Hamid's road maps. This enables us to have a totally independent review for what are the best solutions. As Mr. Stempeck stated, we want to have a professional organization moving ahead and staying competitive to keep some of the lowest rates in the state and some of the highest reliability. The Organizational and Reliability studies are moving ahead on time and on budget.

On another matter, Ms. O'Brien reported that Ms. Parenteau, Mr. Jaffari, Mr. Smith and she are making presentations to each respective town. The presentations are highlighting the targeted areas of the Organizational and Reliability Study as a means to provide information on the RFP's scope. The RMLD is bidding on a new tree trimming contract, in which the trim cut will be extended to accommodate RMLD's Tree Trimming Program. The RMLD has posted the draft Tree Trimming Program on RMLD website, found under Tree Trimming to show exactly where we will be trimming. This consists of a map and it is split up by the four towns to show where RMLD will be trimming. The LED Streetlighting Pilot Program is completed. The Town of Reading will have an address that goes through the town as well as through us.

General Manager's Report – Ms. O'Brien – General Manager (continued)

Ms. O'Brien said that the remaining towns will most likely have a Gmail account where customers can provide any information, comments, problems with the streetlights, etc. Since we have the customers' e-mail addresses those issues can be addressed by the RMLD. Now is the time for customers to provide comments since the Pilot areas are completed.

Ms. O'Brien commented that Ms. Parenteau will speak about the charging stations, commercial rebates and other incentive programs that RMLD is offering. Ms. O'Brien reported that presentations will be made as follows: Lynnfield Board of Selectmen - Monday evening, Reading Board of Selectmen - Tuesday evening, North Reading Board of Selectmen - December 5 and Wilmington Board of Selectmen - December 15.

Ms. O'Brien said that we are targeting to meet with the towns at least twice per year to provide updates on our projects along with the normal budget process, as well as other things that we do. This provides a good level of communication which they are satisfied with so far.

**Power Supply Report – September 2014 – Ms. Parenteau (Attachment 1)
July and August are contained in the packet, report will be on September.**

Ms. Parenteau reported that RMLD's load for September was approximately 58.9 million kilowatt hours, which is approximately a 1% increase compared to September 2013. RMLD's energy costs for the month were approximately \$2.4 million, equivalent to around \$0.04 per kilowatt hour. The September Fuel Charge Adjustment was set at \$0.045 per kilowatt hour and RMLD sales totaled 61.1 million kilowatt hours.

Ms. Parenteau said that as a result, RMLD over collected by approximately \$317,000 resulting in the Deferred Fuel Cash Reserve balance of \$5.9 million dollars. Ms. Parenteau commented that is typically a little higher than we normally have. However, given the upcoming winter period and the constraint on natural gas we anticipate going through a large amount of reserve money. Rather than lowering it and having to escalate it, we are trying to level it for our consumers in order that the impact will be moderate at best. Ms. Parenteau stated the Fuel Charge has remained at \$0.045 and it is currently anticipated to go to \$0.050 for December.

RMLD purchased 17% of its energy requirement on the ISO spot market at an average cost of \$38 per megawatt hour. On the capacity side, our peak demand for September occurred on September 2 at 150 megawatts. This compares to a peak demand of last year of 156 megawatts. The temperature differential which is the leading driver for our peak demand, was 95 degrees last September and this September it was only 87 degrees which accounts for this 6 megawatt decrease. Our monthly requirement for capacity was set at 208 megawatts and our total capacity dollars for the month of September was \$1.4 million, which is equivalent to a little less than \$7 per kilowatt month. RMLD's September Capacity and Energy average costs were approximately \$0.064 and for the month of September, 3.6% of RMLD's energy was purchased from hydro generation.

As of September 30, 2014, RMLD has banked or is anticipating to bank a little over 12,000 Renewable Energy Certificates (RECs) with the current estimated market value of approximately \$503,000. The RMLD is actively marketing that and once we receive any revenue for the RECs, the funds go against the fuel charge. This allows all of our customers to receive the benefit of a reduced fuel charge for any sales of renewable energy.

RMLD's cost for transmission for the month of September came in at about \$1.1 million which is down approximately 9% when we compare from August's figure and that is based on our peak demand.

Chairman Talbot stated that at Town Meeting he saw the School Superintendent and engaged in conversation about photovoltaics. The Lincoln-Sudbury School District is installing a photovoltaic canopy in its parking lot and is claiming a savings of \$2 million over twenty years. Chairman Talbot realizes that is different because their utility has higher rates. Chairman Talbot wondered if the Superintendent is talking to us or is the RMLD talking to the town, do we have a common understanding of what's possible. Ms. Parenteau answered, yes. The RMLD would be open to conversations. Ms. Parenteau reported that the RMLD has been talking to Wilmington because they have a lot of new schools and the CAB members have actively involved us in looking at photovoltaic. The RMLD is working with a commercial customer in developing a parking canopy which is set up through a PPA because we are a closed system. The RMLD does not allow third party vendors to come in and sell electricity to our customers. There are options there where the customer can purchase the solar that they use and then if capital is an issue we can work with a third party developer to sell the power to us as part of our portfolio. When we are working with a canopy, the customer receives the solar, it will go into the building and then they have the shaded area for the parking lot.

Chairman Talbot stated that the Superintendent told him that he thought there was an issue with credits that weren't available anymore; he was told by somebody at RMLD some years ago that there was some inadequate credits out there. Ms. Parenteau clarified that the state recently came out with their Phase II for SRECS, which is the Solar Energy Renewable Certificates. Those are considerably more valuable in order to incentivize development because its cost prohibitive, it's not really competitive and therefore the state has the SREC and that came out in April or May. It may be Phase I versus Phase II.

Power Supply Report – September 2014 – Ms. Parenteau (Attachment 1)

July and August are contained in the packet, report will be on September. (Continued)

Chairman Talbot stated that obviously the Superintendent of Schools is very busy with lots of things going on he senses from him he would love to make this happen at the Reading Public Schools. Ms. Parenteau said that someone from her group just met with the new Director of Facilities in Reading and we had a meeting last week to explain RMLD's peak demand reduction program and the Director of Facilities was very enthusiastic about the possibility of signing up and being able to reduce load and receive economic payment for that so we can reach out to her as a starting point.

Chairman Talbot suggested reaching out to the Superintendent instead because he specifically stated he wanted to do this and it's his impression from some prior conversation that he had at RMLD that it was not feasible for some reason. Chairman Talbot said that the Superintendent of Schools would love to hear from RMLD that this can be done and lay it out for him. Chairman Talbot suggested that we reach out to him and the same communication be given to the Town Manager as well. Ms. Parenteau stated that she will reach out to them.

LED Streetlight Rate

Ms. Parenteau reported as part of the Pilot LED Streetlight Program, RMLD is in need of filing a Municipal LED Rate. What this will achieve is that it will capture the cost of the LED fixtures over the life of those fixtures, which is estimated to be approximately twenty five years. It includes the avoidance of the maintenance costs, and because they last longer, the RMLD will not have to go out there as often to replace them. A streetlight rate has been developed that will be available to the Towns of Reading, Lynnfield, Wilmington and North Reading. Four different fixture types are currently being proposed, a 25 watt LED, a 101 watt LED, a 93 watt Flood, and a 134 watt Flood. This rate would be applicable to the towns. On average when compared to the existing rate that is paid, which is the formula rate for the high pressure sodium and the mercury vapors, depending upon the type of fixtures the towns should be saving between 30% to 40% with the filing of this new rate.

Mr. O'Rourke said that is great.

Chairman Talbot asked what that adds up to. Ms. Parenteau responded that for example, Reading pays approximately \$200,000 for streetlight accounts now; with the new rate it would be about 30% to 40 % of that amount. Ms. Parenteau then stated that the Citizens' Advisory Board (CAB) requested the preliminary number to them for each town. This was presented to the CAB on Wednesday and it was unanimously approved.

Mr. Pacino made a motion seconded by Mr. Stempeck to recommend RMLB approve the proposed LED Street Light rate for the towns of Reading, North Reading, Wilmington and Lynnfield filed with the state.

Motion carried 4:0:0.

Engineering and Operations Report – September 2014 – Mr. Jaffari (Attachment 2)

Mr. Jaffari reported on the capital improvement projects, Construction Projects and New Customer Service, both Commercial and Residential, that have been happening since the month of September.

Mr. Jaffari reported on the Routine Construction Project category which added up to \$175,329 (year to date \$543,551) in the month of September and those Routine Capital Projects are completed.

Mr. Jaffari reported on the Special Projects and Capital Purchases which are completed, as Ms. O'Brien mentioned. The LED Streetlight Pilot Program has been completed and for the month of September the cost is \$1,335. Mr. Jaffari said that he was happy to announce the SCADA System Upgrade is complete, the system and software are installed and up and running so that this is our basis for the new outage information system and program that we have in place for the roadmap for all information.

Mr. Jaffari reported under the Maintenance Program we developed six programs that play major roles in reliability and are very important. The aged/overloaded transformer replacement for pad mount transformers, single phase, and three phase. The single phase is approximately 11% replaced; the three phase is approximately 6.5%; the overhead single phase 8.3%, the overhead three phase approximately 2%. This project is ongoing until we replace all the aged transformers.

Mr. Jaffari reported on the Pole Testing Program system and we have identified 640 poles that were slated to be inspected for the year and the contractor has completed 435. We have found a portion of the poles that have failed the test with approximately 22 poles that are condemned and all of those are being replaced.

Mr. Stempeck commented on the importance of replacing those poles prior to any accidents. Mr. Jaffari agreed noting that his program is very important for both, public safety and for the safety of utility and we take that very seriously.

Chairman Talbot asked the age of the poles. Mr. Jaffari stated the poles range from 30-50 years old.

Engineering and Operations Report – September 2014 – Mr. Jaffari (Attachment 2) (Continued)

Ms. O'Brien stated that all these maintenance programs are new. Once we get the Pole Testing data this will be collected in the GIS System going forward. Ms. O'Brien pointed out that there hasn't been double pole tracking and Verizon is going to a brand new software on January 1 and RMLD is signed up. You will be able to get a nice spreadsheet and from this spreadsheet we'll be able to have a real list of how many double poles and their status relative to transformers.

Mr. Jaffari informed the Board of the name of the Verizon Program is MJUNS, the new Verizon Pole Tracking System that RMLD is signed up for and other teams are being trained on. It is a very good program, it used to be INQUESTER, but for some reason their license expired so they now have this new system and it is working well.

Ms. O'Brien stated that the double poles are unsightly and to let everyone know we are working on it and trying to get them out of there. We need the system for accountability and to schedule the work.

Chairman Talbot stated that he received an e-mail from Camille Anthony, former member of the Reading Board of Selectmen, asking him about unsightly poles and what the RMLD was doing about them and that is why it was being discussed tonight and this is the response. Mr. Pacino noted this topic is not new, he has been hearing about these double poles for many years.

Chairman Talbot stated what is new is that something is actually being done about them then asked, what would happen if a pole was to fail and hurt somebody and it was found to be 35 years old, what would be the liability for that. Ms. O'Brien stated that would be a circumstance, but the wires are helping to hold it up and the guy anchors have to be properly sized so there would be a number of reasons. Obviously having a Pole Inspection Program is really important to prevent that from happening. Poles have fallen in other communities. Ms. O'Brien stated that the RMLD is trying to stay ahead of it, let's try not to think about it and it's good that we have a program now.

Mr. Jaffari continued his report on Quarterly Inspections of the 13.8kv/35kV Feeders which have been inspected to ensure that everything is safe and sound and have found no problems. The Manhole Inspection Program will begin in the winter. Mr. Jaffari stated that the Porcelain Cutout Replacements are continuously being inspected and replaced with the polymer type which is much safer. Also, at the substation we have a new program we've instituted, infrared scanning for all the assets at all substations. Since this program has been put in place he is glad to report that everything is all taken care of and fixed. There are no more problems or anything more that could cause potential problems. Regarding the Substation Maintenance Program, we have four more breakers to test and then it will be 100% complete. We picked up a few potential problems that we've fixed. The last one will be fixed next week and that will complete this very important maintenance program.

Mr. Jaffari reported that under system reliability, for the month of September, the System Average Interruption Duration Index (SAIDI) was 18.86 minutes which is well below the regional average and the national average. Mr. Jaffari noted that for the system average interruption frequency index for the same period, you can see that it's 0.04 which is below the regional average.

Mr. Jaffari noted that for the system average interruption frequency index for September, the Customer Average Interruption Duration Index (CAIDI) is 44.75 minutes, which is well below the national and regional averages.

Mr. Jaffari noted the pie chart showing the causes of the outages by type: there were about 34% equipment failure, 34% trees and the rest 21% wildlife with the remainder being other causes.

M.G.L. Chapter 30B Bids (Attachment 4)

IFB 2015-06 S&C SCADA-Mate CX Switch

Mr. Jaffari reported on IFB 2015-06 noting that three bidders responded and the successful bidder was Stuart C. Irby for a cost of \$55,070.00.

Mr. Pacino made a motion seconded by Mr. Stempeck that bid 2015-06 for S&C SCADA-Mate CX Switch be awarded to Stuart C. Irby for a total cost of \$55,070.00 as the lowest qualified bidder on the recommendation of the General Manager.

Motion carried 4:0:0.

M.G.L. Chapter 30B Bids (Attachment 4)

IFB 2015-08 Single Phase Pole Mounted Transformers

Mr. Jaffari reported on IFB 2015-08 noting that four bidders responded and the successful bidders were Power Sales Group for \$3,300.00 and Wesco for the a cost of \$75,880.00.

Mr. Pacino made a motion seconded by Mr. Stempeck that bid 2015-08 for Single Phase Pole Mounted Transformers be awarded to Power Sales Group for a total cost of \$3,300.00 and WESCO for a total cost of \$75,880.00 as the lowest qualified bidders on the recommendation of the General Manager.

Motion carried 4:0:0.

M.G.L. Chapter 30B Bids (Attachment 4)

IFB 2015-09 Three Phase Pole Mounted Transformers

Mr. Jaffari reported on IFB 2015-09 noting that two bidders responded and the successful bidder was Wesco for a cost of \$79,096.00.

Mr. Pacino made a motion seconded by Mr. Stempeck that bid 2015-09 for Three Phase Pole Mounted Transformers be awarded to WESCO for a total cost of \$79,096.00 as the lowest qualified bidder on the recommendation of the General Manager.

Motion carried 4:0:0.

IFB 2015-11 750 MCM Cable

Mr. Jaffari reported on IFB 2015-11 noting that five bidders responded and the successful bidder was Arthur J. Hurley Co., for a cost of \$139,590.00.

Mr. Pacino said that he is abstaining from the vote because Arthur J. Hurley is a client of a client.

Mr. Pacino made a motion seconded by Mr. Stempeck that bid 2015-11 for 750 MCM Cable be awarded to Arthur J. Hurley Company, Inc. for a total cost of \$139,590.00 as the lowest qualified bidder on the recommendation of the General Manager.

Motion carried 3:0:1. Mr. Pacino abstained.

Financial Report – September 2014 – Mr. Fournier (Attachment 3)

Mr. Fournier presented the September Financial Report which represents the close of first quarter of fiscal year 2015. There was a positive change in Net Assets of \$639,000, bringing the year to date Net Income to approximately \$3.5 million. Year to date budgeted Net Income was \$3.4 million with the resulting Net Income being over budget by approximately \$82,000 dollars or about 2.5%.

Actual year to date fuel revenue exceeded fuel expenses by about \$1.8 million. Year to date operating revenues were under budget by \$958,000 or by 3.7%. Actual base revenues were \$24.8 million compared to the budgeted amount of \$25.8 million.

Mr. Fournier stated that he is still presenting the financials based on the budget that was approved back in the spring before the final phase and is now in the process now of unbundling the rates effective July . He is hoping that by the October Financial Statements that he will be presenting at the December Board meeting will have the unbundled rates on the revenue and expense side of the power costs.

Year to date purchased power base expenses were under budget by \$11,000 or 1/10 of 1%. Actual purchased power base costs were \$7.9 million.

Year to date operating and maintenance (O&M) expenses combined were under budget by \$400,000 a little less than 11%. The actual O&M expenses were \$3.2 million compared to the budgeted amount of \$3.6 million. Depreciation expense and voluntary payments to the Towns were on budget.

Cash Wise Operating Fund was at \$11 million, Capital Fund \$5.3 million, Rate Stabilization Fund \$6.7 million, Deferred Fuel Fund \$5.9 million and the Energy Conservation Fund at \$582,000.

Year to date kilowatt hour sales were 194 million which is 7.4 million kilowatt hours or 3.6% behind last year's actual figures.

Lastly, Mr. Fournier reported that cumulatively the five divisions came in under budget by \$405,000 or 7.2%.

