

**Reading Municipal Light Board of Commissioners**  
**Regular Session**  
**230 Ash Street**  
**Reading, MA 01867**  
**June 25, 2015**

**Start Time of Regular Session:** 7:31 p.m.  
**End Time of Regular Session:** 9:43 p.m.

**Commissioners:**

|                                    |   |
|------------------------------------|---|
| <b>Thomas O'Rourke, Chairman</b>   | <b>David Talbot, Vice Chairman, Secretary Pro Tem</b> |
| <b>Dave Hennessy, Commissioner</b> | <b>Philip B. Pacino, Commissioner</b>                 |
| <b>John Stempeck, Commissioner</b> |   |

**Staff:**

|  |   |
|--|---|
| <b>Coleen O'Brien, General Manager</b>         | <b>Bob Fournier, Accounting/Business Manager</b>        |
| <b>Hamid Jaffari, Director of E&amp;O</b>      | <b>Jane Parenteau, Director of Integrated Resources</b> |
| <b>Patricia Mellino, Operational Assistant</b> |   |

**Citizens' Advisory Board:**

**David Mancuso**

**Public:**

**None Present**

**Call Meeting to Order**

Chairman O'Rourke called the meeting to order and stated that the meeting was being videotaped, it is live in Reading only.

**Opening Remarks**

Chairman O'Rourke read the RMLD Board of Commissioners Code of Conduct.

**Introductions**

Chairman O'Rourke welcomed David Mancuso Citizens' Advisory Board (CAB) member.

Commissioner Talbot will be the secretary this evening.

**Report of the Chairman**

**Report on Public Forum sponsored by the Town of Reading – Coleen O'Brien**

Ms. O'Brien reported that she had participated in the second meeting with the Metropolitan Area Planning Council (MAPC) on the Public Forum for the Economic Development Action Plan, there was one prior that she was not aware of. The meeting consisted of various stations where architects showed potential conceptual drawings of this area.

Ms. O'Brien said that when she had received the invitation, the 230 Ash Street complex was not within the parameter of the study area but when she arrived at the meeting it was. Ms. O'Brien stated that she had spoken with one of the architects where the conceptual water colored drawing showed RMLD over to the far right side of the drawing, the current RMLD site displayed housing/apartment units, commercial use and a park in the rear. The architect said that while the analysis had shown this area was good for housing because of the close proximity to the train, at the first meeting it was said that this area was good for commercial and this was more of a concept of a mixed use.

Ms. O'Brien reported that Mr. Ollila from RMLD and Mr. Barbas were also in attendance. Ms. O'Brien asked the architect if he was aware that the RMLD rented a large portion of the warehouse out back, and stated that there are over fifty-one company vehicles and seventy employees. When you look at the physical area in question the RMLD almost takes up half.

Mr. Talbot asked if there was an actual rezoning proposal that Ms. O'Brien was aware of. Chairman O'Rourke replied that the town is engaged with the Metropolitan Area Planning Council to create an Economic Development Plan. Ms. O'Brien said that there were more questions than answers and that all nine owners of this area were invited to speak.

### **Report of the Chairman**

#### **Report on Public Forum sponsored by the Town of Reading – Coleen O'Brien**

Ms. O'Brien said that the next step for the RMLD will be to try and arrange a sit down with Jean Delios, Bob LeLacheur, Tom Ollila, and Jane Parenteau before the next meeting which is in September and before the next town department head meeting that she will be hosting on July 9. Ms. O'Brien stated that she would share the information from those meetings with the Board. Chairman O'Rourke asked what the date of the September meeting. Ms. O'Brien replied that she would forward the date to the Board.

Ms. O'Brien summarized the meeting as being more of a discussion type meeting as she wanted the architects to be aware of the physical space that the RMLD uses for its daily operations, especially when you have to consider the radius turns for the large deliveries made by tractor trailer trucks as well as other factors that have to do with the operations of the Department. Ms. O'Brien said that she is glad to sit with the town to talk about where the RMLD would be located in the conceptual designs for this complex. Ms. O'Brien stated that in addition to that we are still actively looking to fill the Facilities Manager's position, who will be preparing the Facility Study for best use of this building, Station 1, and the garage, hopefully to consolidate and be greener. Ms. O'Brien said that at this point until we find out the state of Station 1, if there are any hazards it is hard to tell. Ms. O'Brien stated that some of the assumptions that will go into the study will include appraisals of this building, the Barbas area as well as the parking lots.

Chairman O'Rourke asked if there was any feedback. Mr. Stempeck replied that the town should take into consideration activities such as loading and unloading trucks that would certainly impact the residential buildings that they want to put up and said that he could not imagine that would be very interesting to a lot of people. Mr. Stempeck stated that given that the RMLD is producing significant revenue for all four communities that we need to make sure that they are all aware that the RMLD has these needs for their asset.

Chairman O'Rourke stated that a couple of actions items for Ms. O'Brien are to let the Board know when the next Economic Development Action Plan meeting is and asked if it is open to the public. Ms. O'Brien replied that she could not speak to that but did receive an invitation and was not sure if it was just the owners. Ms. O'Brien said that she would get back to the Board on that.

Mr. Talbot asked what the next meeting was about. Chairman O'Rourke replied that it is a follow up to the June 13 meeting. Mr. Talbot asked why that would not be open to the public. Mr. Pacino replied that per the Open Meeting Law it should be open to the public. Chairman O'Rourke asked Ms. O'Brien to get back to the Board on the date of the next meeting and if open to the public if the members would be interested in attending. Ms. O'Brien stated that she would report back to the Board in email as soon as she meets with Bob LeLacheur and Jean Delios.

Mr. Pacino stated that the next step would be to meet and talk with the town. Ms. O'Brien said that she had met with Bob and Jean and that she had told them that the RMLD was going to perform a Master Facilities Plan for best usage and that we wanted to be more efficient. Ms. O'Brien stated that not to be misunderstood that we were not vacating this building but we are studying all options.

### **Report of the Chairman**

#### **Update on RMLD Citizens' Advisory Board Meeting – Commissioner Pacino**

Chairman O'Rourke stated that a member of the RMLD Commissioners attend the CAB meetings as they do for us and thought that good practice going forward would be to have the commissioner in attendance report back on any information appropriate or valuable.

Mr. Pacino reported that he had attended the June 17, 2015 CAB meeting. At this meeting the CAB did vote to approve the rate changes and there was a very interesting discussion about economic development that was originally raised by Mr. Mancuso. Mr. Pacino said that it would be to help the towns to foster economic development within the towns which could potentially lead to more revenue for the RMLD which may lead to less rate increases going forward as to potentially each year maybe a one or two percent increase, if there is more growth then we would not need one. Mr. Pacino stated that Ms. O'Brien was going to be in touch with the towns with a letter to let them know that the RMLD can help them in this area. Mr. Pacino said that he is not sure exactly how the RMLD can help with economic development and that the RMLD could not be the forefront.

Mr. Mancuso said that the idea is to address the communication issue with the towns, by looking to generate more revenue as they realize that there is less state funding. In Reading he has heard folks refer to how critical that is and that the initial thought is what we do to sell electricity is that we can help the towns understand what an asset RMLD is and help them inspire how they sell RMLD as an asset. Whatever the economic development plans are help them to steer the development plans to empower them to be able to do a better job in saying "Why do you want to be in our territory" and maybe provide some guidance maybe about where would be a good place to put a server farm based on the network. This is really just trying to figure out how to have that conversation.

Mr. Pacino asked if this is something that should have on the agenda on a regular basis, the Board was in agreement. Ms. O'Brien asked if the Board would like to review the letter that she is going to send to the Town Managers. Ms. O'Brien said that she would send the letter to the Board for review and comment, all comments should be sent back to Jeanne Foti.



### **Report of the Chairman**

#### **Update on RMLD Citizens' Advisory Board Meeting – Commissioner Pacino**

Ms. O'Brien stated that the intent of the letter is not to steer their economic development but to reiterate the benefit of the RMLD, what it has to offer to the towns, services, programs that are offered and to keep in mind as they work with their economic development that this is quite a benefit that only certain towns get to realize. Ms. O'Brien said that she would also include that there has not been a new municipal since about 1930. Chairman O'Rourke asked Ms. O'Brien to send the letter with a response time where it needs to be back.