Ms. O'Brien pointed out that on page 11B of the Financials, the actual year to date on the residential differs to the budget by a change in 51% and that the first column is unbundled and the second column is the budget so what needs to happen is to put an unbundled budget in there and it will show a line item called Purchase Power Capacity of \$8 Million that is in the unbundled but \$0 in the budget. Ms. O'Brien explained that right now unbundling everything and pulling out the line item is one thing but unbundling it from each of the rate classes is taking a bit longer and didn't want any confusion and when the October Financials are presented, it will be clear.

General Discussion

There was none.

BOARD MATERIAL AVAILABLE BUT NOT DISCUSSED

E-Mail responses to Account Payable/Payroll Questions

Rate Comparisons, July, August, September

RMLD Board Meetings

Thursday, December 11, 2014

Thursday, January 29, 2015

RMLD Citizens' Advisory Board

Wednesday, December 17, 2014

Executive Session

At 8:20 p.m. Mr. Pacino made a motion seconded by Mr. O'Rourke that the Board go into Executive Session based on Chapter 164 Section 47D, exemption from public records and open meeting requirements in certain instances, 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 by a polling of the Board 4:0:0.

Adjournment

At 8:50 p.m. Mr. Pacino made a motion seconded by Mr. Stempeck 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.

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

To: Coleen O'Brien

From:  Maureen McHugh, Jane Parenteau 

Date: September 24, 2014

Subject: Purchase Power Summary – July, 2014

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

ENERGY

The RMLD's total metered load for the month was 72,548,494 kWh, which is a 7.85% decrease from the July, 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	3,657,051	\$6.41	5.02%	\$23,447	0.71%
Seabrook	5,895,780	\$5.61	8.10%	\$33,088	1.01%
Stonybrook Intermediate	6,254,374	\$36.47	8.59%	\$228,120	6.94%
JP Morgan	10,211,200	\$62.62	14.02%	\$639,389	19.45%
NextEra	12,693,000	\$53.98	17.43%	\$685,186	20.84%
NYPA	1,842,999	\$4.92	2.53%	\$9,068	0.28%
ISO Interchange	5,429,129	\$57.99	7.46%	\$314,854	9.58%
NEMA Congestion	0	\$0.00	0.00%	\$7,258	0.22%
Coop Resales	25,834	\$128.72	0.04%	\$3,325	0.10%
BP Energy	12,543,800	\$48.27	17.23%	\$605,489	18.42%
Summit Hydro/Collins/Pioneer	873,946	\$71.96	1.20%	\$62,890	1.91%
Braintree Watson Unit	1,348,370	\$52.07	1.85%	\$70,216	2.14%
Swift River Projects	970,248	\$100.80	1.33%	\$97,798	2.97%
Exelon	11,072,200	\$45.83	15.21%	\$507,461	15.44%
Stonybrook Peaking	0	\$0.00	0.00%	\$0	0.00%
Monthly Total	72,817,931	\$45.15	100.00%	\$3,287,590	100.00%

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

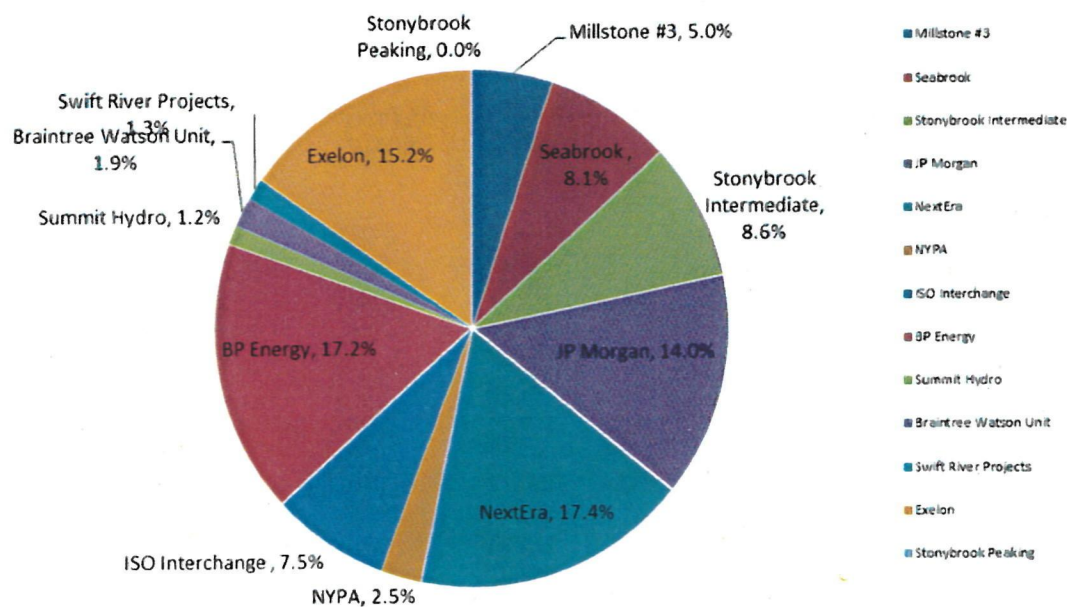
Table 2

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP * Settlement	6,829,836	46.42	9.42%
RT Net Energy ** Settlement	-1,400,707	15.64	-1.93%
ISO Interchange (subtotal)	5,429,129	57.99	7.49%

* Independent System Operator Day-Ahead Locational Marginal Price

** Real Time Net Energy

JULY 2014 ENERGY BY RESOURCE



CAPACITY

The RMLD hit a demand of 157,252 kW, which occurred on July 2, at 4 pm. The RMLD's monthly UCAP requirement for July, 2014 was 208,440 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	42.94	\$212,572	15.21%
Seabrook	7,919	41.71	\$330,274	23.64%
Stonybrook Peaking	24,981	1.95	\$48,704	3.49%
Stonybrook CC	42,925	3.51	\$150,475	10.77%
NYP&A	4,019	4.19	\$16,834	1.20%
Hydro Quebec	4,673	3.99	\$18,639	1.33%
Nextera	60,000	5.65	\$339,000	24.26%
Braintree Watson Unit	10,520	11.03	\$116,009	8.30%
ISO-NE Supply Auction	48,453	3.40	\$164,736	11.79%
Total	208,440	\$6.70	\$1,397,243	100.00%

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	\$23,447	\$212,572	\$236,019	5.04%	3,657,051	0.0645
Seabrook	\$33,088	\$330,274	\$363,362	7.76%	5,895,780	0.0616
Stonybrook Intermediate	\$228,120	\$150,475	\$378,595	8.08%	6,254,374	0.0605
Hydro Quebec	\$0	\$18,639	\$18,639	0.40%	-	0.0000
JP Morgan	\$639,389	\$0	\$639,389	13.65%	10,211,200	0.0626
NextEra	\$685,186	\$339,000	\$1,024,186	21.86%	12,693,000	0.0807
* NYP&A	\$9,068	\$16,834	\$25,901	0.55%	1,842,999	0.0141
ISO Interchange	\$314,854	\$165,595	\$480,449	10.26%	5,429,129	0.0885
Nema Congestion	\$7,258	\$0	\$7,258	0.15%	-	0.0000
BP Energy	\$605,489	\$0	\$605,489	12.92%	12,543,800	0.0483
* Summit Hydro/Collins/Pioneer	\$62,890	\$0	\$62,890	1.34%	873,946	0.0720
Braintree Watson Unit	\$70,216	\$116,009	\$186,225	3.98%	1,348,370	0.1381
* Swift River Projects	\$97,798	-\$859	\$96,939	2.07%	970,248	0.0999
Coop Resales	\$3,325	\$0	\$3,325	0.07%	25,834	0.1287
Constellation Energy	\$507,461	\$0	\$507,461	10.83%	11,072,200	0.0458
Stonybrook Peaking	\$0	\$48,704	\$48,704	1.04%	-	0.0000
Monthly Total	\$3,287,590	\$1,397,243	\$4,684,833	100.00%	72,817,931	0.0643
* Renewable Resources						5.06%

RENEWABLE ENERGY CERTIFICATES (RECs)

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

Table 5
Swift River RECs Summary
Period - January 2014 - July 2014

	Banked RECs	Projected RECs	Total RECs	Est. Dollars
Woronoco	995	2,618	3,613	\$149,940
Pepperell	1,363	2,217	3,580	\$207,640
Indian River	608	1,453	2,061	\$119,538
Turners Falls	394	1,107	1,501	\$0
RECs Sold			0	\$0
Grand Total	3,360	7,395	10,755	\$477,118

TRANSMISSION

The RMLD's total transmission costs for the month of July, 2014 were \$1,238,157. This is an increase of 50.18% from the June transmission cost of \$824,454. In July, 2013 the transmission costs were \$1,183,000.

Table 6

	Current Month	Last Month	Last Year
Peak Demand (kW)	157,252	142,696	167,759
Energy (kWh)	72,466,675	61,288,919	78,781,462
Energy (\$)	\$3,287,590	\$2,523,075	\$3,464,349
Capacity (\$)	\$1,397,243	\$1,428,943	\$1,486,497
Transmission(\$)	\$1,238,157	\$824,454	\$1,183,000
Total	\$5,922,990	\$4,776,472	\$6,133,846



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.

[illegible]

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		
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			9	\$ 2,250	3	\$ 30
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	\$ 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	\$ 20	\$ 2,000	11	\$ 2,750	7	\$ 70
Total	2382	\$ 119,100	2083	\$ 104,150	1883	\$ 94,150	225	\$ 5,625	285	\$ 28,500	360	\$ 9,000	627	\$ 6,685	1415	\$ 246,131	20	\$ 84,950	39	\$ 3,900	24	\$ 6,000	15	\$ 150

To: Coleen O'Brien

From:  Maureen McHugh, Jane Parenteau 

Date: October 16, 2014

Subject: Purchase Power Summary – August, 2014

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

ENERGY

The RMLD's total metered load for the month was 65,178,041 kWh, which is a 3.32% decrease from the August, 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	3,637,249	\$6.41	5.58%	\$23,320	0.84%
Seabrook	5,882,778	\$6.69	9.02%	\$39,333	1.42%
Stonybrook Intermediate	2,240,209	\$36.69	3.44%	\$82,197	2.97%
JP Morgan	10,054,800	\$62.35	15.42%	\$626,882	22.64%
NextEra	12,759,000	\$53.61	19.57%	\$684,001	24.71%
NYPA	1,918,893	\$4.92	2.94%	\$9,441	0.34%
ISO Interchange	3,565,090	\$48.61	5.47%	\$173,299	6.26%
NEMA Congestion	0	\$0.00	0.00%	-\$102,978	-3.72%
Coop Resales	17,807	\$140.13	0.03%	\$2,495	0.09%
BP Energy	12,415,800	\$48.27	19.05%	\$599,311	21.65%
Summit Hydro/Collins/Pioneer	290,169	\$67.86	0.45%	\$19,691	0.71%
Braintree Watson Unit	744,997	\$49.68	1.14%	\$37,012	1.34%
Swift River Projects	764,341	\$96.67	1.17%	\$73,891	2.67%
Exelon	10,823,400	\$45.54	16.60%	\$492,881	17.80%
Stonybrook Peaking	71,519	\$106.09	0.11%	\$7,587	0.27%
Monthly Total	65,186,052	\$42.47	100.00%	\$2,768,364	100.00%

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

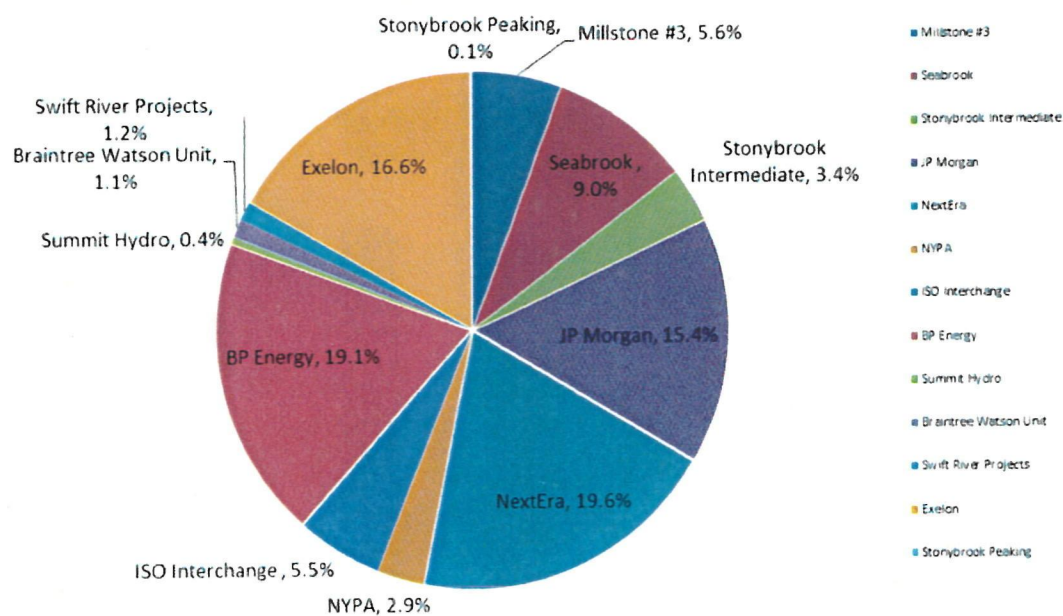
Table 2

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP *	4,676,432	33.78	7.18%
Settlement			
RT Net Energy **	-111,342	17.22	-0.17%
Settlement			
ISO Interchange (subtotal)	3,565,090	48.61	5.47%

* Independent System Operator Day-Ahead Locational Marginal Price

** Real Time Net Energy

AUGUST 2014 ENERGY BY RESOURCE



CAPACITY

The RMLD hit a demand of 147,012 kW, which occurred on August 27, at 4 pm. The RMLD's monthly UCAP requirement for August, 2014 was 208,440 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	42.94	\$212,540	15.02%
Seabrook	7,919	41.71	\$330,263	23.34%
Stonybrook Peaking	24,981	1.99	\$49,623	3.51%
Stonybrook CC	42,925	3.54	\$152,097	10.75%
NYPA	4,019	4.19	\$16,834	1.19%
Hydro Quebec	4,673	4.30	\$20,098	1.42%
Nextera	60,000	5.65	\$339,000	23.96%
Braintree Watson Unit	10,520	10.77	\$113,348	8.01%
ISO-NE Supply Auction	48,453	3.73	\$180,908	12.79%
Total	208,440	\$6.79	\$1,414,711	100.00%

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	\$23,320	\$212,540	\$235,860	5.64%	3,637,249	0.0648
Seabrook	\$39,333	\$330,263	\$369,596	8.84%	5,882,778	0.0628
Stonybrook Intermediate	\$82,197	\$152,097	\$234,294	5.60%	2,240,209	0.1046
Hydro Quebec	\$0	\$20,098	\$20,098	0.48%	-	0.0000
JP Morgan	\$626,882	\$0	\$626,882	14.99%	10,054,800	0.0623
NextEra	\$684,001	\$339,000	\$1,023,001	24.46%	12,759,000	0.0802
* NYPA	\$9,441	\$16,834	\$26,275	0.63%	1,918,893	0.0137
ISO Interchange	\$173,299	\$180,908	\$354,207	8.47%	3,565,090	0.0994
Nema Congestion	-\$102,978	\$0	-\$102,978	-2.46%	-	0.0000
BP Energy	\$599,311	\$0	\$599,311	14.33%	12,415,800	0.0483
* Summit Hydro/Collins/Pioneer	\$19,691	\$0	\$19,691	0.47%	290,169	0.0679
Braintree Watson Unit	\$37,012	\$113,348	\$150,359	3.59%	744,997	0.2018
* Swift River Projects	\$73,891	\$0	\$73,891	1.77%	764,341	0.0967
Coop Resales	\$2,495	\$0	\$2,495	0.06%	17,807	0.1401
Constellation Energy	\$492,881	\$0	\$492,881	11.78%	10,823,400	0.0455
Stonybrook Peaking	\$7,587	\$49,623	\$57,210	1.37%	71,519	0.7999
Monthly Total	\$2,768,364	\$1,414,711	\$4,183,075	100.00%	65,186,052	0.0642
* Renewable Resources				4.56%		

RENEWABLE ENERGY CERTIFICATES (RECs)

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

Table 5
Swift River RECs Summary
Period - January 2014 - August 2014

	Banked RECs	Projected RECs	Total RECs	Est. Dollars
Woronoco	995	2,618	3,613	\$149,940
Pepperell	1,363	2,453	3,816	\$221,328
Indian River	608	1,714	2,322	\$134,676
Turners Falls	394	1,215	1,609	\$0
RECs Sold			0	\$0
Grand Total	3,360	8,000	11,360	\$505,944

TRANSMISSION

The RMLD's total transmission costs for the month of August, 2014 were \$1,264,244. This is an increase of 2.11% from the July transmission cost of \$1,238,157. In August, 2013 the transmission costs were \$1,223,588.

Table 6

	Current Month	Last Month	Last Year
Peak Demand (kW)	147,012	157,252	140,045
Energy (kWh)	65,186,052	72,817,931	67,363,709
Energy (\$)	\$2,768,364	\$3,287,590	\$2,767,250
Capacity (\$)	\$1,414,711	\$1,397,243	\$1,485,670
Transmission(\$)	\$1,264,244	\$1,238,157	\$1,223,588
Total	\$5,447,319	\$5,922,990	\$5,476,509

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.

Commercial	Year	Capacity Saved (kW)		Energy Saved (kwh)		Total \$		Total		Total \$		Rebate		Rebate/kWh		Rebate/kW		Cost Benefit	
		QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars
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			0		-	\$	\$	11.45	0	\$	0.05	\$	-	\$	-	\$	-	\$
Residential																			
Total to date	FY07-14			2,609		2,252,774	\$	257,422		117,229		\$	718,531	\$	0.32	\$	275.42	\$	(343,881)
Current	FY15			25		12,194	\$	3,376	\$	11.45		\$	14,940	\$	1.23	\$	608.08	\$	(10,955)
Total																			
Total to date	FY07-14			18,778		66,212,049	\$	1,818,487		3,660,603		\$	2,475,916	\$	0.04	\$	131.85	\$	3,003,173.54
Current	FY15			25		12,194	\$	3,376	\$	11.45		\$	14,940	\$	1.23	\$	608.08	\$	(10,955)

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	
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			9	\$ 2,250	3	\$ 30	
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	\$ 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	\$ 20	\$ 2,000	11	\$ 2,750	7	\$ 70	
2015	24	\$ 1,200	29	\$ 1,450	28	\$ 1,400	5	\$ 125	5	\$ 500	9	\$ 225	6	\$ 90	46	\$ 9,200	0	\$ -	\$ 5	\$ 500	1	\$ 250	0	\$ -	
Total	2406	\$ 120,300	2112	\$ 105,600	1911	\$ 95,550	230	\$ 5,750	290	\$ 29,000	369	\$ 9,225	633	\$ 6,775	1461	\$ 255,331	20	\$ 84,950	44	\$ 4,400	25	\$ 6,250	15	\$ 150	

To: Coleen O'Brien

From:  Maureen McHugh, Jane Parenteau 

Date: October 30, 2014

Subject: Purchase Power Summary – September, 2014

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

ENERGY

The RMLD's total metered load for the month was 58,960,559 kWh, which is a .61% increase from the September, 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	3,509,708	\$6.41	5.95%	\$22,502	0.95%
Seabrook	5,695,492	\$6.69	9.66%	\$38,081	1.61%
Stonybrook Intermediate	1,919,931	\$50.53	3.26%	\$97,005	4.11%
JP Morgan	6,848,400	\$62.39	11.61%	\$427,289	18.12%
NextEra	9,602,000	\$49.40	16.28%	\$474,323	20.11%
NYP&A	1,822,126	\$4.92	3.09%	\$8,965	0.38%
ISO Interchange	9,997,965	\$38.42	16.95%	\$384,145	16.29%
NEMA Congestion	0	\$0.00	0.00%	-\$41,235	-1.75%
Coop Resales	14,838	\$139.81	0.03%	\$2,075	0.09%
BP Energy	9,804,000	\$48.27	16.63%	\$473,239	20.06%
Summit Hydro/Collins/Pioneer	196,972	\$80.03	0.33%	\$15,764	0.67%
Braintree Watson Unit	537,400	\$182.73	0.91%	\$98,201	4.16%
Swift River Projects	103,611	\$80.30	0.18%	\$8,319	0.35%
Exelon	8,908,800	\$39.10	15.11%	\$348,291	14.77%
Stonybrook Peaking	7,026	\$227.75	0.01%	\$1,600	0.07%
Monthly Total	58,968,269	\$40.00	100.00%	\$2,358,566	100.00%

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

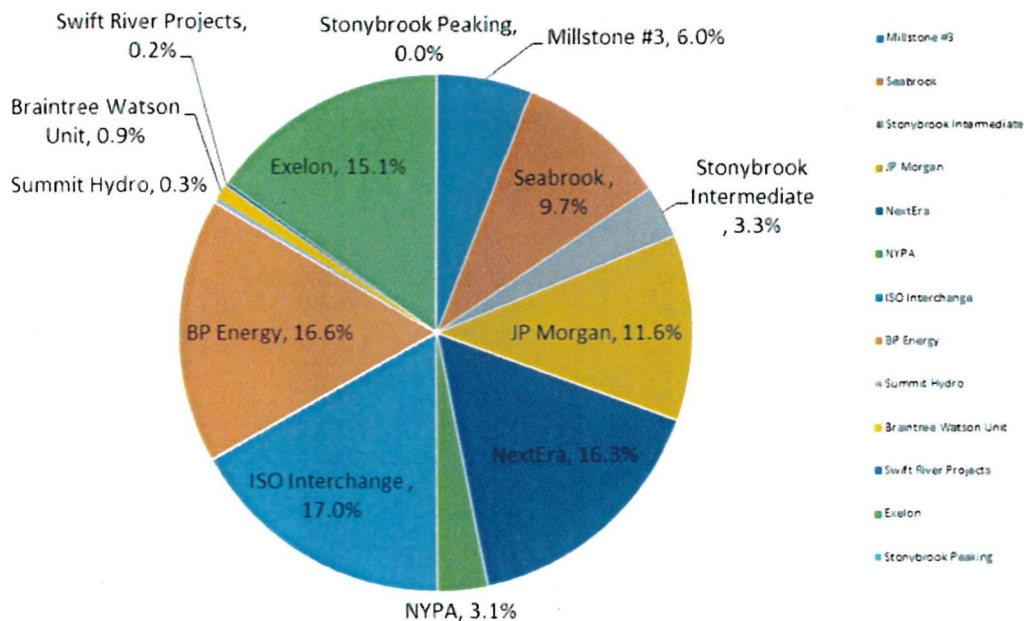
Table 2

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP *	9,491,454	38.35	14.56%
Settlement			
RT Net Energy **	506,511	39.82	0.78%
Settlement			
ISO Interchange (subtotal)	9,997,965	38.42	15.34%

* Independent System Operator Day-Ahead Locational Marginal Price

** Real Time Net Energy

SEPTEMBER 2014 ENERGY BY RESOURCE



CAPACITY

The RMLD hit a demand of 150,405 kW, which occurred on September 2, at 3 pm. The RMLD's monthly UCAP requirement for September, 2014 was 208,440 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	42.94	\$212,575	14.97%
Seabrook	7,919	41.70	\$330,243	23.26%
Stonybrook Peaking	24,981	1.97	\$49,182	3.46%
Stonybrook CC	42,925	3.53	\$151,616	10.68%
NYP&A	4,019	4.19	\$16,834	1.19%
Hydro Quebec	4,673	4.57	\$21,345	1.50%
Nextera	60,000	5.65	\$339,000	23.87%
Braintree Watson Unit	10,520	11.05	\$116,291	8.19%
ISO-NE Supply Auction	48,453	3.77	\$182,892	12.88%
Total	208,440	\$6.81	\$1,419,977	100.00%

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	\$22,502	\$212,575	\$235,078	6.22%	3,509,708	0.0670
Seabrook	\$38,081	\$330,243	\$368,323	9.75%	5,695,492	0.0647
Stonybrook Intermediate	\$97,005	\$151,616	\$248,621	6.58%	1,919,931	0.1295
Hydro Quebec	\$0	\$21,345	\$21,345	0.56%	-	0.0000
JP Morgan	\$427,289	\$0	\$427,289	11.31%	6,848,400	0.0624
NextEra	\$474,323	\$339,000	\$813,323	21.52%	9,602,000	0.0847
* NYP&A	\$8,965	\$16,834	\$25,799	0.68%	1,822,126	0.0142
ISO Interchange	\$384,145	\$183,786	\$567,931	15.03%	9,997,965	0.0568
Nema Congestion	-\$41,235	\$0	-\$41,235	-1.09%	-	0.0000
BP Energy	\$473,239	\$0	\$473,239	12.52%	9,804,000	0.0483
* Summit Hydro/Collins/Pioneer	\$15,764	\$0	\$15,764	0.42%	196,972	0.0800
Braintree Watson Unit	\$98,201	\$116,291	\$214,492	5.68%	537,400	0.3991
* Swift River Projects	\$8,319	-\$894	\$7,426	0.20%	103,611	0.0717
Coop Resales	\$2,075	\$0	\$2,075	0.05%	14,838	0.1398
Constellation Energy	\$348,291	\$0	\$348,291	9.22%	8,908,800	0.0391
Stonybrook Peaking	\$1,600	\$49,182	\$50,782	1.34%	7,026	7.2277
Monthly Total	\$2,358,566	\$1,419,977	\$3,778,543	100.00%	58,968,269	0.0641
* Renewable Resources					3.60%	

RENEWABLE ENERGY CERTIFICATES (RECs)

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

Table 5
Swift River RECs Summary
Period - January 2014 - September 2014

	Banked RECs	Projected RECs	Total RECs	Est. Dollars
Woronoco	3,613	0	3,613	\$173,424
Pepperell	3,179	1,342	4,521	\$217,008
Indian River	1,711	638	2,349	\$112,752
Turners Falls	1,389	220	1,609	\$0
RECs Sold			0	\$0
Grand Total	9,892	2,200	12,092	\$503,184

TRANSMISSION

The RMLD's total transmission costs for the month of September, 2014 were \$1,149,000. This is a decrease of 9.12% from the August transmission cost of \$1,264,244. In September, 2013 the transmission costs were \$931,368.

Table 6

	Current Month	Last Month	Last Year
Peak Demand (kW)	150,405	147,012	156,230
Energy (kWh)	58,968,269	65,160,895	58,614,875
Energy (\$)	\$2,358,566	\$2,768,364	\$2,168,234
Capacity (\$)	\$1,419,977	\$1,414,711	\$1,489,738
Transmission(\$)	\$1,149,000	\$1,264,244	\$931,368
Total	\$4,927,542	\$5,447,319	\$4,589,340

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

Year	Washing Machine		Refrigerator		Dishwasher		Dehumidifier		Central A/C		Window A/C		Thermostat		Audits		Renewable		Air Source Heat Pump		HP Water Heater		Fan			
	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	\$ 1,700	23	\$ 230	107	\$ 14,940										
2009	406	\$ 20,300	259	\$ 12,950	235	\$ 11,750	40	\$ 1,000	41	\$ 4,100	50	\$ 4,100	114	\$ 1,140	107	\$ 14,940										
2010	519	\$ 25,950	371	\$ 18,550	382	\$ 19,100	37	\$ 925	64	\$ 6,400	49	\$ 6,400	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	\$ 5,700	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	\$ 4,400	105	\$ 1,050	219	\$ 32,731	3	\$ 14,000			9	\$ 2,250	3	\$ 30		
2013	285	\$ 14,250	336	\$ 16,800	311	\$ 15,550	29	\$ 725	24	\$ 2,400	54	\$ 2,400	57	\$ 570	375	\$ 75,000	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	\$ 3,800	83	\$ 1,245	363	\$ 72,600	4	\$ 17,250		\$ 20	\$ 2,000	11	\$ 2,750	7	\$ 70	
2015	63	\$ 3,150	78	\$ 3,900	65	\$ 3,250	9	\$ 225	13	\$ 1,300	21	\$ 1,300	21	\$ 525	10	\$ 65	\$ 13,000	0	\$ -		\$ 8	\$ 800	1	\$ 250	0	\$ -
Total	2445	\$ 122,250	2161	\$ 108,050	1948	\$ 97,400	234	\$ 5,850	298	\$ 29,800	381	\$ 9,575	637	\$ 6,835	1480	\$ 259,131	20	\$ 84,950		47	\$ 4,700	25	\$ 6,250	15	\$ 150	



ELECTRIC POWER ENGINEERING

35 MAIN STREET HOPKINTON, MA 01748 TELEPHONE (508) 435-9377

To: Coleen O'Brien, General Manager
Cc: Jane Parenteau, Bob Fournier, Bill Selden
From: Mayhew D. Seavey, Jr.
Date: November 14, 2014
Subject: LED Street Light Schedule

As you requested I have prepared a rate schedule for LED municipal street lights based on my analysis dated June 12, 2014 and revised September 18th. This rate schedule is suitable for filing with the Massachusetts Department of Public Utilities (MDPU). I have made the effective date December 1, 2014 but that date can be changed if desired. I have also left the tariff number blank since I am not sure of the last sequential rate schedule that RMLD has filed.

In developing these rates, I relied on fixture capital and installation costs provided by RMLD. The attached Exhibit 1 shows the development of each fixture rate. The total capital cost, including the cost of the fixture, arm, photocell and installation labor is assumed to be recovered over a 25-year economic life at a depreciation rate of 4%.

For the O&M cost I began with the FY15 budget number of \$92,652. I subtracted the approximately \$60 thousand in maintenance savings from the Pilot Study and added 29% for Administrative and General expenses, which is the level of A&G as a percentage of total O&M excluding purchased power. This resulted in a total O&M plus A&G expense of \$42,354. Divided by the total projected number of fixtures, this gives an annual O&M charge of \$5.87 per fixture. I recommend using a per-fixture charge rather than a per-kWh charge because the amount of maintenance required does not seem to vary with the wattage of the fixture.

These rates should provide savings of around 40% to the towns compared with the present charges for high pressure sodium fixtures with comparable lumen output under the present rate.

If there are any questions regarding this, please do not hesitate to contact me.

LED Street Lighting Rate

Designation:

LED Street Light Rate

Available:

Reading, Lynnfield Center, North Reading, and Wilmington

Applicable to:

Street Light service using LED fixtures on all public, private, and unaccepted streets where the Department has private facilities for supplying electricity and where the installation work involved is limited to the necessary lighting unit and connection on the same pole.

Energy Charge:

The rate per year for the standard 4,000-hour schedule is as follows:

<u>Fixture Type</u>	<u>Annual Rate</u>	<u>Annual kWh</u>
25 Watt LED	\$19.83	100
101 Watt LED	26.75	404
93 Watt LED Flood	40.59	372
134 Watt LED Flood	46.63	536

Fuel Adjustment:

The bill for service hereunder may be increased or decreased as provided by the Standard fuel Adjustment Clause. The Fuel Adjustment will appear on the bill as the monthly fuel charge multiplied by one twelfth of the Annual kWh shown above for each Fixture Type.

Purchase Power Adjustment:

The bill for service hereunder may be increased or decreased as provided by the Purchase Power Adjustment. The Purchase power Adjustment will appear on the bill as the monthly charge multiplied by one twelfth of the Annual kWh shown above for each Fixture Type.

Rate Filed: December 1, 2014

Effective: On Billings on or After December 1, 2014

Filed By: Coleen M. O'Brien, General Manager

READING MUNICIPAL LIGHT DEPARTMENT

Engineering and Operations Monthly Report

September 2014

CAPITAL IMPROVEMENTS

		% Complete FY14-15 Status	PROJECT SPENDING	
Construction Projects:			Month	YTD
106	URD Upgrades – All Towns: <ul style="list-style-type: none">• <i>Snowcrest Run, NR</i>• <i>Thistle Lane, LC</i>	On-going	\$6,671	\$34,545
107	Step-down Area Upgrades – All Towns: <ul style="list-style-type: none">• McDonald Road, W• Vine Street, R	On-going	\$3,842	\$15,142
New Customer Service Connections:				
112	Service Installations – Commercial/Industrial: <ul style="list-style-type: none">• Main Street – Agostino Drive, W		\$2,554	\$6,442
113	Service Installations – Residential: This item includes new or upgraded overhead and underground services.		\$15,314	\$44,348

ATTACHMENT 2

Routine Construction:

	Month	YTD
Pole Setting/Transfers	19,982	59,445
Overhead/Underground	63,161	188,980
Projects Assigned as Required <ul style="list-style-type: none"> • Wildwood School, W (transformer replacement) • North Reading High/Middle School (road widening) • Wilmington High School (new service) • Mark Avenue, R (area upgrade) • Lynnfield High Athletic Field (lights) • Ballardvale St, W (transformer replacement) 	40,344	160,942
Pole Damage/Knockdowns - Some Reimbursable <ul style="list-style-type: none"> • Work was done to repair or replace one (1) damaged pole. 	1,455	10,762
Station Group	19,247	19,247
Hazmat/Oil Spills		3,831
Porcelain Cutout Replacement Program	1,428	3,149
Lighting (Street Light Connections)	1,105	4,170
Storm Trouble	7,148	24,231
Underground Subdivisions (new construction) <ul style="list-style-type: none"> • Amherst Road, W • Cheyenne Estates, W • Rahnden Terrace, N 	7,215	19,079
Animal Guard Installation	753	1,763
Miscellaneous Capital Costs	13,490	47,953
TOTAL:	\$ 175,329	\$ 543,551

Special Projects/Capital Purchases:		% Complete FY14-15 Status	Month	YTD
131	LED Street Light Pilot Program	100%	\$1,335	\$1,335
137	SCADA System Upgrade (server)	100%	\$12,832	\$12,832

MAINTENANCE PROGRAMS

Aged/Overloaded Transformer Replacement

Padmount:

Single-Phase: 10.71% replaced through 10/31/14

Three-Phase: 6.41% replaced through 10/31/14

Overhead:

Single-Phase: 8.23% replaced through 10/31/14

Three-Phase: 2.22% replaced through 10/31/14

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

Contract awarded to mPower Technologies. Inspection underway - 640 poles are scheduled for inspection this year; 435 have been inspected as of 11/7/14.