### **Report of the Committee – Commissioner Pacino**

#### **RMLD's Travel (Overnight/Day Travel) Policy 5, Revision 8**

Mr. Pacino reported that the Policy Committee met this past Tuesday to discuss the Travel Policy, Revision 8. Mr. Pacino stated that the committee extensively discussed the policy and changes with a recommendation for the Board to adopt and accept the policy with the changes. Chairman O'Rourke stated that this policy mirrors a policy that you might find in the private sector, overall it is consistent and with the few tweaks it is a good policy.

Mr. Pacino made a motion seconded by Mr. Stempeck that based on the recommendation of the RMLD Board of Commissioners Policy Committee that the RMLD Board of Commissioners approve the RMLD's Travel (Overnight/Day Travel) Policy 5, Revision 8 be adopted as presented.

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

#### **Approval of the Board Minutes November 21, 2014 and December 18, 2014**

Mr. Pacino made a motion seconded by Mr. Stempeck that the RMLD Board of Commissioners approve the Regular Session meeting minutes of November 21, 2014 and December 18, 2014 as presented.

**Motion carried 5:0:0. Mr. Hennessy was not a commissioned member at that time.**

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

Ms. O'Brien reported that both the Reliability and Organizational Studies went well when presented at the CAB meeting. Ms. O'Brien stated that both Mr. Mancuso and Mr. Chrisos had suggested to take all of the recommendations from both reports and put together a slide presentation to show what the RMLD is going to do and not going to do with an explanatory narrative. Ms. O'Brien said that updates will be given as we move along and continue. Ms. O'Brien reported that the update will be given in September.

Chairman O'Rourke stated that the Board was given both presentations, the Organizational Study had an executive summary but not the Reliability Study. Chairman O'Rourke asked if that was something that was available. Ms. O'Brien replied that they will take the recommendations from the report, put them on chart and update the members. Ms. O'Brien noted that the emergency immediate safety electrical recommendations have already been taken care of and addressed.

Ms. O'Brien reported that Leidos is supporting the RMLD with the completion of the Career Development Plans for each of the employees as well as salary evaluations and updated job descriptions. There are over seventy employees, a good chunk has already been completed, but like the policies there is a lot to do. Leidos is going to come in with training on leadership skills assessment and the last piece is creating the Strategic Plan. Mr. Talbot asked if Leidos was delivering the Leadership Training or do they outsource it. Ms. O'Brien replied that they subcontract someone who does an independent review and they blend with the outcome of that. They have a company that specializes in Leadership Skills Assessment and the outcome of it will go back into the recommendations of what we may need for further training.

Ms. O'Brien stated that they are helping to coordinate by providing the management training to make this process go through so that we can get to the Strategic Plan. Based out of these Leadership Committees that are put together it will be the employees who will create the Strategic Plan. Chairman O'Rourke said that if there is any assistance that is appropriate from the Board in terms of how you interface with Leidos or any calibration they would be happy to do so. Chairman O'Rourke asked if his assumption is that based on the current organization that any organizational design changes would probably not happen this fiscal year. Ms. O'Brien replied that they are still vetting the organizational charts where some ideas make sense and are moving in that direction while this plan was written in a twenty year time plan and based on succession planning there are some things that make sense right away, others five or ten years or when people retire. This is what they are trying to put together in a more realistic schedule when working around all the unions and who you physically have here. Ms. O'Brien stated that the objective is to have a certain amount of jobs in a utility that have to be done and people have to be trained to do those jobs. We just to make sure that people are placed most efficiently and have the skillsets to do their job accurately and safely.

Chairman O'Rourke asked if there were any questions, there were none.

**Power Supply Report – May 2015 – Ms. Parenteau**

**Approval of RMLD rates to be filed effective July 1, 2015**

Ms. Parenteau reported as discussed in May when reviewing the operating budget that there was extensive discussion on the current eight month actual four months budgeted revenues, with base revenues of \$21.4M increasing to \$23M for FY2016. Ms. Parenteau stated that in order to achieve that increase the RMLD can either increase the kilowatt hour sales which is equivalent to load growth or increase the current rates. RMLD's load (sales) over the past 10 years has been flat to declining. As discussed during the review of the operating budget, RMLD assumed a 1% decrease in sales. In order to achieve that \$23M in base revenue, a base rate increase is necessary. Ms. Parenteau stated that depending on rate class and usage, the average increase for customers is between two to four percent. The average residential customer who uses 750 kilowatt hours per month would see a 3.3% increase, a commercial or large industrial time-of-use customer would see an increase of about 2.07%. It fluctuates based on the demand they use and total kilowatt hours per month and the on the residential side it is basically their kilowatt hours. Ms. Parenteau apologized that this should have been tied to the budget where it was part and parcel of the decision in approving the operating budget. Ms. Parenteau assured that going forward when the budgets are put together for both the CAB and Board of Commissioners if any base rate increase is necessary this portion of it will be tied to the operating budget. This will be a cleaner process that will allow more time to advertise for our constituents of the increase. Ms. Parenteau stated that these rate increases would be effective July 1, 2015.

| RATE                                | TARIFF #  |
|-------------------------------------|-----------|
| Residential Schedule A              | MDPU #250 |
| Residential Schedule RW             | MDPU #251 |
| Residential Time-of-Use Schedule A2 | MDPU #252 |
| Commercial Schedule C               | MDPU #253 |
| Industrial Time-of-Use Schedule I   | MDPU #254 |
| School Schedule SCH                 | MDPU #255 |
| Private Lighting Schedule D         | MDPU #256 |
| Municipal LED Street Lighting       | MDPU #257 |
| Cooperative Resale Schedule G       | MDPU #258 |

Mr. Pacino made a motion seconded by Mr. Hennessy that the Reading Municipal Light Department Board of Commissioners approve the rates MDPU numbers #250, 251, 252, 253, 254, 255, 256, 257, 258 dated to be effective July 1, 2015 on the recommendation of the General Manager and RMLD's Citizens' Advisory Board.

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

Chairman O'Rourke noted that this was presented to the Citizens' Advisory Board on June 17.

Mr. Talbot asked that they study next year why they should or shouldn't make the Time-of-Use Program opt out instead of opt in. Make the rate being dependent on when the costs are actually being incurred by the Department. Mr. Talbot stated that if people do not want the Time-of-Use they could opt out, the customer will be told with lots of warning that they do not have to take it but it would make it so much easier if time-of-use was just the default rate. Ms. Parenteau asked if this would apply to only new customers. Mr. Talbot replied no, stating that we are all facing a tsunami of peak costs, we have been hearing this for months/years. Why not just take a bold step next year obviously not now, we have a whole year to think about this.

Mr. Hennessy asked if everyone would have to pay that rate. Mr. Talbot replied that everyone would get a cheaper rate from seven to noon and pay the higher rate from noon to seven and opt out if they choose not to take it. The customer would have to take the appropriate step to not get the Time-of-Use. Mr. Talbot said that other utilities around the world do this where the rate is different depending on the time of day by default. Ms. Parenteau stated from an administrative point of view the RMLD would need to generate service orders for 25,000 customers and change 25,000 meters because the Time-of-Use meters are different than the residential meters. Ms. Parenteau reported that it is not as simple as clicking a button and changing the rate.

Mr. Talbot said that it could be implemented over a period of years. Mr. Talbot stated that if we want people to do it, and it is economical for the Department, why are we not just doing this.

Ms. O'Brien asked if Mr. Talbot was aware of what Braintree is doing with their Time-of-Use for commercial. Ms. Parenteau said that this has to be studied, Braintree is now changing their commercial rate so that they are charging their customers the demand charge coincident with the system peak. Ms. Parenteau stated that in theory one would think that would be great however, the RMLD has a lot of customers who may not coincide with our system peak in terms of the demand and this could reduce the revenue that we may receive from those customers.



**Power Supply Report – May 2015 – Ms. Parenteau**

**Approval of RMLD rates to be filed effective July 1, 2015**

RMLD records the highest demand in any thirty day period which includes any fifteen minute increment, Ms. Parenteau stated that it was her belief that it could be an actual loss of revenue for the RMLD, but without analyzing the data she would be very reluctant to impose that on our service system for our customers.