13.8kV/35kV Feeders – Quarterly Inspections

3W8, 3W18, 5W4, 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)

A total of 20 cutouts were changed out in September. Six (6) were charged as part of the Porcelain Cutout Replacement Program and an additional 14 were replaced because of damage. 87% complete.

Substations:

Infrared Scanning (Monthly)

<i>Station 3</i>	<i>Scanning complete through October – no hot spots found</i>
------------------	---

<i>Station 4</i>	<i>Scanning complete through October – no hot spots found</i>
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<i>Station 5</i>	<i>Scanning complete through October – no hot spots found</i>
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Substation Maintenance Program

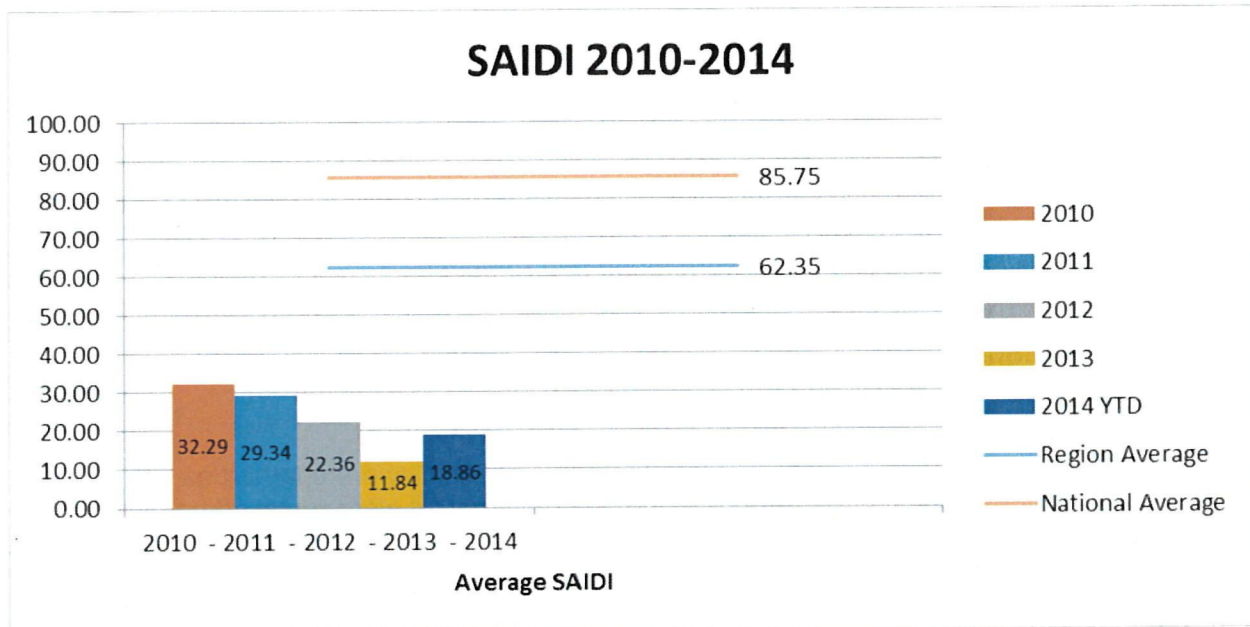
- Inspection of all three stations by UPG in progress. 90% complete.*
-

SYSTEM RELIABILITY

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

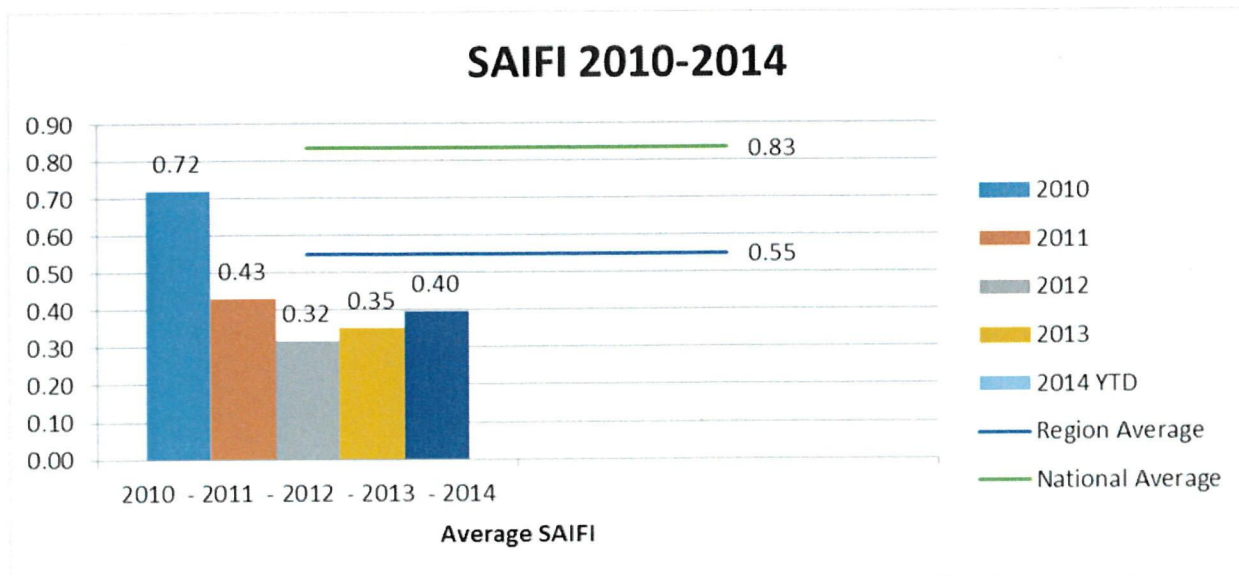
SAIDI (System Average Interruption Duration Index) is defined as the average interruption duration (in minutes) for customers served by the utility system during a specific time period.

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



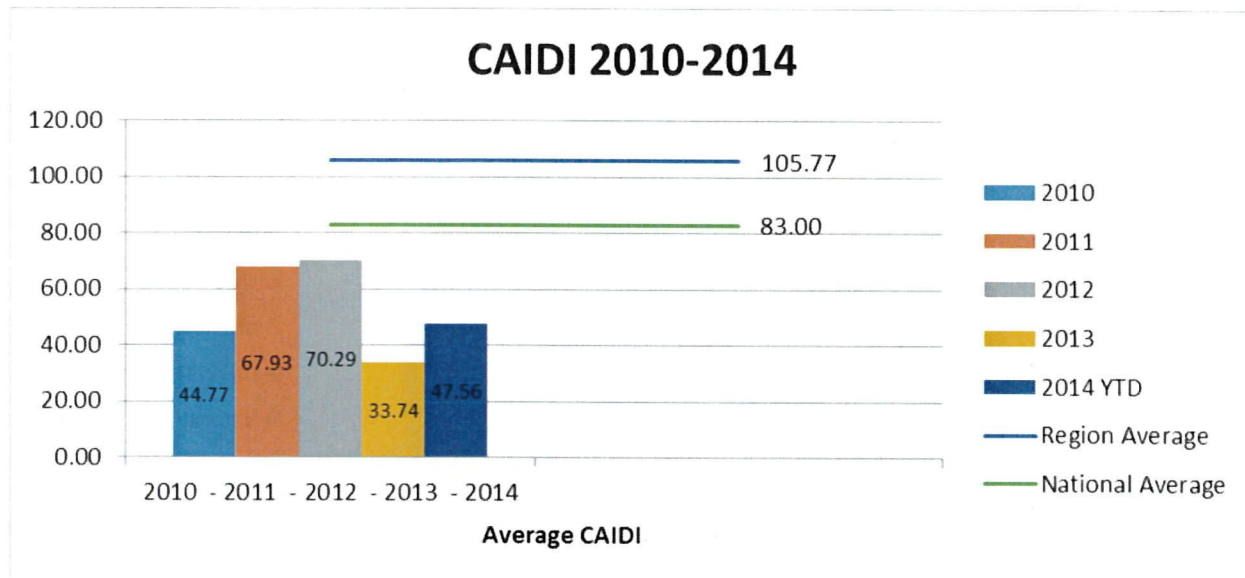
SAIFI (System Average Interruption Frequency) is defined as the average number of instances a customer on the utility system will experience an interruption during a specific time period.

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.

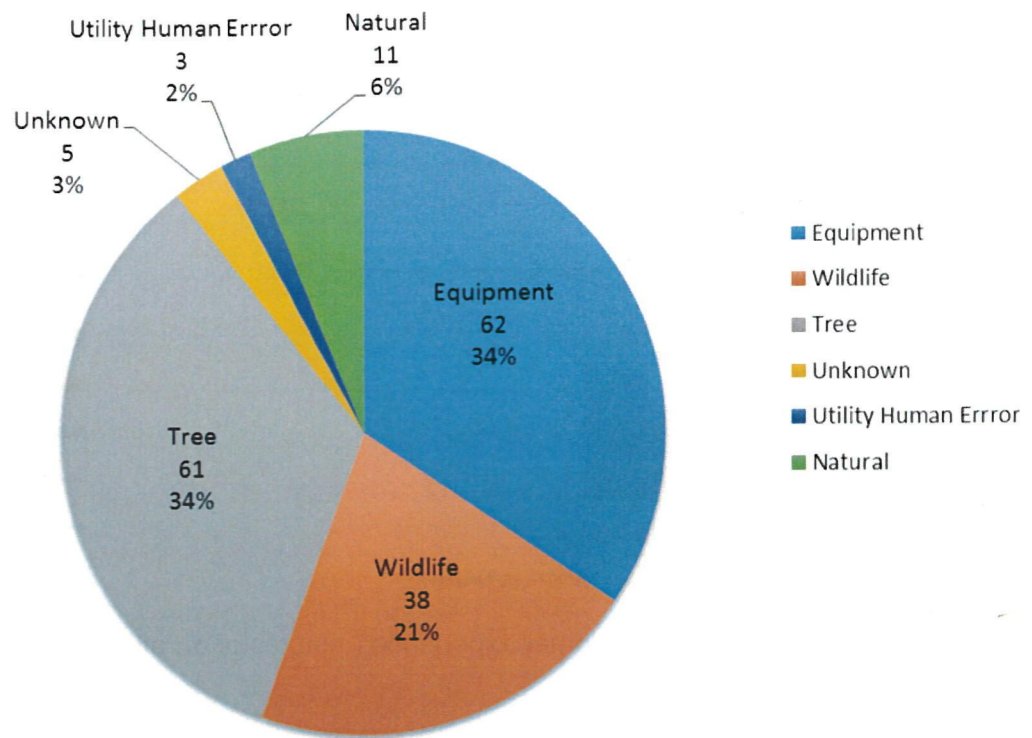
CAIDI = the sum of all customer interruption durations during that time period ÷ the number of customers that experienced one or more interruptions during that time period



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 September 30, 2014



Dt: October 31, 2014

To: RMLB, Coleen O'Brien, Jeanne Foti

Fr: Bob Fournier

Sj: September 30, 2014 Report

The results for the first three months ending September 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 September, the net income or the positive change in net assets was \$639,851, increasing the year to date net income to \$3,490,677. The year to date budgeted net income was \$3,408,662, resulting in net income being over budget by \$82,015 or 2.4%. Actual year to date fuel revenues exceeded fuel expenses by \$1,814,414.

2) Revenues: (Page 11B)

Year to date operating revenues were under budget by \$958,758 or 3.7%. Actual operating revenues were \$24.8 million compared to the budgeted amount of \$25.8 million.

3) Expenses: (Page 12A)

*Year to date purchased power base expense was under budget by \$11,069 or .14%. Actual purchased power base costs and budgeted power base costs were \$7.9 million.

*Year to date operating and maintenance (O&M) expenses combined were under budget by \$398,007 or 10.8%. Actual O&M expenses were \$3.2 million compared to the budgeted amount of \$3.6 million.

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

4) Cash: (Page 9)

- *Operating Fund was at \$11,038,619.
- * Capital Fund balance was at \$5,363,336.
- * Rate Stabilization Fund was at \$6,741,757.
- * Deferred Fuel Fund was at \$5,947,109.
- * Energy Conservation Fund was at \$582,350.

5) General Information:

Year to date kwh sales (Page 5) were 194,770,081 which is 7.4 million kwh or 3.6%, BEHIND last year's actual figure.

Budget Variance:

Cumulatively, the five divisions were under budget by \$405,606 or 7.2%.

FINANCIAL REPORT

SEPTEMBER 30, 2014

ISSUE DATE: OCTOBER 31, 2014

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
BUSINESS-TYPE PROPRIETARY FUND
STATEMENT OF NET ASSETS
9/30/2014

		PREVIOUS YEAR	CURRENT YEAR
ASSETS			
CURRENT			
UNRESTRICTED CASH	(SCH A P.9)	8,229,356.39	11,038,619.90
RESTRICTED CASH	(SCH A P.9)	20,202,747.62	22,414,031.53
RESTRICTED INVESTMENTS	(SCH A P.9)	0.00	1,292,906.26
RECEIVABLES, NET	(SCH B P.10)	8,195,375.49	7,561,825.18
PREPAID EXPENSES	(SCH B P.10)	1,411,727.14	1,406,716.39
INVENTORY		1,521,933.75	1,439,446.41
TOTAL CURRENT ASSETS		<u>39,561,140.39</u>	<u>45,153,545.67</u>
NONCURRENT			
INVESTMENT IN ASSOCIATED CO	(SCH C P.2)	37,060.48	26,993.75
CAPITAL ASSETS, NET	(SCH C P.2)	70,009,019.31	69,964,993.35
TOTAL NONCURRENT ASSETS		<u>70,046,079.79</u>	<u>69,991,987.10</u>
TOTAL ASSETS		<u>109,607,220.18</u>	<u>115,145,532.77</u>
LIABILITIES			
CURRENT			
ACCOUNTS PAYABLE		4,906,426.64	5,472,573.61
CUSTOMER DEPOSITS		746,358.61	807,738.14
CUSTOMER ADVANCES FOR CONSTRUCTION		427,384.15	455,965.98
ACCRUED LIABILITIES		170,301.90	126,372.34
TOTAL CURRENT LIABILITIES		<u>6,250,471.30</u>	<u>6,862,650.07</u>
NONCURRENT			
ACCRUED EMPLOYEE COMPENSATED ABSENCES		3,132,560.84	2,918,870.73
TOTAL NONCURRENT LIABILITIES		<u>3,132,560.84</u>	<u>2,918,870.73</u>
TOTAL LIABILITIES		<u>9,383,032.14</u>	<u>9,781,520.80</u>
NET ASSETS			
INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT		70,009,019.31	69,964,993.35
RESTRICTED FOR DEPRECIATION FUND (P.9)		3,679,743.06	5,099,591.58
UNRESTRICTED		26,535,425.67	30,299,427.04
TOTAL NET ASSETS	(P.3)	<u>100,224,188.04</u>	<u>105,364,011.97</u>
TOTAL LIABILITIES AND NET ASSETS		<u>109,607,220.18</u>	<u>115,145,532.77</u>

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
NONCURRENT ASSET SCHEDULE
9/30/2014

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	33,798.61	24,018.01
TOTAL INVESTMENTS IN ASSOCIATED COMPANIES	<u>37,060.48</u>	<u>26,993.75</u>
SCHEDULE OF CAPITAL ASSETS		
LAND	1,265,842.23	1,265,842.23
STRUCTURES AND IMPROVEMENTS	6,430,802.65	6,078,471.99
EQUIPMENT AND FURNISHINGS	12,464,470.46	12,322,184.73
INFRASTRUCTURE	<u>49,847,903.97</u>	<u>50,298,494.40</u>
TOTAL CAPITAL ASSETS, NET	<u>70,009,019.31</u>	<u>69,964,993.35</u>
TOTAL NONCURRENT ASSETS	<u>70,046,079.79</u>	<u>69,991,987.10</u>

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
BUSINESS-TYPE PROPRIETARY FUND
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS
9/30/2014

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
OPERATING REVENUES: (SCH D P.11)					
BASE REVENUE	4,388,093.22	1,925,013.36	13,155,956.58	6,085,527.36	-53.74%
FUEL REVENUE	3,096,134.62	2,758,999.30	9,434,647.92	10,386,553.45	10.09%
PURCHASED POWER CAPACITY	23,406.80	2,542,665.72	68,739.15	8,099,597.29	11683.09%
FORFEITED DISCOUNTS	76,781.85	108,263.18	223,391.10	249,020.22	11.47%
ENERGY CONSERVATION REVENUE	67,828.50	59,812.67	199,262.86	190,585.45	-4.35%
GAW REVENUE	68,822.22	0.00	202,191.02	0.00	100.00%
NYPA CREDIT	(61,811.13)	(73,836.15)	(149,297.25)	(157,619.41)	5.57%
TOTAL OPERATING REVENUES	7,659,256.08	7,320,918.08	23,134,891.38	24,853,664.36	7.43%
OPERATING EXPENSES: (SCH E P.12)					
PURCHASED POWER BASE	2,424,682.96	2,576,986.27	7,811,025.76	7,909,530.96	1.26%
PURCHASED POWER FUEL	2,168,234.24	2,358,565.60	8,399,833.69	8,414,519.55	0.17%
OPERATING	778,965.79	772,492.30	2,567,919.66	2,439,760.44	-4.99%
MAINTENANCE	280,641.65	351,060.97	673,512.51	821,822.59	22.02%
DEPRECIATION	314,969.55	321,788.79	944,908.65	965,366.37	2.17%
VOLUNTARY PAYMENTS TO TOWNS	116,666.67	118,000.00	350,000.01	354,000.00	1.14%
TOTAL OPERATING EXPENSES	6,084,160.86	6,498,893.93	20,747,200.28	20,904,999.91	0.76%
OPERATING INCOME	1,575,095.22	822,024.15	2,387,691.10	3,948,664.45	65.38%
NONOPERATING REVENUES (EXPENSES)					
CONTRIBUTIONS IN AID OF CONST	(280.37)	395.20	4,937.38	395.20	0.00%
RETURN ON INVESTMENT TO READING	(191,768.41)	(194,405.25)	(575,305.25)	(583,215.75)	1.38%
INTEREST INCOME	2,285.65	10,097.40	7,361.47	32,355.54	339.53%
INTEREST EXPENSE	(254.60)	(261.92)	(770.38)	(782.66)	1.59%
OTHER (MDSE AND AMORT)	78,804.93	2,002.00	83,094.93	93,261.03	12.23%
TOTAL NONOPERATING REV (EXP)	(111,212.80)	(182,172.57)	(480,681.85)	(457,986.64)	-4.72%
CHANGE IN NET ASSETS	1,463,882.42	639,851.58	1,907,009.25	3,490,677.81	83.04%
NET ASSETS AT BEGINNING OF YEAR			98,317,178.79	101,873,334.16	3.62%
NET ASSETS AT END OF SEPTEMBER			100,224,188.04	105,364,011.97	5.13%

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
BUSINESS-TYPE PROPRIETARY FUND
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS
9/30/2014

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE*	% CHANGE
OPERATING REVENUES: (SCH F P.11B)				
BASE REVENUE	6,085,527.36	14,709,336.00	(8,623,808.64)	-58.63%
FUEL REVENUE	10,386,553.45	10,752,311.00	(365,757.55)	-3.40%
PURCHASED POWER CAPACITY	8,099,597.29	0.00	8,099,597.29	100.00%
FORFEITED DISCOUNTS	249,020.22	323,605.00	(74,584.78)	-23.05%
ENERGY CONSERVATION REVENUE	190,585.45	202,170.00	(11,584.55)	-5.73%
NYPA CREDIT	(157,619.41)	(174,999.00)	17,379.59	-9.93%
TOTAL OPERATING REVENUES	24,853,664.36	25,812,423.00	(958,758.64)	-3.71%
OPERATING EXPENSES: (SCH G P.12A)				
PURCHASED POWER BASE	7,909,530.96	7,920,600.00	(11,069.04)	-0.14%
PURCHASED POWER FUEL	8,414,519.55	9,056,605.00	(642,085.45)	-7.09%
OPERATING	2,439,760.44	2,855,299.00	(415,538.56)	-14.55%
MAINTENANCE	821,822.59	804,292.00	17,530.59	2.18%
DEPRECIATION	965,366.37	972,999.00	(7,632.63)	-0.78%
VOLUNTARY PAYMENTS TO TOWNS	354,000.00	354,000.00	0.00	0.00%
TOTAL OPERATING EXPENSES	20,904,999.91	21,963,795.00	(1,058,795.09)	-4.82%
OPERATING INCOME	3,948,664.45	3,848,628.00	100,036.45	2.60%
NONOPERATING REVENUES (EXPENSES)				
CONTRIBUTIONS IN AID OF CONST	395.20	50,000.00	(49,604.80)	-99.21%
RETURN ON INVESTMENT TO READING	(583,215.75)	(583,215.00)	(0.75)	0.00%
INTEREST INCOME	32,355.54	24,999.00	7,356.54	29.43%
INTEREST EXPENSE	(782.66)	(750.00)	(32.66)	4.35%
OTHER (MDSE AND AMORT)	93,261.03	69,000.00	24,261.03	35.16%
TOTAL NONOPERATING REV (EXP)	(457,986.64)	(439,966.00)	(18,020.64)	4.10%
CHANGE IN NET ASSETS	3,490,677.81	3,408,662.00	82,015.81	2.41%
NET ASSETS AT BEGINNING OF YEAR	101,873,334.16	101,873,334.16	0.00	0.00%
NET ASSETS AT END OF SEPTEMBER	105,364,011.97	105,281,996.16	82,015.81	0.08%

* () = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
RECONCILIATION OF CAPITAL FUNDS
9/30/2014

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	3,640.62
DEPRECIATION TRANSFER FY 15	<u>965,366.37</u>
TOTAL SOURCE OF CAPITAL FUNDS	6,099,591.58

USE OF CAPITAL FUNDS:

LESS PAID ADDITIONS TO PLANT THRU SEPTEMBER	736,254.92
GENERAL LEDGER CAPITAL FUNDS BALANCE 9/30/14	<u><u>5,363,336.66</u></u>

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
SALES OF KILOWATT HOURS
9/30/2014

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	25,540,399	22,939,398	80,169,552	75,043,290	-6.39%
COMM. AND INDUSTRIAL SALES	40,557,855	35,714,805	114,464,916	112,076,532	-2.09%
PRIVATE STREET LIGHTING	73,957	78,696	222,003	236,838	6.68%
TOTAL PRIVATE CONSUMERS	<u>66,172,211</u>	<u>58,732,899</u>	<u>194,856,471</u>	<u>187,356,660</u>	-3.85%
MUNICIPAL SALES:					
STREET LIGHTING	239,515	242,669	718,505	729,038	1.47%
MUNICIPAL BUILDINGS	875,317	750,172	2,461,219	2,416,962	-1.80%
TOTAL MUNICIPAL CONSUMERS	<u>1,114,832</u>	<u>992,841</u>	<u>3,179,724</u>	<u>3,146,000</u>	-1.06%
SALES FOR RESALE	365,264	347,064	1,089,486	1,085,516	-0.36%
SCHOOL	1,159,553	1,036,921	3,044,297	3,181,905	4.52%
TOTAL KILOWATT HOURS SOLD	<u>68,811,860</u>	<u>61,109,725</u>	<u>202,169,978</u>	<u>194,770,081</u>	-3.66%

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
KILOWATT HOURS SOLD BY TOWN
9/30/2014

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	22,939,398	7,293,294	3,582,043	5,175,288	6,888,773
COMM & IND	35,714,805	4,460,805	299,833	5,481,548	25,472,619
PVT ST LIGHTS	78,696	13,102	1,524	24,826	39,244
PUB ST LIGHTS	242,669	81,549	32,770	42,644	85,706
MUNI BLDGS	750,172	176,606	177,483	144,132	251,951
SALES/RESALE	347,064	347,064	0	0	0
SCHOOL	1,036,921	391,422	248,605	92,360	304,534
TOTAL	<u>61,109,725</u>	<u>12,763,842</u>	<u>4,342,258</u>	<u>10,960,798</u>	<u>33,042,827</u>

YEAR TO DATE

RESIDENTIAL	75,043,290	23,125,980	11,194,762	17,317,923	23,404,625
COMM & IND	112,076,532	13,954,255	908,358	17,557,728	79,656,191
PVT ST LIGHTS	236,838	39,938	4,572	74,280	118,048
PUB ST LIGHTS	729,038	244,994	98,448	128,113	257,483
MUNI BLDGS	2,416,962	546,624	525,872	476,890	867,576
SALES/RESALE	1,085,516	1,085,516	0	0	0
SCHOOL	3,181,905	1,208,432	726,715	340,560	906,198
TOTAL	<u>194,770,081</u>	<u>40,205,739</u>	<u>13,458,727</u>	<u>35,895,494</u>	<u>105,210,121</u>

LAST YEAR
TO DATE

RESIDENTIAL	80,169,552	24,831,914	11,854,932	18,651,433	24,831,273
COMM & IND	114,464,916	14,024,549	961,054	17,719,602	81,759,711
PVT ST LIGHTS	222,003	39,387	4,080	66,526	112,010
PUB ST LIGHTS	718,505	241,986	97,500	125,018	254,001
MUNI BLDGS	2,461,219	567,020	505,645	495,125	893,429
SALES/RESALE	1,089,486	1,089,486	0	0	0
SCHOOL	3,044,297	1,111,061	726,618	358,960	847,658
TOTAL	<u>202,169,978</u>	<u>41,905,403</u>	<u>14,149,829</u>	<u>37,416,664</u>	<u>108,698,082</u>

KILOWATT HOURS SOLD TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	37.54%	11.93%	5.86%	8.47%	11.28%
COMM & IND	58.44%	7.30%	0.49%	8.97%	41.68%
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	1.23%	0.29%	0.29%	0.24%	0.41%
SALES/RESALE	0.57%	0.57%	0.00%	0.00%	0.00%
SCHOOL	1.70%	0.64%	0.41%	0.15%	0.50%
TOTAL	<u>100.00%</u>	<u>20.88%</u>	<u>7.10%</u>	<u>17.94%</u>	<u>54.08%</u>

YEAR TO DATE

RESIDENTIAL	38.53%	11.87%	5.75%	8.89%	12.02%
COMM & IND	57.54%	7.16%	0.47%	9.01%	40.90%
PVT ST LIGHTS	0.12%	0.02%	0.00%	0.04%	0.06%
PUB ST LIGHTS	0.38%	0.13%	0.05%	0.07%	0.13%
MUNI BLDGS	1.24%	0.28%	0.27%	0.24%	0.45%
SALES/RESALE	0.56%	0.56%	0.00%	0.00%	0.00%
SCHOOL	1.63%	0.62%	0.37%	0.17%	0.47%
TOTAL	<u>100.00%</u>	<u>20.64%</u>	<u>6.91%</u>	<u>18.42%</u>	<u>54.03%</u>

LAST YEAR
TO DATE

RESIDENTIAL	39.65%	12.28%	5.86%	9.23%	12.28%
COMM & IND	56.62%	6.94%	0.48%	8.76%	40.44%
PVT ST LIGHTS	0.11%	0.02%	0.00%	0.03%	0.06%
PUB ST LIGHTS	0.36%	0.12%	0.05%	0.06%	0.13%
MUNI BLDGS	1.21%	0.28%	0.25%	0.24%	0.44%
SALES/RESALE	0.54%	0.54%	0.00%	0.00%	0.00%
SCHOOL	1.51%	0.55%	0.36%	0.18%	0.42%
TOTAL	<u>100.00%</u>	<u>20.73%</u>	<u>7.00%</u>	<u>18.50%</u>	<u>53.77%</u>

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
FORMULA INCOME
9/30/2014

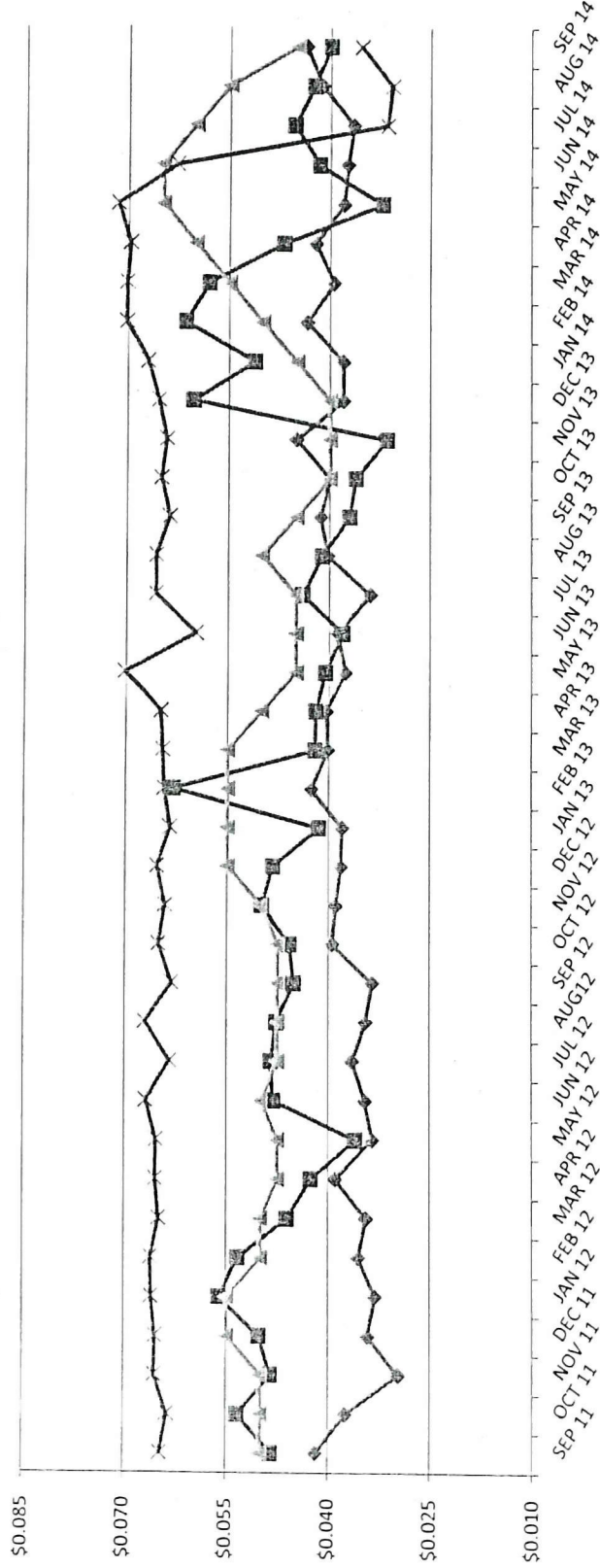
TOTAL OPERATING REVENUES	(P.3)	24,853,664.36
ADD:		
POLE RENTAL		0.00
INTEREST INCOME ON CUSTOMER DEPOSITS		788.68
LESS:		
OPERATING EXPENSES	(P.3)	(20,904,999.91)
CUSTOMER DEPOSIT INTEREST EXPENSE		(782.66)
FORMULA INCOME (LOSS)		<u><u>3,948,670.47</u></u>

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
GENERAL STATISTICS
9/30/2014

		MONTH OF SEP 2013	MONTH OF SEP 2014	% CHANGE 2013 2014		YEAR SEP 2013	THRU SEP 2014
SALE OF KWH	(P.5)	68,811,860	61,109,725	-3.05%	-3.66%	202,169,978	194,770,081
KWH PURCHASED		58,649,074	58,968,269	-3.68%	-1.66%	199,904,885	196,595,839
AVE BASE COST PER KWH		0.041342	0.043701	396.00%	2.96%	0.039074	0.040232
AVE BASE SALE PER KWH		0.063769	0.031501	0.89%	-51.99%	0.065074	0.031245
AVE COST PER KWH		0.078312	0.083698	-4.41%	2.39%	0.081093	0.083034
AVE SALE PER KWH		0.108764	0.076649	-0.19%	-24.31%	0.111741	0.084572
FUEL CHARGE REVENUE (P.3)		3,096,134.62	2,758,999.30	-4.65%	10.09%	9,434,647.92	10,386,553.45
LOAD FACTOR		51.42%	53.71%				
PEAK LOAD		156,230	150,405				

kwh analysis

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



TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
SCHEDULE OF CASH AND INVESTMENTS
9/30/2014