Mr. Stempeck stated that it would be good to look at the data and analyze it then suggested to table the subject until it could be looked at further. Mr. Talbot said that this was not a motion just a discussion on the rates, a whole year to chew on this and think why would we not do this.

Chairman O'Rourke asked if this was something that the Department could study and look at over some reasonable time. Ms. Parenteau replied that right now we can get hourly data from the current meters, we would have to be able to analyze that data. Chairman O'Rourke said that before getting into super number crunching maybe it's an in-house discussion over what are the advantages and disadvantages and to get an update at the September meeting.

Ms. O'Brien asked Ms. Parenteau what some reasons might be that the residential customers would not sign up for this. Ms. Parenteau replied, life style changes, some people do not want to be told when they can or can't do their laundry. Mr. Talbot stated then they can opt out. Mr. Stempeck stated that there is an asset that the Department would have to buy which is new meters and install them which is a service cost, we would have this differential. Mr. Talbot stated that they would pay it back two dollars a month, when you have the Time-of-Use rate you pay an extra couple dollars a month. Ms. Parenteau said that currently when customers sign up for the Time-of-Use they have to stay on the rate for a year to try and control some of the administration costs. Ms. Parenteau stated that they will come up with some thoughts as suggested and report back to the Board at the September meeting. Chairman O'Rourke asked to also have some background to understand what it means Time-of-Use, the implications and how we deal with our customers today.

Chairman O'Rourke asked if there was any other discussion, there was none.

**Power Supply Report – May 2015 – Ms. Parenteau**

Ms. Parenteau reported on three slides one of which showed how the May 25 market statistics looks at the day ahead versus real time average cost for the month by day. There was a slight spike on May 10 which happened to be Mother's Day at hour 21 which was around 9 p.m. real time prices increased to \$1,000 per megawatt hour. Ms. Parenteau said that it was most likely the result of an import constraint as it was only for that one hour and then it dropped significantly after that.

Ms. Parenteau stated that day ahead cleared around \$25 per megawatt hour or 2.5 cents and real time cleared at \$27, they were relatively low. May is a shoulder month where there is not a lot of hot weather and prices were relatively low for the month. The day ahead market prices for years 2013 through 2015 show that the 2015 prices were significantly lower than the prior two years. Ms. Parenteau said that this most likely had a lot to do with the price of natural gas and that it is extremely low right now.

The final graph showed the resources by mix and percentage, stating it is pretty typical that in May on the ISO market interchange the average of \$27 where the RMLD purchased about 14% of our power supply from that resource. The Millstone and Seabrook units were online and noted that Seabrook is scheduled for refueling in the fall. Ms. Parenteau said that RMLD's energy costs are referenced in the entire portfolio which looks at March through May the March costs were a little over five cents where May is just under four cents. This helps to keep the fuel charge low to the customers which represents half of the power supply costs.

Mr. Stempeck asked about the gas being used for residential heating. Ms. Parenteau replied January through February New England is at the end of the pipeline and that the ISO is working on restructuring to increase that capacity to alleviate some of those prices, but someone is going to have to pay for that capacity if they do that.

**Engineering & Operations Report – May 2015 – Mr. Jaffari**

Mr. Jaffari stated that they are making steady progress on the Capital Improvements including Construction Projects, New Customer Service Connections and Special Projects/Capital Purchases.

Mr. Jaffari reported that Construction Project 102 – Pole Line Upgrade – Lowell Street, Wilmington – 70% complete, Project 104 – Upgrading Old Lynnfield Center URDs (Cook's Farm) – 50% complete, Project 212 – 4W5 – West Street – Force Account, Reading – 55% complete.

Mr. Jaffari reported that new Customer Service Connections for the month of May including the new Customer Service installations for Residential Customers and new or upgraded overhead and underground services is on-going.

### **Engineering & Operations Report – May 2015 – Mr. Jaffari**

With regards to the routine maintenance program: Mr. Jaffari reported on the Aged/Overloaded Transformer Replacement Program Padmount Single-Phase replacement – 13% complete and Padmount Three-Phase replacement – 8% complete, Overhead Single-Phase replacement – 10% complete and Overhead Three-Phase replacement – 3.3% complete.

Pole Testing System-wide 645 poles were tested system-wide for FY15, 390 passed, 233 failed of which 83 have been replaced, 22 condemned of which all 22 were replaced. Mr. Jaffari reported that the failed poles were retested to prioritize them for the replacement process. Mr. Jaffari reported that 46 of the 105 poles that were replaced transfers have been completed.

Mr. Jaffari stated that upon inspection of the eighteen overhead feeders, a number of tree branches and vines were found on the lines and removed. Manhole inspections are pending, but there has been progress at Cook's Farm underground construction project. The Porcelain Cutout Replacement (with Polymer) Program; as of May 31, 2015 – 90% complete, there are 284 remaining porcelain cutouts to be replaced.

Mr. Jaffari reported that the Infrared Scanning of the substations for the month of May found no problems. There was also infrared scanning at River Park, Analog Devices and the Ballardvale area. Mr. Jaffari stated that a minor problem was found at Analog Devices which will be taken care of the week of July 4 as part of the proactive maintenance program.

Mr. Stempeck asked how the tree trimming program was going. Mr. Jaffari reported to date 1,325 pole spans have been completed and that the program is going very well.

Mr. Jaffari reported on the three reliability indices that the RMLD tracks. SAIDI (System Average Interruption Duration Index), SAIFI (System Average Interruption Frequency Index), and CAIDI (Customer Average Interruption Duration Index) which are all well below the National and Regional averages. The RMLD is doing very well reliability wise.

Mr. Jaffari reported on the Outage Causes and stated that the majority of the outages are equipment related – 37%, trees – 28%, wildlife – 23%, others factors which are a very small portion of the outages are vehicle accidents, weather and human error. Mr. Jaffari stated that the maintenance programs as well as the capital improvement projects will address all of these areas. The trees are now being maintained and cut back eight feet as opposed to five feet and the RMLD should start to see the benefit from all of these programs and improvements that were recently initiated.

Mr. Hennessy asked why the 2015 CAIDI figure was so low. Mr. Jaffari replied that this year we are doing really well and the system is holding very well. Instrumental to this figure being so low are the improvements and implementation of the new maintenance programs. Mr. Jaffari stated that another factor is where a storm hits and added that so far we have been lucky. The winter was harsh and we survived, but if a tornado was to come to the town depending on where it hits it could change these numbers. Mr. Jaffari said that the trend should be going down over time and that is what we want. The way that we capture the problem and allocate money to address the problem is tracking the trends of what causes the outages.

Mr. Jaffari stated that with the GIS operating and updated we will be able to target specific locations down the road when we have the technological tools (i.e. SCADA, Outage Management, and GIS) necessary to perform the feeder analysis. This analysis will allow the RMLD to see which feeders are experiencing the most outages. Mr. Jaffari said that right now we are only addressing the ones in the red zone, the ones that need to be taken care of immediately to avoid unnecessary spending such as oil remediation.

### **MGL Chapter 30B Bids**

Mr. Jaffari reported that RFP 2015-26 GIS/GPS Field Inventory was sent out with a list of attributes to be collected from the field. The RFP was sent to forty-two firms and only six firms had submitted proposals. The proposals were evaluated and only one of the submittals gave pricing for the two options. Mr. Jaffari reported that one of the options was to prepare the data for Milsoft and the other option was to take it onto the next level right at the meter base. Chairman O'Rourke asked if Davey was the only one with the cost associated with an option. Mr. Jaffari replied no, other submittals gave option pricing but they were not as complete as the Davey's submittal. Chairman O'Rourke asked if any other submittals gave the option for the meter. Mr. Jaffari replied no, only Davey submitted that option.

### **RFP 2015-26 GIS/GPS Field Inventory**

Mr. Pacino made a motion seconded by Mr. Stempeck that RFP 2015-26 for a GIS/GPS Field Inventory be awarded to Davey Resource Group, a division of The Davey Tree Expert Company, as the most advantageous responsive and responsible proposer for \$395,434 including all options (Milsoft and Meter Locations) on the recommendation of the General Manager.