SCHEDULE A

	PREVIOUS YEAR	CURRENT YEAR
UNRESTRICTED CASH		
CASH - OPERATING FUND	8,226,356.39	11,035,619.90
CASH - PETTY CASH	3,000.00	3,000.00
TOTAL UNRESTRICTED CASH	<u>8,229,356.39</u>	<u>11,038,619.90</u>
RESTRICTED CASH		
CASH - DEPRECIATION FUND	3,679,743.06	5,099,591.58
CASH - CONSTRUCTION FUND	740,489.65	263,745.08
CASH - TOWN PAYMENT	925,305.27	937,215.75
CASH - DEFERRED FUEL RESERVE	3,495,004.36	5,947,109.45
CASH - RATE STABILIZATION FUND	6,695,667.22	6,741,747.60
CASH - UNCOLLECTIBLE ACCTS RESERVE	200,000.00	200,000.00
CASH - SICK LEAVE BENEFITS	3,133,039.93	1,684,533.64
CASH - HAZARD WASTE RESERVE	150,000.00	150,000.00
CASH - CUSTOMER DEPOSITS	746,358.61	807,738.14
CASH - ENERGY CONSERVATION	437,139.52	582,350.29
TOTAL RESTRICTED CASH	<u>20,202,747.62</u>	<u>22,414,031.53</u>
INVESTMENTS		
SICK LEAVE BUYBACK	<u>0.00</u>	<u>1,292,906.26</u>
TOTAL CASH BALANCE	<u>28,432,104.01</u>	<u>34,745,557.69</u>

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
SCHEDULE OF ACCOUNTS RECEIVABLE
9/30/2014

SCHEDULE B

SCHEDULE OF ACCOUNTS RECEIVABLE	PREVIOUS YEAR	CURRENT YEAR
RESIDENTIAL AND COMMERCIAL	4,382,722.72	2,315,435.44
ACCOUNTS RECEIVABLE - OTHER	191,098.46	36,729.23
ACCOUNTS RECEIVABLE - LIENS	28,097.35	18,531.86
ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES	892.14	892.14
SALES DISCOUNT LIABILITY	(336,183.12)	(189,055.47)
RESERVE FOR UNCOLLECTIBLE ACCOUNTS	(229,274.56)	(242,977.30)
TOTAL ACCOUNTS RECEIVABLE BILLED	<u>4,037,352.99</u>	<u>1,939,555.90</u>
UNBILLED ACCOUNTS RECEIVABLE	4,158,022.50	5,622,269.28
TOTAL ACCOUNTS RECEIVABLE, NET	<u><u>8,195,375.49</u></u>	<u><u>7,561,825.18</u></u>

SCHEDULE OF PREPAYMENTS

PREPAID INSURANCE	878,713.48	892,934.06
PREPAYMENT PURCHASED POWER	45,427.17	(11,355.59)
PREPAYMENT PASNY	242,260.90	259,957.39
PREPAYMENT WATSON	230,801.89	252,480.42
PURCHASED POWER WORKING CAPITAL	14,523.70	12,700.11
TOTAL PREPAYMENT	<u><u>1,411,727.14</u></u>	<u><u>1,406,716.39</u></u>

ACCOUNTS RECEIVABLE AGING SEPTEMBER 2014:

RESIDENTIAL AND COMMERCIAL	2,315,435.44
LESS: SALES DISCOUNT LIABILITY	(189,055.47)
GENERAL LEDGER BALANCE	<u><u>2,126,379.97</u></u>

CURRENT	1,652,618.50	76.71%
30 DAYS	362,982.61	17.07%
60 DAYS	53,086.64	2.50%
90 DAYS	12,274.62	0.58%
OVER 90 DAYS	45,417.60	2.14%
TOTAL	<u><u>2,126,379.97</u></u>	<u><u>100.00%</u></u>

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
SCHEDULE OF OPERATING REVENUE
9/30/2014

SCHEDULE D

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
SALES OF ELECTRICITY:					
RESIDENTIAL SALES	3,132,641.80	2,056,407.30	9,961,643.09	7,350,485.41	-26.21%
COMM AND INDUSTRIAL SALES	4,057,260.29	2,427,140.29	11,788,188.40	8,449,224.57	-28.32%
PRIVATE STREET LIGHTING	5,595.73	9,023.30	17,178.79	29,082.19	69.29%
TOTAL PRIVATE CONSUMERS	<u>7,195,497.82</u>	<u>4,492,570.89</u>	<u>21,767,010.28</u>	<u>15,828,792.17</u>	-27.28%
MUNICIPAL SALES:					
STREET LIGHTING	27,072.58	29,860.45	82,409.26	89,581.35	8.70%
MUNICIPAL BUILDINGS	95,737.98	57,058.21	278,037.77	197,228.47	-29.06%
TOTAL MUNICIPAL CONSUMERS	<u>122,810.56</u>	<u>86,918.66</u>	<u>360,447.03</u>	<u>286,809.82</u>	-20.43%
SALES FOR RESALE	41,577.45	27,694.90	125,818.59	95,864.70	-23.81%
SCHOOL	<u>124,342.01</u>	<u>76,828.21</u>	<u>337,328.60</u>	<u>260,614.12</u>	-22.74%
SUB-TOTAL	7,484,227.84	4,684,012.66	22,590,604.50	16,472,080.81	-27.08%
FORFEITED DISCOUNTS	76,781.85	108,263.18	223,391.10	249,020.22	11.47%
PURCHASED POWER CAPACITY	23,406.80	2,542,665.72	68,739.15	8,099,597.29	11683.09%
ENERGY CONSERVATION - RESIDENTIAL	25,554.01	22,939.09	80,206.52	75,062.94	-6.41%
ENERGY CONSERVATION - COMMERCIAL	42,274.49	36,873.58	119,056.34	115,522.51	-2.97%
GAW REVENUE	68,822.22	0.00	202,191.02	0.00	-100.00%
NYPA CREDIT	(61,811.13)	(73,836.15)	(149,297.25)	(157,619.41)	5.57%
TOTAL REVENUE	<u><u>7,659,256.08</u></u>	<u><u>7,320,918.08</u></u>	<u><u>23,134,891.38</u></u>	<u><u>24,853,664.36</u></u>	7.43%

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
SCHEDULE OF OPERATING REVENUE BY TOWN
9/30/2014

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	2,056,407.30	657,792.23	317,429.89	463,595.43	617,589.75
INDUS/MUNI BLDG	2,484,198.50	342,598.54	35,267.54	445,864.82	1,660,467.60
PUB. ST. LIGHTS	29,860.45	10,014.23	4,024.08	5,267.05	10,555.09
PRV. ST. LIGHTS	9,023.30	1,490.07	177.54	2,948.23	4,407.46
CO-OP RESALE	27,694.90	27,694.90	0.00	0.00	0.00
SCHOOL	76,828.21	29,151.06	18,118.10	7,051.78	22,507.27
TOTAL	<u>4,684,012.66</u>	<u>1,068,741.03</u>	<u>375,017.15</u>	<u>924,727.31</u>	<u>2,315,527.17</u>

THIS YEAR TO DATE

RESIDENTIAL	7,350,485.41	2,273,055.54	1,087,962.49	1,692,603.84	2,296,863.54
INDUS/MUNI BLDG	8,646,453.04	1,190,908.22	118,411.39	1,480,385.94	5,856,747.49
PUB. ST. LIGHTS	89,581.35	30,042.69	12,072.24	15,801.15	31,665.27
PRV. ST. LIGHTS	29,082.19	4,834.10	570.72	9,434.80	14,242.57
CO-OP RESALE	95,864.70	95,864.70	0.00	0.00	0.00
SCHOOL	260,614.12	98,770.33	58,546.49	29,513.10	73,784.20
TOTAL	<u>16,472,080.81</u>	<u>3,693,475.58</u>	<u>1,277,563.31</u>	<u>3,227,738.84</u>	<u>8,273,303.08</u>

LAST YEAR TO DATE

RESIDENTIAL	9,961,643.09	3,102,957.12	1,463,052.89	2,319,914.15	3,075,718.93
INDUS/MUNI BLDG	12,066,226.17	1,606,957.16	161,557.73	1,926,936.10	8,370,775.18
PUB. ST. LIGHTS	82,409.26	26,828.72	10,600.31	14,582.09	30,398.14
PRV. ST. LIGHTS	17,178.79	3,025.09	310.43	5,319.37	8,523.90
CO-OP RESALE	125,818.59	125,818.59	0.00	0.00	0.00
SCHOOL	337,328.60	123,798.95	78,654.72	40,968.64	93,906.29
TOTAL	<u>22,590,604.50</u>	<u>4,989,385.63</u>	<u>1,714,176.08</u>	<u>4,307,720.35</u>	<u>11,579,322.44</u>

PERCENTAGE OF OPERATING INCOME TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	43.90%	14.04%	6.78%	9.90%	13.18%
INDUS/MUNI BLDG	53.04%	7.31%	0.75%	9.52%	35.46%
PUB. ST. LIGHTS	0.64%	0.21%	0.09%	0.11%	0.23%
PRV. ST. LIGHTS	0.19%	0.03%	0.00%	0.06%	0.10%
CO-OP RESALE	0.59%	0.59%	0.00%	0.00%	0.00%
SCHOOL	1.64%	0.62%	0.39%	0.15%	0.48%
TOTAL	<u>100.00%</u>	<u>22.80%</u>	<u>8.01%</u>	<u>19.74%</u>	<u>49.45%</u>

THIS YEAR TO DATE

RESIDENTIAL	44.62%	13.80%	6.60%	10.28%	13.94%
INDUS/MUNI BLDG	52.50%	7.23%	0.72%	8.99%	35.56%
PUB. ST. LIGHTS	0.54%	0.18%	0.07%	0.10%	0.19%
PRV. ST. LIGHTS	0.18%	0.03%	0.00%	0.06%	0.09%
CO-OP RESALE	0.58%	0.58%	0.00%	0.00%	0.00%
SCHOOL	1.58%	0.60%	0.36%	0.18%	0.44%
TOTAL	<u>100.00%</u>	<u>22.42%</u>	<u>7.75%</u>	<u>19.61%</u>	<u>50.22%</u>

LAST YEAR TO DATE

RESIDENTIAL	44.10%	13.74%	6.48%	10.27%	13.61%
INDUS/MUNI BLDG	53.41%	7.11%	0.72%	8.53%	37.05%
PUB. ST. LIGHTS	0.36%	0.12%	0.05%	0.06%	0.13%
RV. ST. LIGHTS	0.08%	0.01%	0.00%	0.02%	0.05%
CO-OP RESALE	0.56%	0.56%	0.00%	0.00%	0.00%
SCHOOL	1.49%	0.55%	0.35%	0.18%	0.41%
TOTAL	<u>100.00%</u>	<u>22.09%</u>	<u>7.60%</u>	<u>19.06%</u>	<u>51.25%</u>

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
BUDGETED REVENUE VARIANCE REPORT
9/30/2014

SCHEDULE F

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
SALES OF ELECTRICITY:				
RESIDENTIAL	3,332,955.01	6,813,173.00	(3,480,217.99)	-51.08%
COMM AND INDUSTRIAL SALES PRIVATE STREET LIGHTING MUNICIPAL BUILDINGS	2,573,429.90	7,522,401.00	(4,948,971.10)	-65.79%
PUBLIC STREET LIGHTING	50,754.31	55,349.00	(4,594.69)	-8.30%
SALES FOR RESALE	37,765.79	97,824.00	(60,058.21)	-61.39%
SCHOOL	<u>90,622.35</u>	<u>220,589.00</u>	<u>(129,966.65)</u>	-58.92%
 TOTAL BASE SALES	 6,085,527.36	 14,709,336.00	 (8,623,808.64)	 -58.63%
TOTAL FUEL SALES	<u>10,386,553.45</u>	<u>10,752,311.00</u>	<u>(365,757.55)</u>	-3.40%
TOTAL OPERATING REVENUE	16,472,080.81	25,461,647.00	(8,989,566.19)	-35.31%
FORFEITED DISCOUNTS	249,020.22	323,605.00	(74,584.78)	-23.05%
PURCHASED POWER CAPACITY	8,099,597.29	0.00	8,099,597.29	100.00%
ENERGY CONSERVATION - RESIDENTIAL	75,062.94	80,170.00	(5,107.06)	-6.37%
ENERGY CONSERVATION - COMMERCIAL	115,522.51	122,000.00	(6,477.49)	-5.31%
NYPA CREDIT	(157,619.41)	(174,999.00)	17,379.59	-9.93%
 TOTAL OPERATING REVENUES	 <u><u>24,853,664.36</u></u>	 <u><u>25,812,423.00</u></u>	 <u><u>(958,758.64)</u></u>	 -3.71%

* () = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
SCHEDULE OF OPERATING EXPENSES
9/30/2014

SCHEDULE E

OPERATION EXPENSES:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
PURCHASED POWER BASE EXPENSE	2,424,682.96	2,576,986.27	7,811,025.76	7,909,530.96	1.26%
OPERATION SUP AND ENGINEERING EXP	44,470.64	43,416.10	132,154.69	129,050.92	-2.35%
STATION SUP LABOR AND MISC	6,742.17	12,483.78	27,001.79	34,898.30	29.24%
LINE MISC LABOR AND EXPENSE	42,755.50	45,564.01	160,485.30	141,194.39	-12.02%
STATION LABOR AND EXPENSE	35,871.02	34,024.06	121,955.72	109,539.88	-10.18%
STREET LIGHTING EXPENSE	6,799.51	9,779.82	16,627.25	28,406.76	70.84%
METER EXPENSE	12,591.25	14,795.33	42,963.09	43,856.56	2.08%
MISC DISTRIBUTION EXPENSE	30,154.36	31,795.62	81,911.70	86,260.06	5.31%
METER READING LABOR & EXPENSE	3,254.48	1,045.58	11,026.42	5,040.36	-54.29%
ACCT & COLL LABOR & EXPENSE	104,316.38	122,722.86	364,441.99	390,661.82	7.19%
UNCOLLECTIBLE ACCOUNTS	10,500.00	10,000.00	31,500.00	30,000.00	-4.76%
ENERGY AUDIT EXPENSE	32,558.81	29,055.55	107,744.30	92,531.23	-14.12%
ADMIN & GEN SALARIES	67,215.62	63,891.79	225,991.98	204,242.87	-9.62%
OFFICE SUPPLIES & EXPENSE	27,251.18	26,624.13	61,434.14	64,221.07	4.54%
OUTSIDE SERVICES	61,252.60	13,599.10	70,634.39	78,658.45	11.36%
PROPERTY INSURANCE	29,926.02	29,863.73	89,778.06	89,591.19	-0.21%
INJURIES AND DAMAGES	3,305.95	4,511.34	9,480.60	10,631.92	12.14%
EMPLOYEES PENSIONS & BENEFITS	172,913.94	221,356.62	832,793.43	764,003.11	-8.26%
MISC GENERAL EXPENSE	23,952.65	15,311.42	44,291.16	30,198.87	-31.82%
RENT EXPENSE	27,323.71	13,907.10	54,558.65	41,276.52	-24.34%
ENERGY CONSERVATION	35,810.00	28,744.36	81,145.00	65,496.16	-19.29%
TOTAL OPERATION EXPENSES	778,965.79	772,492.30	2,567,919.66	2,439,760.44	-4.99%
MAINTENANCE EXPENSES:					
M OF TRANSMISSION PLANT	227.08	227.10	681.24	681.30	0.01%
M OF STRUCT AND EQUIPMT	14,459.58	73,545.52	40,968.41	158,982.20	288.06%
MAINT OF LINES - OH	121,256.10	158,559.21	359,467.03	415,951.27	15.71%
MAINT OF LINES - UG	17,856.13	24,553.53	49,853.69	37,745.23	-24.29%
MAINT OF LINE TRANSFORMERS	71,367.07	20,945.46	73,450.55	27,842.96	0.00%
MAINT OF ST LT & SIG SYSTEM	(64.26)	(16.34)	(235.11)	(138.04)	-41.29%
MAINT OF GARAGE AND STOCKROOM	39,282.19	38,101.83	109,480.40	108,446.40	-0.94%
MAINT OF METERS	3,026.99	0.00	7,602.46	0.00	-100.00%
MAINT OF GEN PLANT	13,230.77	35,144.66	32,243.84	72,311.27	124.26%
TOTAL MAINTENANCE EXPENSES	280,641.65	351,060.97	673,512.51	821,822.59	22.02%
DEPRECIATION EXPENSE	314,969.55	321,788.79	944,908.65	965,366.37	2.17%
PURCHASED POWER FUEL EXPENSE	2,168,234.24	2,358,565.60	8,399,833.69	8,414,519.55	0.17%
VOLUNTARY PAYMENTS TO TOWNS	116,666.67	118,000.00	350,000.01	354,000.00	1.14%
TOTAL OPERATING EXPENSES	6,084,160.86	6,498,893.93	20,747,200.28	20,904,999.91	0.76%

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
BUDGETED OPERATING EXPENSE VARIANCE REPORT
9/30/2014

SCHEDULE G

OPERATION EXPENSES:	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
PURCHASED POWER BASE EXPENSE	7,909,530.96	7,920,600.00	(11,069.04)	-0.14%
OPERATION SUP AND ENGINEERING EXP	129,050.92	143,690.00	(14,639.08)	-10.19%
STATION SUP LABOR AND MISC	34,898.30	26,837.00	8,061.30	30.04%
LINE MISC LABOR AND EXPENSE	141,194.39	166,761.00	(25,566.61)	-15.33%
STATION LABOR AND EXPENSE	109,539.88	97,640.00	11,899.88	12.19%
STREET LIGHTING EXPENSE	28,406.76	21,097.00	7,309.76	34.65%
METER EXPENSE	43,856.56	55,826.00	(11,969.44)	-21.44%
MISC DISTRIBUTION EXPENSE	86,260.06	97,601.00	(11,340.94)	-11.62%
METER READING LABOR & EXPENSE	5,040.36	7,805.00	(2,764.64)	-35.42%
ACCT & COLL LABOR & EXPENSE	390,661.82	433,610.00	(42,948.18)	-9.90%
UNCOLLECTIBLE ACCOUNTS	30,000.00	30,000.00	0.00	0.00%
ENERGY AUDIT EXPENSE	92,531.23	120,324.00	(27,792.77)	-23.10%
ADMIN & GEN SALARIES	204,242.87	208,646.00	(4,403.13)	-2.11%
OFFICE SUPPLIES & EXPENSE	64,221.07	75,300.00	(11,078.93)	-14.71%
OUTSIDE SERVICES	78,658.45	114,155.00	(35,496.55)	-31.10%
PROPERTY INSURANCE	89,591.19	113,352.00	(23,760.81)	-20.96%
INJURIES AND DAMAGES	10,631.92	12,714.00	(2,082.08)	-16.38%
EMPLOYEES PENSIONS & BENEFITS	764,003.11	798,924.00	(34,920.89)	-4.37%
MISC GENERAL EXPENSE	30,198.87	83,846.00	(53,647.13)	-63.98%
RENT EXPENSE	41,276.52	53,001.00	(11,724.48)	-22.12%
ENERGY CONSERVATION	65,496.16	194,170.00	(128,673.84)	-66.27%
TOTAL OPERATION EXPENSES	2,439,760.44	2,855,299.00	(415,538.56)	-14.55%
MAINTENANCE EXPENSES:				
MAINT OF TRANSMISSION PLANT	681.30	750.00	(68.70)	-9.16%
MAINT OF STRUCT AND EQUIPMENT	158,982.20	120,283.00	38,699.20	32.17%
MAINT OF LINES - OH	415,951.27	419,235.00	(3,283.73)	-0.78%
MAINT OF LINES - UG	37,745.23	32,739.00	5,006.23	15.29%
MAINT OF LINE TRANSFORMERS	27,842.96	39,000.00	(11,157.04)	-28.61%
MAINT OF ST LT & SIG SYSTEM	(138.04)	2,470.00	(2,608.04)	-105.59%
MAINT OF GARAGE AND STOCKROOM	108,446.40	132,001.00	(23,554.60)	-17.84%
MAINT OF METERS	0.00	15,607.00	(15,607.00)	-100.00%
MAINT OF GEN PLANT	72,311.27	42,207.00	30,104.27	71.33%
TOTAL MAINTENANCE EXPENSES	821,822.59	804,292.00	17,530.59	2.18%
DEPRECIATION EXPENSE	965,366.37	972,999.00	(7,632.63)	-0.78%
PURCHASED POWER FUEL EXPENSE	8,414,519.55	9,056,605.00	(642,085.45)	-7.09%
VOLUNTARY PAYMENTS TO TOWNS	354,000.00	354,000.00	0.00	0.00%
TOTAL OPERATING EXPENSES	20,904,999.91	21,963,795.00	(1,058,795.09)	-4.82%

* () = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
BUDGETED OPERATING EXPENSE VARIANCE REPORT
9/30/2014

OPERATION EXPENSES:	RESPONSIBLE SENIOR MANAGER	2015 ANNUAL BUDGET	ACTUAL YEAR TO DATE	REMAINING BUDGET BALANCE	REMAINING BUDGET %
PURCHASED POWER BASE EXPENSE	JP	28,889,014.00	7,909,530.96	20,979,483.04	72.62%
OPERATION SUP AND ENGINEERING EXP	KS	583,668.00	129,050.92	454,617.08	77.89%
STATION SUP LABOR AND MISC	KS	108,848.00	34,898.30	73,949.70	67.94%
LINE MISC LABOR AND EXPENSE	KS	657,259.00	141,194.39	516,064.61	78.52%
STATION LABOR AND EXPENSE	KS	398,849.00	109,539.88	289,309.12	72.54%
STREET LIGHTING EXPENSE	KS	82,907.00	28,406.76	54,500.24	65.74%
METER EXPENSE	KS	247,938.00	43,856.56	204,081.44	82.31%
MISC DISTRIBUTION EXPENSE	KS	402,885.00	86,260.06	316,624.94	78.59%
METER READING LABOR & EXPENSE	KS	30,922.00	5,040.36	25,881.64	83.70%
ACCT & COLL LABOR & EXPENSE	RF	1,705,333.00	390,661.82	1,314,671.18	77.09%
UNCOLLECTIBLE ACCOUNTS	RF	120,000.00	30,000.00	90,000.00	75.00%
ENERGY AUDIT EXPENSE	JP	488,284.00	92,531.23	395,752.77	81.05%
ADMIN & GEN SALARIES	CO	842,170.00	204,242.87	637,927.13	75.75%
OFFICE SUPPLIES & EXPENSE	CO	301,000.00	64,221.07	236,778.93	78.66%
OUTSIDE SERVICES	CO	351,650.00	78,658.45	272,991.55	77.63%
PROPERTY INSURANCE	KS	453,200.00	89,591.19	363,608.81	80.23%
INJURIES AND DAMAGES	KS	49,059.00	10,631.92	38,427.08	78.33%
EMPLOYEES PENSIONS & BENEFITS	KS	2,746,619.00	764,003.11	1,982,615.89	72.18%
MISC GENERAL EXPENSE	CO	240,727.00	30,198.87	210,528.13	87.46%
RENT EXPENSE	KS	212,000.00	41,276.52	170,723.48	80.53%
ENERGY CONSERVATION	JP	778,812.00	65,496.16	713,315.84	91.59%
TOTAL OPERATION EXPENSES		10,802,130.00	2,439,760.44	8,362,369.56	77.41%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	KS	3,000.00	681.30	2,318.70	77.29%
MAINT OF STRUCT AND EQUIPMT	KS	484,026.00	158,982.20	325,043.80	67.15%
MAINT OF LINES - OH	KS	1,675,794.00	415,951.27	1,259,842.73	75.18%
MAINT OF LINES - UG	KS	130,694.00	37,745.23	92,948.77	71.12%
MAINT OF LINE TRANSFORMERS	KS	156,000.00	27,842.96	128,157.04	82.15%
MAINT OF ST LT & SIG SYSTEM	KS	9,745.00	(138.04)	9,883.04	101.42%
MAINT OF GARAGE AND STOCKROOM	KS	567,531.00	108,446.40	459,084.60	80.89%
MAINT OF METERS	KS	43,290.00	0.00	43,290.00	100.00%
MAINT OF GEN PLANT	RF	170,180.00	72,311.27	97,868.73	57.51%
TOTAL MAINTENANCE EXPENSES		3,240,260.00	821,822.59	2,418,437.41	74.64%
DEPRECIATION EXPENSE	RF	3,892,000.00	965,366.37	2,926,633.63	75.20%
PURCHASED POWER FUEL EXPENSE	JP	36,249,653.00	8,414,519.55	27,835,133.45	76.79%
VOLUNTARY PAYMENTS TO TOWNS	RF	1,416,000.00	354,000.00	1,062,000.00	75.00%
TOTAL OPERATING EXPENSES		84,489,057.00	20,904,999.91	63,584,057.09	75.26%

TOWN OF READING, MASSACHUSETTS
MUNICIPAL LIGHT DEPARTMENT
PROFESSIONAL SERVICES
9/30/2014

PROFESSIONAL SERVICES BY PROJECT

ITEM	DEPARTMENT	ACTUAL	BUDGET
1 RMLD AND PENSION TRUST AUDIT FEES	ACCOUNTING	4,647.24	35,000.00
2 LEGAL-FERC/ISO/POWER/OTHER	INTEGRATED RESOURCES	13,800.06	34,575.00
3 NERC COMPLIANCE AND AUDIT	E & O	3,270.00	2,625.00
4 LEGAL	ENGINEERING	0.00	3,375.00
5 LEGAL-GENERAL	GM	50,013.95	13,251.00
6 LEGAL SERVICES	HR	6,927.20	15,999.00
7 SURVEY RIGHT OF WAY/ ENVIRONMENTAL	BLDG. MAINT.	0.00	2,580.00
8 INSURANCE CONSULTANT/OTHER	GEN. BENEFIT	0.00	6,750.00
TOTAL		<u>78,658.45</u>	<u>114,155.00</u>

PROFESSIONAL SERVICES BY VENDOR

	ACTUAL
MELANSON HEATH & COMPANY	2,170.00
PLM ELECTRIC POWER COMPANY	2,230.00
RUBIN AND RUDMAN	58,720.40
UTILTIY SERVICES INC.	3,270.00
CHOATE HALL & STEWART	1,117.20
WILLIAM F. CROWLEY- ATTORNEY	2,477.24
DUNCAN & ALLEN	8,673.61
TOTAL	<u>78,658.45</u>

RMLD
DEFERRED FUEL CASH RESERVE ANALYSIS
9/30/14

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

RMLD
BUDGET VARIANCE REPORT
FOR PERIOD ENDING SEPTEMBER 30, 2014

DIVISION	ACTUAL	BUDGET	VARIANCE	% CHANGE
BUSINESS DIVISION	2,472,060	2,531,391	(59,332)	-2.34%
INTEGRATED RESOURCES AND PLANNING	171,827	349,069	(177,242)	-50.78%
ENGINEERING AND OPERATIONS	1,188,179	1,212,605	(24,426)	-2.01%
FACILITY	1,138,216	1,260,707	(122,491)	-9.72%
GENERAL MANAGER	194,665	216,782	(22,116)	-10.20%
SUB-TOTAL	5,164,947	5,570,554	(405,606)	-7.28%
PURCHASED POWER BASE	7,909,531	7,920,600	(11,069)	-0.14%
PURCHASED POWER FUEL	8,414,520	9,056,605	(642,085)	-7.09%
TOTAL	21,488,998	22,547,759	(1,058,761)	-4.70%

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

November 4, 2014

Town of Reading Municipal Light Board

Subject: S&C SCADA-Mate CX Switch

On October 8, 2014 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle and The Central Register requesting proposals for S&C SCADA-Mate CX Switch for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Power Sales Group	WESCO	Shamrock Power
JF Gray & Associates	MetroWest	Power Tech-UPSC
Hasgo Power Sales	Robinson Sales	EL Flowers & Associates
HD Supply	HD Industrial Services	Genergy
MVA Power, Inc.	Siemens	

Bids were received from WESCO, Graybar Electric Company and Stuart C. Irby.

The bids were publicly opened and read aloud at 11:00 a.m. October 29, 2014 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 General Manager and the staff.

Move that bid 2015-06 for S&C SCADA-Mate CX Switch be awarded to:

Stuart C. Irby for a total cost of \$55,070.00

<u>Item (desc.)</u>	<u>Qty</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
Item 1 - S&C Switch	2	\$27,505.00	\$55,010.00
Option #6 - Compressioni Connectors	2	\$30.00	\$60.00

as the lowest qualified bidder on the recommendation of the General Manager.

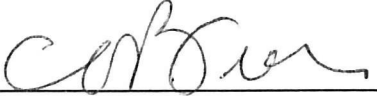
RMLD



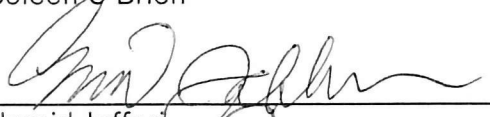
Reading Municipal Light Department
RELIABLE POWER FOR GENERATIONS

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

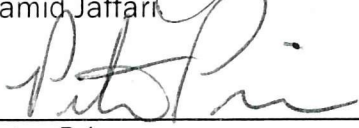
The FY15 Capital Budget allocation for the purchase of these units under the Distribution Protection & Automation project was estimated at \$69,000.



Coleen O'Brien



Hamid Jaffari



Peter Price

S&C SCADA-Mate CX Switch
Bid 2015-06

Bidder	Delivery Date	Unit Cost	Qty	Total Net Cost	Meet Specification requirement	Firm Price	All forms filled out	Certified Check or Bid Bond	Exceptions to stated bid requirements	Authorized signature
Stuart C. Irby Item 1 - S&C Switch Option #6 - Compressioni Connectors	14-18 weeks	\$27,505.00	2	\$55,010.00	yes	yes	yes	yes	yes	yes
		\$30.00	2	\$60.00	Exceptions: "Field service and optional items are extra cost. See attached."					
				\$55,070.00						
WESCO Item 1 Switch Option #6 - Compressioni Connectors	14-16 weeks	\$27,645.00	2	\$55,290.00	yes	yes	yes	yes	no	yes
		\$29.10	2	\$58.20						
				\$55,348.20						
Graybar Electric Company Item 1 Switch Option #6 - Compressioni Connectors	16 weeks	\$27,645.00	2	\$55,290.00	yes	yes	yes	yes	yes	yes
		\$35.00	2	\$70.00	Exceptions: Refers to pages 2 & 3 of S&C's quote.					
				\$55,360.00						

Engineering Note:

All exceptions are acceptable.

230 Ash Street
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Fax: (781) 942-2409
Web: www.rml.d.com

November 4, 2014

Town of Reading Municipal Light Board

Subject: Single Phase Pole Mounted Transformers

On October 8, 2014 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle requesting proposals Single Phase Pole Mounted Transformers for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Power Sales Group	WESCO	Graybar Electric Company
EDI	Yale Electric	Shamrock Power Sales, Inc.
Hughes Supply, Inc.	Ward Transformer Sales	Jordan Transformer
Power Tech-UPSC	Hasgo Power	Robinson Sales
Stuart C. Irby	HD Supply	MVA Power, Inc

Bids were received from WESCO, Power Sales Group, Stuart C. Irby and Graybar Electric Company.

The bids were publicly opened and read aloud at 11:00 a.m. October 29, 2014 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 General Manager and the staff.

Move that bid 2015-08 for Single Phase Pole Mounted Transformers be awarded to:

Power Sales Group for a total cost of \$3,300.00

<u>Item (desc.)</u>		<u>Qty</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
Item 1 (5 Kva)	Howard	6	\$550.00	\$3,300.00

WESCO for a total cost of \$75,880.00

<u>Item (desc.)</u>		<u>Qty</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
Item 2 (37 1/2 Kva)	Cooper Power	40	\$1,204.00	\$48,160.00
Item 3 (50 Kva)	Cooper Power	20	\$1,386.00	\$27,720.00

as the lowest qualified bidder on the recommendation of the General Manager.

RMLD



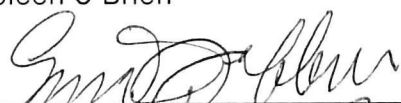
Reading Municipal Light Department
RELIABLE POWER FOR GENERATIONS

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

The FY15 Capital Budget allocation for the purchase of these units under the Transformer project was estimated at \$84,000 for 60 units. This quantity will bring the RMLD inventory back up to the necessary level. The total for this bid is \$79,180.