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

Mr. Jaffari stated that the next three bids are for transformers, for the transformer replacement program as well as for the commercial and residential new services.



### **MGL Chapter 30B Bids**

#### **IFB 2015-30 Three Phase Pole Mounted Transformers**

Mr. Pacino made a motion seconded by Mr. Stempeck that bid 2015-30 for Three Phase Pole Mounted Transformers be awarded to WESCO for a total cost of \$60,341.00 as the lowest qualified bidder on the recommendation of the General Manager.

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

Mr. Talbot asked about how many submittals are we getting for these bids. Mr. Jaffari replied that on the first page of each bid it describes how many companies received the bid and how many submittals were received. For this particular bid twelve companies were sent the bid documents with two submittals. Mr. Talbot asked why only two companies submitted bids. Mr. Jaffari replied that some of the distributors have a longer lead time than requested. Mr. Stempeck said that he suspects that companies like WESCO with ties to a manufacturing army have the advantage over some distributors where they are able to carry the available stock.

#### **IFB 2015-32 Three Phase Pad Mounted Transformers (Dead Front)**

Mr. Pacino made a motion seconded by Mr. Stempeck that bid 2015-32 for Three Phase Pad Mounted Transformers be awarded to WESCO for a total cost of \$78,650.00 as the lowest qualified bidder on the recommendation of the General Manager.

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

Mr. Pacino asked why the other two bidders with lower pricing were excluded, what had they not met. Mr. Jaffari replied that they did not meet the specification requirements. Mr. Stempeck stated that there are notes on the second page for non-responsive bidders. Mr. Jaffari stated that WESCO did not meet the technical specifications and Graybar did not meet dimensional specifications. Some of the transformers are of a special design for the RMLD.

#### **IFB 2015-33 Three Phase Pad Mounted Transformers (Dead Front Loop Feed)**

Mr. Pacino made a motion seconded by Mr. Stempeck that bid 2015-33 for Three Phase Pad Mounted Transformers be awarded to Power Sales for a total cost of \$54,617.00 as the lowest qualified bidder on the recommendation of the General Manager.

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

### **Financial Report – May 2015 – Mr. Fournier**

Mr. Fournier presented the May Financial Report which represents the first eleven months of fiscal year 2015; the positive change in Net Assets of \$800,000, increasing the year to date Net Income to \$3.4M.

Year to date budgeted Net Income was approximately \$2.5 million with the resulting Net Income being over budget by approximately \$900,000 or 36%. Actual year to day fuel revenues exceeded fuel expenses by about \$1.2 million.

Purchase Power Capacity and Transmission (PPCT) revenues exceed PPCT expenses by approximately \$350,000.

Year to date base revenues were under budget by \$340,000 or less than 2%, actual base revenues were \$19.7 million compared to the budgeted amount of \$20.6 million.

Year to date purchased power base expense was over budget by \$400,000 or about 1.6%, actual purchased power base costs were \$26.5 million compared to the budgeted power base cost of \$26.1 million.

Year to date operating and maintenance (O&M) expenses combined were over budget by \$150,000 or 1.2%, actual O&M expenses were \$13.0 million compared to the budgeted amount of \$12.9 million. Depreciation expense and voluntary payments to the Towns were on budget.

Operating Fund was at \$9.4 million, Capital Fund \$5.7 million, Rate Stabilization Fund \$6.7 million, Deferred Fuel Fund \$5.3 million and the Energy Conservation Fund at \$625,000.

Year to date kilowatt hour sales were 634 million kilowatt hours sold which is 1.3 million kilowatt hours or .21% ahead of last year's actual figure.

Mr. Fournier reported that cumulatively the five divisions were over budget by \$115,000 or .58%.

Mr. Fournier stated that this weekend staff will be performing the physical count and the auditors will be in on Monday to verify those counts. The auditors were in this past week performing field work which went well. Mr. Fournier said that during the first week or two in July the Department will be sending out the account receivable confirmations to selected customers so that they can confirm their balances to us. The audit is scheduled for the week of August 10.

### **Financial Report – May 2015 – Mr. Fournier**

Mr. Fournier reported that for the first eleven months there are no surprises, in looking at the Rate of Return the RMLD had budgeted 6.85%. We are allowed to make 8%. When the final numbers come in we are probably looking at a 6.2 or 6.3% Rate of Return. Mr. Pacino asked if there would be excess money to put into the pension reserve at the end of June. Mr. Fournier replied that we have not made the actual payment. The \$1.5 million was budgeted for the contribution and depending on how the final numbers look the RMLD will probably fund the whole amount or some portion of that. Another Actuarial Study will be performed in FY16 to see what the contribution should be.

### **General Discussion**

Mr. Talbot said that at the last meeting there was discussion around the new two megawatt gas generator. If we wired half of the remaining electric water heaters with timers there would be a guaranteed peak cut in that same range. Mr. Talbot stated that the cost might be very little and the challenge is to identify who has them and then approach them. Mr. Talbot said that it was his belief that there are vendors that have software that could analyze load profiles and tell you which customers have these water heaters. Mr. Talbot asked if it was feasible that maybe in September to get a report on whether the Department could do a push to identify them and proactively go out and do far more on that very successful program.

Ms. O'Brien asked for clarification asking if there were systems out there that were not hooked up. Ms. Parenteau replied that Mr. Talbot is asking the Department to determine who has the electric water heaters and to approach them to add them to the water heater program.

Mr. Talbot said that there is an estimate out there that we have four thousand or so electric water heaters in the district of which three hundred are under our program. Ms. Parenteau stated that the RMLD has a total of about six hundred devices of which approximately 300 have been installed and about another three hundred devices to potentially install without procuring additional stock. Mr. Talbot said that there are about three thousand water heaters out there that are not controlled right now.

Ms. Parenteau stated that would have to be determined. GDS did a study in 2008 and they estimated based on saturation studies that there was a potential to have approximately two thousand customers with electric water heaters depending on when the homes were built and what they installed.

Chairman O'Rourke asked what the device does. Ms. Parenteau replied that the device is hooked up to the internet and is programmed to turn the water heater off for two hours. During the summer this occurs between the hours of 2-4 p.m. Additionally, the RMLD has the ability to turn it off if we are going to peak a little later. In the wintertime it occurs between the hours of 5-7 p.m. Ms. Parenteau stated that typically during the summertime we do not have a problem because people are outside. However, there have been calls in the wintertime because it is closer to dinner time or bath time for families with small children. There have been a few instances where it had not worked for the lifestyle of the customer.

Mr. Talbot said that right now we reliably cut half of a megawatt of peak demand because we have the three hundred wired up. Ms. Parenteau replied that is correct. Mr. Talbot stated that this data is not theoretical and there is another two thousand or fifteen hundred or so water heaters that are not wired up, so there is an opportunity to cut another two megawatts or so.

Mr. Stempeck said that he supports Mr. Talbot's idea but rather than try to identify who is using the electricity because we could be wrong about a lot of things, is there a way to send a coupon along with the bill that says if you have an electric water heater would you respond. Mr. Talbot stated that the RMLD does that now. Ms. Parenteau said that when we go out for residential audits the vendor that we currently use has a form and when speaking with the customer they indicate what they heat with, natural gas or oil and if they have an electric water heater, so that we do have some data.

Mr. Talbot stated that the problem is that people do not sit down, read, react and fill out the form and tell us. Mr. Talbot said that his understanding is that there are companies out there that can analyze load profile from meters and tell you where the electric water heaters are. Mr. Stempeck asked what is it worth to us to have them let us know in the scheme of things for the year. Ms. Parenteau replied that if we put the other 300 in we could potentially save another 500 kilowatts. Mr. Stempeck asked in terms of dollars what would the Department save. Mr. Stempeck asked if it would be worthwhile putting a five dollar bill in the envelope with the survey and asking the customer to fill it out and send it back. This might be a lot less expensive than using a survey firm and you will know exactly where you are going rather than some electronic mechanism tallying spikes.

Mr. Talbot stated that there are a lot of ways that they can analyze the data and they can see who has electric water heaters. We know how much the peak cutting is worth. Ms. O'Brien said that the first step is that we need to finish putting in the ones that we have in inventory. Mr. O'Rourke asked what the consumer's cost is in return. Ms. Parenteau replied the RMLD gets an electrician to install the device so that there is no cost to the consumer to get onto the rate. Mr. O'Rourke asked what the customer saves. Ms. Parenteau replied that the customer saves approximately \$100-\$120 per year by being on this rate so it is advantageous.



### **General Discussion**

There are some customers who do not have the internet so that became a problem but when we get the new meters we will be able to offer the program to those customers without internet access.

Chairman O'Rourke said that maybe we should think about Mr. Stempeck's idea. Ms. Parenteau stated that it is a great idea but administratively it is a lot of work to coordinate customer's availability, for them to be there for an hour, schedule the electrician, get approval by the wire inspector and added that there are a lot of little nuances. Ms. Parenteau said that we are happy to do it and have the program, it is a fabulous idea but we need to make sure that we have the manpower and administrative support to help with the scheduling. Mr. Stempeck asked what is the break-even analysis when considering that you pay to have it installed, the cost of the meter, the monitoring and the solicitation. It is all kinds of money and if it doesn't look like there is going to be a good payback. Ms. Parenteau replied that it will be significant next year because of the capacity market in the NEMA zone. Capacity is going up from three dollars to fifteen dollars per kw-month.

Mr. Talbot stated that we just voted a \$2 million budget for the gas generator. Mr. Jaffari said that the budgeted amount was \$2.164 million. Mr. Talbot said that they just voted a \$2.1 million capital cost to get the ability to cut a two megawatt reliably, we already reliably cut half a megawatt with three hundred water heaters wired, so if you wired twelve hundred you would have the same two megawatt guarantee peak cut. Mr. Talbot stated that this will not cost \$2.1 million to wire up one thousand water heaters with a timer, it is going to be a lot less than that. Ms. Parenteau said that there are costs and it is a whole other avenue that we can look at. We can install, service or rent electric water heaters there's a whole other niche but it all takes manpower and resources.

Mr. Talbot stated that there are three hundred of these timers sitting in the Barbas building, so why don't we hire a software company that can tell us which houses have the electric water heaters so we can go out and do it. Mr. Talbot said that what we need is a better communications strategy with our customers because right now we do not know which houses have them and the people are not surfacing and saying give me the timer. Mr. Jaffari stated that the new meters that the Department is installing, the Eaton system has that capability and we will be able to know the load, what's going on and be able to perform more analysis of this type. With the current Itron Metering we do not have that capability. Mr. Jaffari said that maybe if we were to go aggressively and knock at every door and try to encourage more people to participate in the program the people could opt out at any minute. With distributive generation we do not have to rely on anyone and whether they are going to opt in or out, that's the big difference it is something that is within our control.

Mr. Talbot asked how many people who have them now decide that they do not want to have them anymore. Ms. Parenteau replied that there has been a handful. Mr. Talbot said that this suggests that there is not a big number that fall out. Chairman O'Rourke stated that this is worth looking at and before we jump too quickly, Mr. Stempeck has raised an interesting question how we could get information. Hire a software company, put a five dollar bill in an envelope, put advertisements in the Chronicle, not every idea is going to be feasible. Chairman O'Rourke asked that maybe at the July meeting or the following depending on the Department's workload Ms. Parenteau could update the Board on how it is going so that the topic does not fall off the table.

Mr. Stempeck wanted to commend the Department for putting in the RMLD online store, where light bulbs are being sold below retail price. Ms. Parenteau stated they are being sold at 50% off. Ms. O'Brien said that maybe the water heaters could go on the online store for free. Mr. Talbot commented that was a good idea -- another marketing strategy.

### **BOARD MATERIAL AVAILABLE BUT NOT DISCUSSED**

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

**Rate Comparisons, June 2015**

### **RMLD Board Meetings**

**Thursday, July 30, 2015**

**Thursday, September 24, 2015**

### **Policy Committee Meeting**

**To Be Determined.**

### **CAB Meeting**

**Wednesday, August 12, 2015 – Dave Hennessy**

**Executive Session**

Mr. Pacino made a motion seconded by Mr. Stempeck that the Board go into Executive Session to approve the Executive Session meeting minutes of November 21, 2014; to consider the purchase, exchange, lease or value of real property if the chair declares that an open meeting may have a detrimental effect on the negotiating position of the public body and return to the Regular Session for the sole purpose of adjournment.

**Chairman O'Rourke called for a poll of the vote:**

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

**Motion carried by a polling of the Board 5:0:0.**

**Adjournment**

At 9:43 p.m. Mr. Pacino made a motion seconded by Mr. Stempeck that the RMLD Board of Commissioners move to adjourn the Regular Session.

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

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

Dave Talbot, Secretary Pro Tem  
RMLD Board of Commissioners



**RMLD Policy No. 5  
TRAVEL POLICY (Overnight/Day Travel)**

Revision No.8

Commission Vote Date \_\_\_\_\_

\_\_\_\_\_  
General Manager/Date

\_\_\_\_\_  
Next Review Date

**I. PURPOSE**

- A. To establish overall administrative controls for reporting employees' expenses and obtaining approval for overnight/day travel.

Only "reasonable" expenses will be reimbursed. Section III of this policy provides guidelines for "reasonable" travel. The Accounting Manager (or designee) will refer expenses that exceed Section III guidelines to the General Manager for final approval. The Accounting Manager is encouraged to meet directly with employees whose expenses exceed these guidelines and to resolve on the side of reasonableness and fairness to the employee. Should the Accounting Manager have questions on any employee's expense report that is not answered to his satisfaction, he/she then will report to the General Manager with those concerns. The General Manager shall report any unresolved policy abnormalities by the Accounting Manager to the Reading Municipal Light Board of Commissioners at its next scheduled meeting.

**II. RESPONSIBILITIES**

A. Accounting Manager

1. Responsible for periodic review of this policy and attachments to ensure continuing compliance with RMLD's requirements as well as applicable state and federal laws. Recommendations are to be made to the General Manager.
2. Responsible for reviewing all expense account reports to ensure compliance with this policy. Responsible for making decisions on reimbursements under this policy, subject to review and final approval by the General Manager.
3. Responsible for making reports of reimbursements to the General Manager as may be requested by the General Manager from time to time.

B. Supervisor of Employee Seeking Reimbursement

1. Determines justification for the employee's travel.
2. Responsible for implementing processes to ensure that any RMLD employee who may incur expenses subject to this policy is aware of the policy and all its provisions.
3. Follow up with employee to make sure signed expense report and appropriate receipts have been forwarded to Accounting in a timely manner as required in Section III.R. "Expense Report Processing".

C. General Manager

1. Retains final decision making authority concerning justification for travel of subordinate employees.

2. Responsible for reviewing decisions made by Accounting Manager on reimbursements. If the General Manager overrules a decision of the Accounting Manager, the General Manager shall make a report to the Reading Municipal Light Board at the next meeting of the Board.

D. Reading Municipal Light Board

1. Responsible for determining the justification for any General Manager travel authorization.
2. Responsible for reviewing any discrepancies and decisions made by the Accounting Manager concerning reimbursements involving the General Manager.

### III. GENERAL GUIDELINES

A. Overnight Travel

1. Employees may request travel for purposes of meeting their Career Development Plan or as determined by their supervisor.
2. All requests must be submitted to the Division Manager in the format of a completed top section of the Travel Authorization Form, for consideration in the budget process for the appropriate fiscal year of travel.
3. Employees will be notified if their requests have been tentatively authorized as part of the budget process, however this does not guarantee that their Travel Authorization Form will receive final approval. Circumstances such as funding, staffing, etc., could impact final approval. The employee, RMLD Board member or CAB member should process their request post budget process, for final approval signatures.
4. No travel arrangements or expenditures should be made by or for any employee, RMLD Board of Commissioner, or Citizens' Advisory Board member, until the Travel Authorization Form has been approved. A computerized form is located in the RMLD SharePoint. Forms are also available from the Executive Assistant. All travel arrangements will be made in accordance with the approved Travel Authorization Form. The Employee is responsible for completing the necessary Purchase Requisition. In the case of the RMLD Board Member or CAB Member, the Executive Assistant is responsible for completing the necessary Purchase Requisition. The applicable Purchase Order will not be approved without an approved Travel Authorization Form attached.
5. The Executive Assistant is designated by the General Manager to make all RMLD travel arrangements, to ensure that the Travel Authorization Form has been completed correctly and to make all the air/train and hotel reservations, and if appropriate, car rental reservations. The Travel Authorization Form follows this process: initial approval is via the Supervisor then the General Manager has final approval. Once the Travel Authorization has been approved, a copy should be given to the Executive Assistant.