Coleen O'Brien



Hamid Jaffari



Peter Price

Single Phase Pole Mounted Transformers

Bid 2015-08

Bidder	Manufacturer	Delivery Date	Unit Cost	Qty	Total Net Cost	Meet Specification requirement	Specification Data Sheets	Firm Price	All forms filled out	Certified Check or Bid Bond	Exceptions to stated bid requirements	Authorized signature
WESCO												
Item 1 (5 Kva)	Cooper Power	16 weeks ARO	\$631.00	6	\$3,786.00	yes	yes	yes	yes	yes	no	yes
Item 2 (37 1/2 Kva)	Cooper Power	16 weeks ARO	\$1,204.00	40	\$48,160.00							
Item 3 (50 Kva)	Cooper Power	16 weeks ARO	\$1,386.00	20	\$27,720.00							
					\$79,666.00							
Power Sales												
Item 1 (5 Kva)	Howard	16 weeks ARO	\$550.00	6	\$3,300.00	yes	yes	yes	yes	yes	no	yes
Item 2 (37 1/2 Kva)	Howard	16 weeks ARO	\$1,388.00	40	\$55,520.00							
Item 3 (50 Kva)	Howard	16 weeks ARO	\$1,771.00	20	\$35,420.00							
					\$94,240.00							
Stuart C. Irby												
Item 1 (5 Kva)	Central Maloney	16 weeks ARO	\$760.00	6	\$4,560.00	yes	no	yes	yes	yes	no	yes
Item 2 (37 1/2 Kva)	Central Maloney	16 weeks ARO	\$1,429.00	40	\$57,160.00							
Item 3 (50 Kva)	Central Maloney	16 weeks ARO	\$1,627.00	20	\$32,540.00							
					\$94,260.00							
Graybar Electric	Non-Responsive											
Item 1 (5 Kva)												
Item 2 (37 1/2 Kva)												
Item 3 (50 Kva)												

Non responsive bidders:

Graybar Electric

Disqualification based on more than one bid for the same work from an individual, firm, partnership or corporation.

230 Ash Street
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Reading, MA 01867-0250Tel: (781) 944-1340
Fax: (781) 942-2409
Web: www.rml.com

November 4, 2014

Town of Reading Municipal Light Board

Subject: Three Phase Pole Mounted Transformers

On October 8, 2014 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle requesting proposals Three Phase Pole Mounted Transformers for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Power Sales Group
EDI
Hughes Supply, Inc.
Power Tech-UPSC
Stuart C. IrbyWESCO
Yale Electric
Ward Transformer Sales
Hasgo Power
HD SupplyGraybar Electric Company
Shamrock Power Sales, Inc.
Jordan Transformer
Robinson Sales
MVA Power, Inc

Bids were received from WESCO and Power Sales Group.

The bids were publicly opened and read aloud at 11:00 am October 29, 2014 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 General Manager and the staff.

Move that bid 2015-09 for Three Phase Pole Mounted Transformers be awarded to:

WESCO for a total cost of \$79,096.00

<u>Item (desc.)</u>	<u>Qty</u>	<u>Manufacturer</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
1 (45 kVa 13800 Δ 277/480)	1	Power Partners	\$3,575.00	\$3,575.00
2 (75 kVa 13800 Δ 277/480)	1	Power Partners	\$4,189.00	\$4,189.00
3 (112 kVa 13800 Δ 120/208)	6	Power Partners	\$4,870.00	\$29,220.00
4 (150 kVa 13800 Δ 120/208)	6	Power Partners	\$6,136.00	\$36,816.00
5 (150 kVa 13800 Δ 277/480)	1	Power Partners	\$5,296.00	\$5,296.00

as the lowest qualified bidder on the recommendation of the General Manager.

RMLD



Reading Municipal Light Department
RELIABLE POWER FOR GENERATIONS

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

The FY15 Capital Budget allocation for the purchase of these units under the Transformer project was estimated at \$60,000 for 10 units. This quantity was intended for commercial projects and to bring the RMLD inventory back up to the necessary level. The Department will actually need 15 units to bring the inventory up to the necessary level, at a cost of \$79,096.

Coleen O'Brien

Hamid Jaffari

Peter Price

Three Phase Pole Mounted Transformers
Bid 2015-09

Bidder	Manufacturer	Delivery Date	Unit Cost	Qty	Total Net Cost	Meet Specification requirement	Specification Data Sheets	Firm Price	All forms filled out	Certified Check or Bid Bond	Exceptions to stated bid requirements	Authorized signature
WESCO												
Item 1 (45 kVa 13800 Delta 277/480)	Power Partners	10 weeks ARO	\$3,575.00	1	\$3,575.00	yes	yes	yes	yes	yes	yes	yes
Item 2 (75 kVa 13800 Delta 277/480)	Power Partners	10 weeks ARO	\$4,189.00	1	\$4,189.00	Exceptions as stated: Nameplates: Our nameplate is engraved as follows: 'Filled with mineral oil that contained less than 1 ppm PCB at time of manufacture.'						
Item 3 (112 kVa 13800 Delta 120/208)	Power Partners	10 weeks ARO	\$4,870.00	6	\$29,220.00							
Item 4 (150 kVa 13800 Delta 120/208)	Power Partners	10 weeks ARO	\$6,136.00	6	\$36,816.00							
Item 5 (150 kVa 13800 Delta 277/480)	Power Partners	10 weeks ARO	\$5,296.00	1	\$5,296.00							
					<u>\$79,096.00</u>						This exception is acceptable.	
Stuart C. Irby												
Item 1 (45 kVa 13800 Delta 277/480)	CG Power	12-14 weeks ARO	\$4,960.00	1	\$4,960.00	yes	yes	yes	yes	yes	no	yes
Item 2 (75 kVa 13800 Delta 277/480)	CG Power	12-14 weeks ARO	\$5,345.00	1	\$5,345.00							
Item 3 (112 kVa 13800 Delta 120/208)	CG Power	12-14 weeks ARO	\$5,577.00	6	\$33,462.00							
Item 4 (150 kVa 13800 Delta 120/208)	CG Power	12-14 weeks ARO	\$6,110.00	6	\$36,660.00							
Item 5 (150 kVa 13800 Delta 277/480)	CG Power	12-14 weeks ARO	\$5,995.00	1	\$5,995.00							
					<u>\$86,422.00</u>							
Power Sales												
Silicon Steel SJ6215												
Item 1 (45 kVa 13800 Delta 277/480)	Howard	12-14 weeks ARO	\$3,770.00	1	\$3,770.00	yes	yes	yes	yes	yes	no	yes
Item 2 (75 kVa 13800 Delta 277/480)	Howard	12-14 weeks ARO	\$4,914.00	1	\$4,914.00							
Item 3 (112 kVa 13800 Delta 120/208)	Howard	12-14 weeks ARO	\$5,826.00	6	\$34,956.00							
Item 4 (150 kVa 13800 Delta 120/208)	Howard	12-14 weeks ARO	\$7,760.00	6	\$46,560.00							
Item 5 (150 kVa 13800 Delta 277/480)	Howard	12-14 weeks ARO	\$7,333.00	1	\$7,333.00							
					<u>\$97,533.00</u>							
Power Sales												
Amorphous SJ6216												
Item 1 (45 kVa 13800 Delta 277/480)	Howard	10 weeks ARO	\$5,172.00	1	\$5,172.00	yes	yes	yes	yes	yes	no	yes
Item 2 (75 kVa 13800 Delta 277/480)	Howard	10 weeks ARO	\$5,532.00	1	\$5,532.00							
Item 3 (112 kVa 13800 Delta 120/208)	Howard	10 weeks ARO	\$6,816.00	6	\$40,896.00							
Item 4 (150 kVa 13800 Delta 120/208)	Howard	10 weeks ARO	\$8,542.00	6	\$51,252.00							
Item 5 (150 kVa 13800 Delta 277/480)	Howard	10 weeks ARO	\$8,158.00	1	\$8,158.00							
					<u>\$111,010.00</u>							

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November 4, 2014

Town of Reading Municipal Light Board

Subject: 750 MCM Cable

On October 15, 2014 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle and on October 13, 2014 in the Commonwealth of Massachusetts' Good and Services Bulletin requesting proposals for the 750 MCM Cable for the Reading Municipal Light Department.

Specifications were emailed to the following:

The Okonite Company	WESCO	Yale Electrical Supply	Graybar Electric Company
Arthur J. Hurley Company	Hasgo Power	Pirelli Cables & Systems	Shamrock Power Sales Inc.
Power Sales Group	HD Supply, Inc.	Hendrix Wire & Cable Corp	Champion Wire & Cable
Anixter Wire & Cable	Yusen Assoc	E.L. Flowers	General Cable
USA Power Cable	Eupen Cable	Power & Tel. Enterprise	Stuart C. Irby

Bids were received from Stuart C. Irby, Arthur J. Hurley Company, Yale Electric East, LLC, The Okonite Company and WESCO.

The bids were publicly opened and read aloud at 11:00 a.m. November 3, 2014 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 General Manager and the staff.

Move that bid 2015-11 for 750 MCM cable be awarded to: **Arthur J. Hurley Company, Inc. for a total cost of \$139,590.00**

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Total Cost</u>
1	9,900'	750 MCM CU 15 kV concentric neutral power cable	\$139,590.00

as the lowest qualified bidder on the recommendation of the General Manager.

This purchase is to replenish inventory that was used for two cable faults on circuits 3W14 and 3W6.

Coleen O'Brien

Hamid Jaffari

Peter Price

**750 MCM Cable
Bid 2015-11**

Bidder	Manufacturer	Delivery Date	Total Cost	Firm Price	All forms filled out	Certified Check or Bid Bond
Arthur J. Hurley Company, Inc. Item 1 - 9,900' 750 MCM CU, concentric neutral power cable	Okonite	8 weeks ARO	139,590.00	yes	yes	yes
WESCO Item 1 - 9,900' 750 MCM CU, concentric neutral power cable	General Cable	11 weeks ARO	144,856.80	yes	yes	yes
Okonite Item 1 - 9,900' 750 MCM CU, concentric neutral power cable	Okonite	8 weeks ARO	148,282.20	yes	yes	yes
Stuart C Irby Item 1 - 9,900' 750 MCM CU, concentric neutral power cable	Prysmian	12-16 weeks ARO	149,210.00	no	yes	yes
Yale Electric East LLC Item 1 - 9,900' 750 MCM CU, concentric neutral power cable	General Cable	10 weeks ARO	172,636.00	yes	yes	yes

Jeanne Foti

From: Jeanne Foti
Sent: Thursday, November 13, 2014 7:50 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

September 26, October 3, October 10, October 17, October 24, October 31 and November 7.

Payroll – No Questions

October 6, October 20 and November 3.

This e-mail will be printed for the Board Book for the RMLD Board meeting on November 21, 2014.

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.

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

July-14

	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
READING MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$111.17	\$196.32	\$137.51	\$988.22	\$187.87	\$4,620.25	\$764,765.99
PER KWH CHARGE	\$0.14823	\$0.13088	\$0.13751	\$0.13537	\$0.17395	\$0.13201	\$0.11116
NATIONAL GRID							
TOTAL BILL	\$120.78	\$239.71	\$161.03	\$1,196.29	\$171.61	\$5,331.37	\$902,817.58
PER KWH CHARGE	\$0.16104	\$0.15981	\$0.16103	\$0.16388	\$0.15890	\$0.15232	\$0.13123
% DIFFERENCE	8.64%	22.10%	17.10%	21.05%	-8.65%	15.39%	18.05%
NSTAR COMPANY							
TOTAL BILL	\$144.10	\$284.76	\$189.99	\$1,446.04	\$200.39	\$8,627.02	\$992,826.05
PER KWH CHARGE	\$0.19213	\$0.18984	\$0.18999	\$0.19809	\$0.24649	\$0.24649	\$0.14431
% DIFFERENCE	29.62%	45.04%	38.16%	46.33%	6.67%	86.72%	29.82%
PEABODY MUNICIPAL LIGHT PLANT							
TOTAL BILL	\$91.27	\$176.77	\$119.77	\$993.12	\$148.85	\$4,904.88	\$677,880.87
PER KWH CHARGE	\$0.12170	\$0.11784	\$0.11977	\$0.13604	\$0.13783	\$0.14014	\$0.09853
% DIFFERENCE	-17.90%	-9.96%	-12.90%	0.50%	-20.77%	6.16%	-11.36%
MIDDLETON MUNICIPAL LIGHT DEPT.							
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	-10.26%	1.05%	-3.54%	-2.91%	-10.34%	3.09%	5.54%
WAKEFIELD MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$119.24	\$220.92	\$149.38	\$1,129.79	\$180.88	\$5,298.08	\$887,163.30
PER KWH CHARGE	\$0.15898	\$0.14728	\$0.14938	\$0.15477	\$0.16749	\$0.15137	\$0.12896
% DIFFERENCE	7.25%	12.53%	8.63%	14.33%	-3.72%	14.67%	16.00%

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

August-14

	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 35,000 kWh's 130.5 kW Demand	INDUSTRIAL - TOU 109,500 kWh's 250,000 kW Demand 80/20 Split
READING MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$107.23	\$188.43	\$132.25	\$951.72	\$182.47	\$4,445.25	\$764,765.99
PER KWH CHARGE	\$0.14297	\$0.12562	\$0.13225	\$0.13037	\$0.16895	\$0.12701	\$0.11116
NATIONAL GRID							
TOTAL BILL	\$120.78	\$239.71	\$161.03	\$1,196.29	\$171.61	\$5,331.37	\$902,817.58
PER KWH CHARGE	\$0.16104	\$0.15981	\$0.16103	\$0.16388	\$0.15890	\$0.15232	\$0.13123
% DIFFERENCE	12.64%	27.21%	21.76%	25.70%	5.95%	19.93%	18.05%
NSTAR COMPANY							
TOTAL BILL	\$144.10	\$284.76	\$189.99	\$1,446.04	\$200.39	\$8,627.02	\$992,826.05
PER KWH CHARGE	\$0.19213	\$0.18984	\$0.18999	\$0.19809	\$0.18555	\$0.24649	\$0.14431
% DIFFERENCE	34.39%	51.12%	43.65%	51.94%	9.83%	94.07%	29.82%
PEABODY MUNICIPAL LIGHT PLANT							
TOTAL BILL	\$91.27	\$176.77	\$119.77	\$993.12	\$148.85	\$4,904.88	\$677,880.87
PER KWH CHARGE	\$0.12170	\$0.11784	\$0.11977	\$0.13604	\$0.13783	\$0.14014	\$0.09853
% DIFFERENCE	-14.88%	-6.19%	-9.44%	4.35%	-18.42%	10.34%	-11.36%
MIDDLETON MUNICIPAL LIGHT DEPT.							
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	-6.95%	5.28%	0.29%	0.82%	-7.69%	7.15%	5.54%
WAKEFIELD MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$119.24	\$220.92	\$149.38	\$1,129.79	\$180.88	\$5,298.08	\$887,163.30
PER KWH CHARGE	\$0.15898	\$0.14728	\$0.14938	\$0.15477	\$0.16749	\$0.15137	\$0.12896
% DIFFERENCE	11.20%	17.24%	12.95%	18.71%	-0.87%	19.19%	16.00%

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

September-14

	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
READING MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$98.61	\$171.20	\$120.76	\$878.72	\$171.67	\$4,095.25	\$764,765.99
PER KWH CHARGE	\$0.13148	\$0.11413	\$0.12076	\$0.12037	\$0.15895	\$0.11701	\$0.11116
NATIONAL GRID							
TOTAL BILL	\$120.78	\$239.71	\$161.03	\$1,196.29	\$171.61	\$5,331.37	\$902,817.58
PER KWH CHARGE	\$0.16104	\$0.15981	\$0.16103	\$0.16388	\$0.15890	\$0.15232	\$0.13123
% DIFFERENCE	22.48%	40.02%	33.34%	36.14%	-0.03%	30.18%	18.05%
NSTAR COMPANY							
TOTAL BILL	\$144.10	\$284.76	\$189.99	\$1,446.04	\$200.39	\$8,627.02	\$992,826.05
PER KWH CHARGE	\$0.19213	\$0.18984	\$0.18999	\$0.19809	\$0.18555	\$0.24649	\$0.14431
% DIFFERENCE	46.13%	66.33%	57.32%	64.56%	16.74%	110.66%	29.82%
PEABODY MUNICIPAL LIGHT PLANT							
TOTAL BILL	\$91.27	\$176.77	\$119.77	\$993.12	\$148.85	\$4,904.88	\$677,880.87
PER KWH CHARGE	\$0.12170	\$0.11784	\$0.11977	\$0.13604	\$0.13783	\$0.14014	\$0.09853
% DIFFERENCE	-7.44%	3.25%	-0.82%	13.02%	-13.29%	19.77%	-11.36%
MIDDLETON MUNICIPAL LIGHT DEPT.							
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	1.18%	15.88%	9.84%	9.19%	-1.88%	16.30%	5.54%
WAKEFIELD MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$119.24	\$220.92	\$149.38	\$1,129.79	\$180.88	\$5,298.08	\$887,163.30
PER KWH CHARGE	\$0.15898	\$0.14728	\$0.14938	\$0.15477	\$0.16749	\$0.15137	\$0.12896
% DIFFERENCE	20.92%	29.04%	23.70%	28.57%	5.37%	29.37%	16.00%