B. Air/Train/Bus Travel

1. All travel should be arranged to obtain the lowest fare consistent with the required travel schedule. First class travel is not allowed. Non refundable tickets should be purchased with insurance in the event the airline cancels the flight(s).



C. Car Rentals

1. The General Manager will determine whether an employee requires a car rental. If an employee is staying at a hotel where the conference is being held, a car rental will not be allowed. An employee can elect to justify in written form why a car rental is necessary.
2. Car rentals shall be at the lowest rate and mid-size available consistent with the travel schedule and needs. Luxury, sport or specialized vehicles are not allowed.
3. Employees shall decline the coverage for Collision Damage Waiver Insurance offered by rental car companies. Please make it clear when renting a vehicle that it is a company rental. If the rental firm requires a certificate of insurance, please contact RMLD and the certificate will be faxed to them.

D. Cash Advances

1. Cash advances are not available.

E. Personal Car

1. Employees will be reimbursed for the use of their personal car at the rate used by the Town of Reading.
2. All employees who use their own vehicle from their home to attend a seminar (or similar company business) will deduct their normal commuting mileage to and from the RMLD from the total mileage to attend the seminar if you leave from home. Examples of this are the following:
  - a. If your normal round trip commute to the RMLD is thirty (30) miles and you attend a seminar that is twenty (20) miles round trip from your home, you would be reimbursed nothing for mileage.
  - b. If your normal round trip commute to the RMLD is thirty (30) miles and you attend a seminar that is forty (40) miles round trip from your home, you would be reimbursed ten (10) miles for mileage (40 miles - 30 miles).
  - c. If you are attending a seminar on a holiday or a weekend, you would be reimbursed the total amount of your mileage, since you would not be commuting normally to work on any of these days.

When reporting mileage, the total mileage driven, less the commuting mileage, must be indicated.

F. Meals

1. Overnight Travel Meals - All employees will be provided a per diem allowance in accordance with the United States General Services Administration [www.gsa.gov](http://www.gsa.gov) for all their meals (includes meal, tax and gratuities without providing receipts.)
2. Local Travel/Business Meals - Local Travel/Business meals will be reimbursed up to the amount specified by the United States General Services Administration [www.gsa.gov](http://www.gsa.gov) for lunch only. Where receipts are required, they must be detailed and complete. If lunch is provided as part of a seminar, no reimbursement will be made.

G. Entertainment Expenses

Entertainment expenses are not permitted.

H. Phone

In the event of no cell phone, employees are authorized one personal call to home up to thirty (30) minutes per day of travel. Employees are encouraged to refrain from using direct hotel lines due to excessive charges.

I. Laundry/Cleaning

Reimbursement is allowed if the trip is three days or longer.

J. Tips

Reasonable tips (non-meal related) are reimbursable.

K. Lodging

Standard double-occupancy rooms are authorized (one room per employee).

L. Parking/Tolls/Gas

All such expenses are reimbursable provided receipts are provided.

M. Taxis

Actual cost of taxis is reimbursable based on documentation supplied by the employee.

N. Non-Reimbursable Expenses

The following costs are not reimbursable via this policy:

1. Personal expenditures that are not related to RMLD business and are of a type that an employee would make whether at home or away.
2. Personal travel and accident insurance.
3. Medical costs.
4. All associated travel expenses of a spouse, personal guests or dependents.
5. Expense for care of dependents or pets.
6. Extra expenses at home while you travel (example: caretaker service).
7. Cost of personally given flowers, gifts or remembrances.
8. Alcoholic drinks of any type.

O. Receipts Required for Travel Expenses

1. Transportation fares: (Note: for all air/train travel, the passenger receipt portion of the ticket must be submitted).



2. The entire detailed hotel bill must be submitted (not just the credit card total).
3. Laundry and cleaning.
4. All parking fees and tolls.
5. Car rentals and related expenditures, e.g. gas, oil, etc.
6. Postage fees.
7. RMLD car expenditures (e.g., repairs, wiper blades, oil).
8. Registration fees for previously approved courses and seminars.
9. Unusual expenditures. If a receipt is lost or otherwise not available, do not delay submitting expense reports for expenditures for which receipts are available or are not required, i.e., submit expenses you can document and catch up on submitting the rest when you get the receipts. The employee is responsible for obtaining the missing receipt or an acceptable duplicate.

P. Expense Report Approval Requirements

1. Expense reports must be signed by the employee and the immediate supervisor and forwarded (along with the required documentation) to the Accounting Manager or designee. Expense reports will only be approved by the Accounting Manager or designee if they comply with the provisions of this policy.

Q. Combined Business and Personal Travel

If an employee takes a business trip and the trip is extended in time to include personal matters or vacation, all extra expenses incurred will be the employee's responsibility including hotel, meals, flight surcharge, parking, etc.

R. Expense Report Processing

1. Upon return from a trip or completion of RMLD business, the employee must complete an expense report as soon as possible, but in no case later than five (5) working days following the trip.
2. Employees will be reimbursed through the weekly Accounts Payable cycle.

**IV. ATTACHMENT**

- A. Travel Authorization Form.



## TRAVEL AUTHORIZATION FORM FISCAL YEAR \_\_\_\_\_

Day

☐

Overnight

☐

Conference

☐

Training

☐

|           |           |           |   |   |
|-----------|-----------|-----------|---|---|
| Employee: | Division: | Meets CDP | Y | N |
|           |           |           |   |   |

|   |                                   |
|---|-----------------------------------|
| Name of Training/Conference   |                                   |
| Reason for Request  |                                   |
| Location  |                                   |
| Travel Dates  | Length of Stay (Number of Nights) |
| Transportation - Travel Mode (Air, Rental Vehicle, Bus, Personal Vehicle) |                                   |
| Did you receive an overnight travel authorization last year? Yes No       |                                   |

|                | REQUEST | REVISED | ACTUAL |
|----------------|---------|---------|--------|
| TRANSPORTATION | \$      | \$      | \$     |
| HOTEL          | \$      | \$      | \$     |
| FEES/TUITION   | \$      | \$      | \$     |
| MEALS          | \$      | \$      | \$     |
| OTHER          | \$      | \$      | \$     |
| TOTAL          | \$0.00  | \$0.00  | \$0.00 |

Request Approval:  
Projected Budgeted

Revised Approval:  
Based on Increases

Actual Approval:  
Actual Expenses

\_\_\_\_\_  
Employee

\_\_\_\_\_  
Employee

\_\_\_\_\_  
Employee

\_\_\_\_\_  
Supervisor

\_\_\_\_\_  
Supervisor

\_\_\_\_\_  
Supervisor

\_\_\_\_\_  
General Manager

\_\_\_\_\_  
General Manager

\_\_\_\_\_  
General Manager

\_\_\_\_\_  
Date

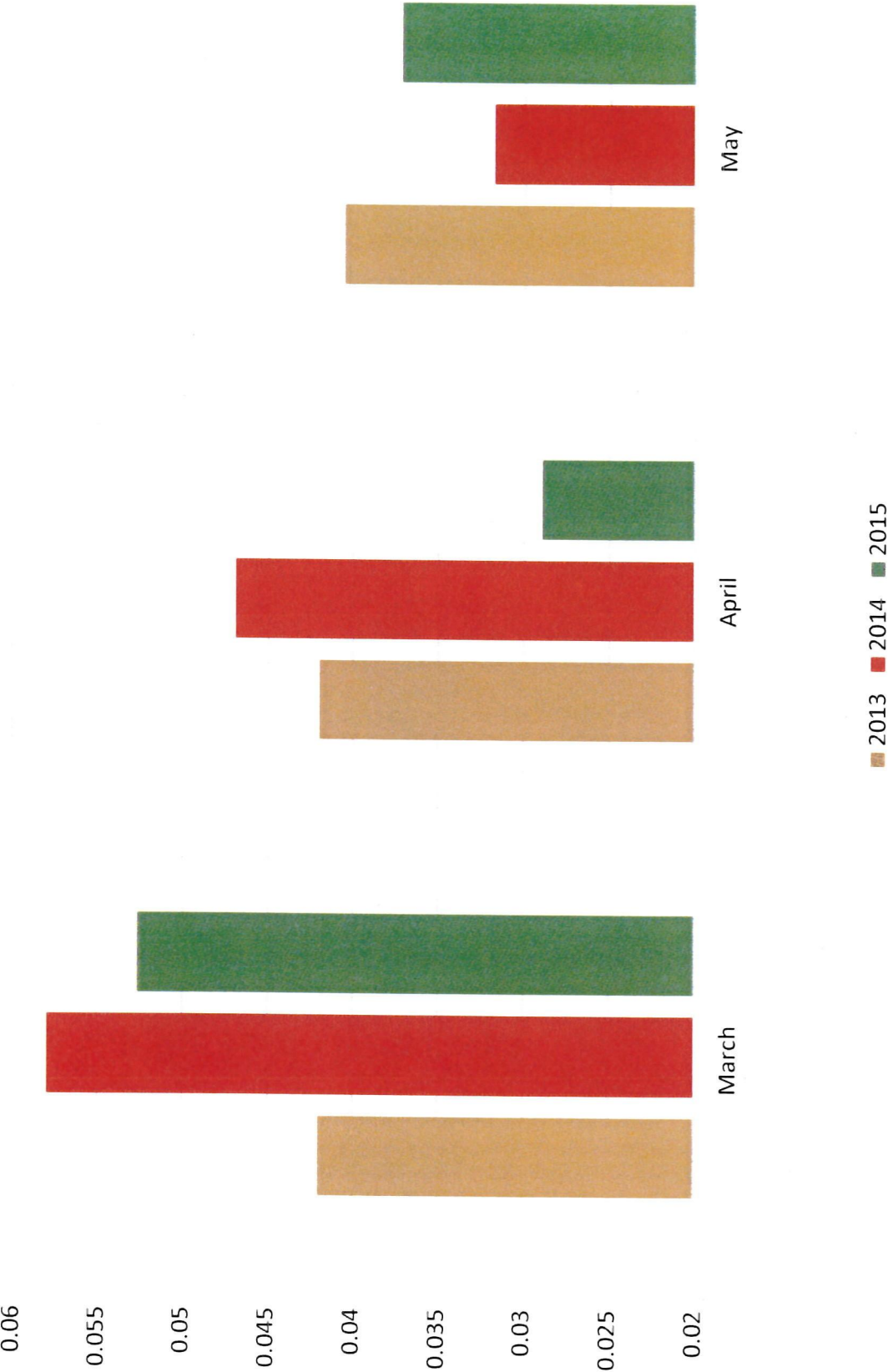
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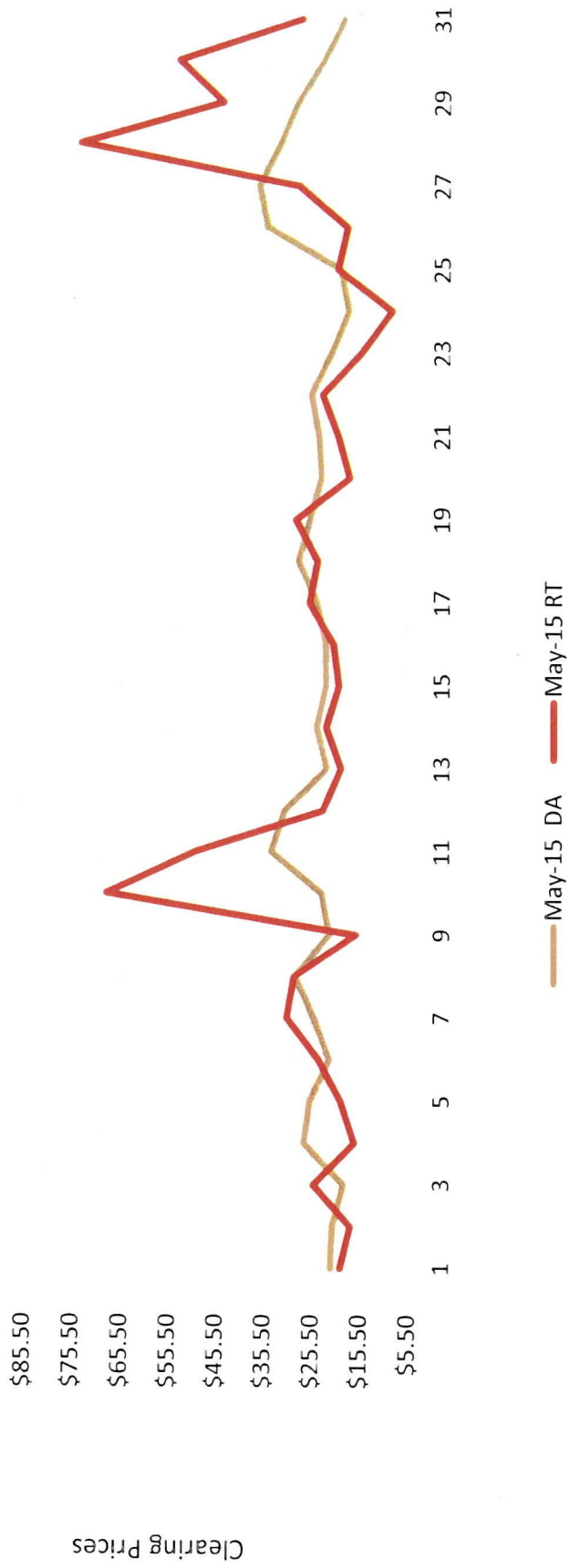
Revised Approval is required if Request total increases prior to travel. Other reimbursable expenses are according to RMLD's Travel Policy 5.  
All forms and expense reports must be processed in accordance with RMLD's Travel Policy 5.



RMLD Energy Costs  
(\$/kWh)  
March - May  
2013-2015

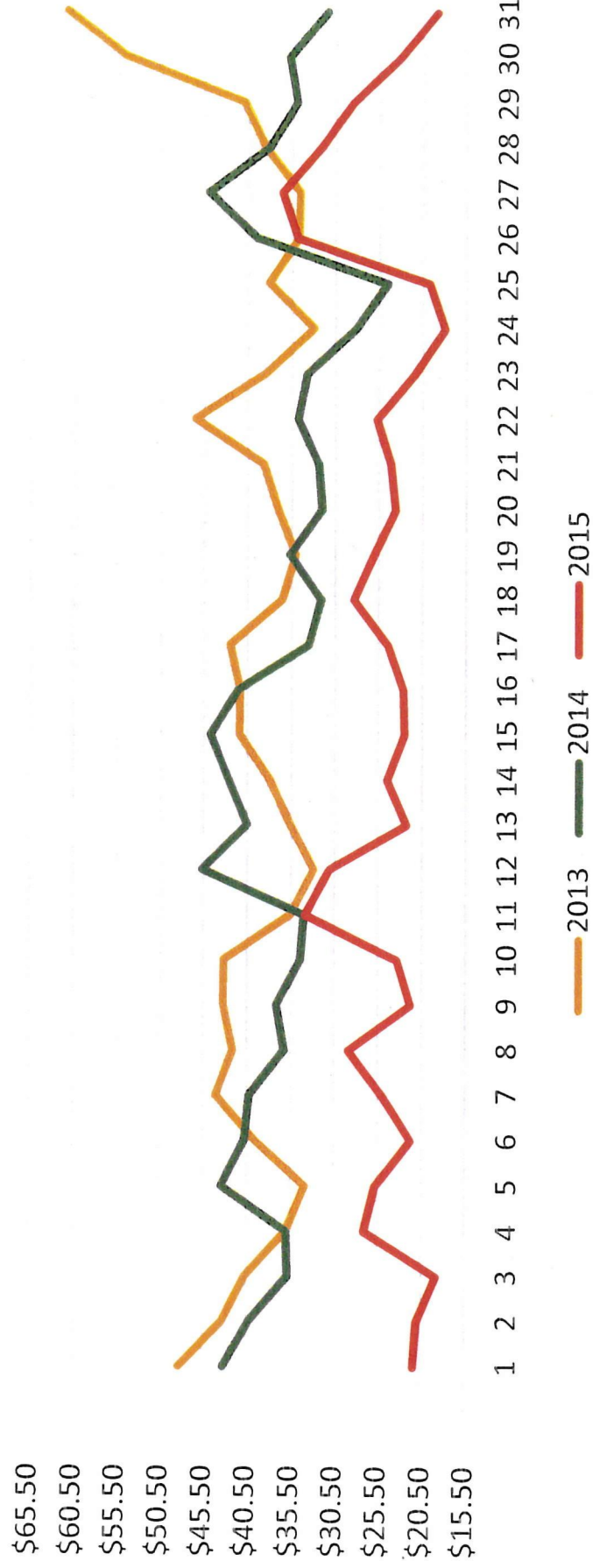


May 2015  
Market Statistics  
Day Ahead vs. Real Time





# May Day Ahead Market Prices 2013 - 2015



To: Coleen O'Brien

From: Maureen McHugh, Jane Parenteau

Date: June 19, 2015

Subject: Purchase Power Summary – May, 2015

Energy Services Division (ESD) has completed the Purchase Power Summary for the month of May, 2015.

### ENERGY

The RMLD's total metered load for the month was 58,057,065 kWh, which is a 6.27% increase from the May, 2014 figures.

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

**Table 1**

| Resource                | Amount of<br>Energy<br>(kWh) | Cost of<br>Energy<br>(\$/Mwh) | % of Total<br>Energy | Total \$<br>Costs | \$ as a<br>% |
|-------------------------|------------------------------|-------------------------------|----------------------|-------------------|--------------|
| Millstone #3            | 3,706,230                    | \$6.71                        | 6.36%                | \$24,869          | 1.24%        |
| Seabrook                | 5,894,128                    | \$6.69                        | 10.12%               | \$39,409          | 1.96%        |
| Stonybrook Intermediate | 3,484,146                    | \$31.90                       | 5.98%                | \$111,138         | 5.53%        |
| Shell Energy            | 7,502,800                    | \$70.59                       | 12.88%               | \$529,604         | 26.35%       |
| NextEra                 | 6,913,000                    | \$52.31                       | 11.87%               | \$361,593         | 17.99%       |
| NYP&A                   | 2,354,849                    | \$4.92                        | 4.04%                | \$11,586          | 0.58%        |
| ISO Interchange         | 8,061,212                    | \$27.87                       | 13.84%               | \$224,652         | 11.18%       |
| NEMA Congestion         | 0                            | \$0.00                        | 0.00%                | -\$156,523        | -7.79%       |
| Coop Resales            | 5,076                        | \$169.99                      | 0.01%                | \$863             | 0.04%        |
| BP Energy               | 8,513,600                    | \$47.73                       | 14.62%               | \$406,354         | 20.22%       |
| Hydro Projects*         | 1,917,228                    | \$82.80                       | 3.29%                | \$158,743         | 7.90%        |
| Braintree Watson Unit   | 495,935                      | -\$115.04                     | 0.85%                | -\$57,055         | -2.84%       |
| Saddleback Wind         | 269,140                      | \$0.00                        | 0.46%                | \$0               | 0.00%        |
| Exelon                  | 9,059,600                    | \$37.38                       | 15.55%               | \$338,648         | 16.85%       |
| Stonybrook Peaking      | 71,664                       | \$220.04                      | 0.12%                | \$15,769          | 0.78%        |
| Monthly Total           | 58,248,608                   | \$34.50                       | 100.00%              | \$2,009,648       | 100.00%      |

*\*Pepperell, Woronoco, Indian River, Turner Falls, Collins, Pioneer, Hosiery Mills, Summit Hydro*



Table 2 breaks down the ISO interchange between the DA LMP Settlement and the RT Net Energy for the month of May, 2015.

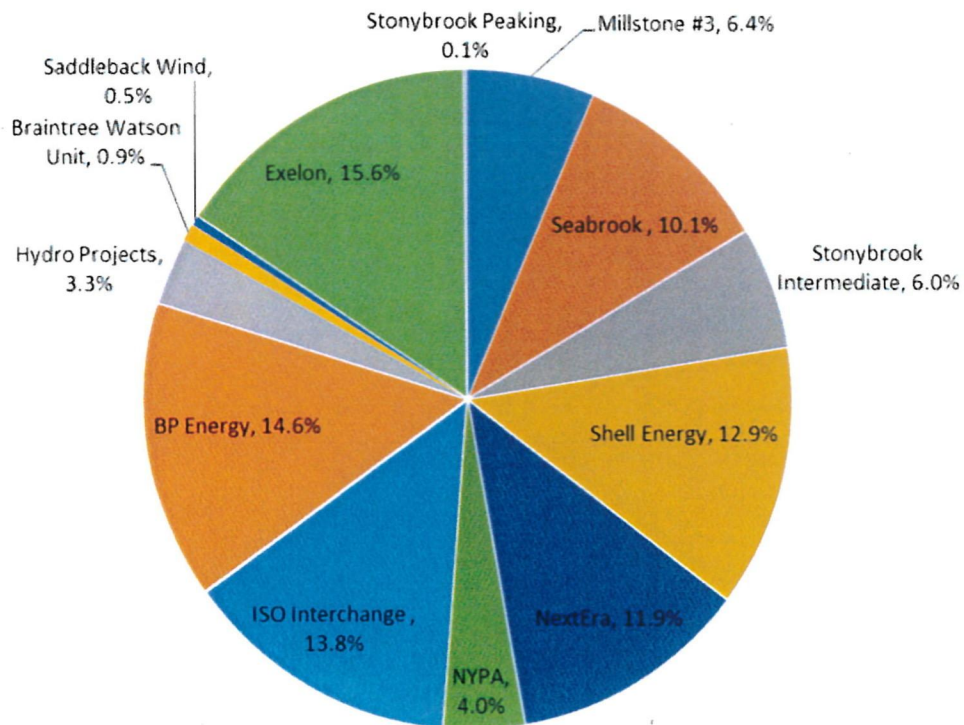
**Table 2**

| Resource                      | Amount<br>of Energy<br>(kWh) | Cost<br>of Energy<br>(\$/Mwh) | % of Total<br>Energy |
|-------------------------------|------------------------------|-------------------------------|----------------------|
| ISO DA LMP *                  | 6,898,386                    | 25.22                         | 11.84%               |
| Settlement                    |                              |                               |                      |
| RT Net Energy **              | 1,162,826                    | 32.57                         | 2.00%                |
| Settlement                    |                              |                               |                      |
| ISO Interchange<br>(subtotal) | 8,061,212                    | 27.87                         | 13.84%               |

\* Independent System Operator Day-Ahead Locational Marginal Price

\*\* Real Time Net Energy

### MAY 2015 ENERGY BY RESOURCE



## CAPACITY

The RMLD hit a demand of 138,424 kW, which occurred on May 28, at 5 pm. The RMLD's monthly UCAP requirement for May, 2015 was 209,123 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       | 34.38              | \$170,190     | 11.08%          |
| Seabrook              | 7,919       | 39.88              | \$315,800     | 20.56%          |
| Stonybrook Peaking    | 24,981      | 2.04               | \$50,945      | 3.32%           |
| Stonybrook CC         | 42,925      | 7.77               | \$333,701     | 21.72%          |
| NYP&A                 | 4,019       | 4.19               | \$16,834      | 1.10%           |
| Hydro Quebec          | 0           | 0                  | \$21,538      | 1.40%           |
| NextEra               | 60,000      | 5.65               | \$339,000     | 22.07%          |
| Braintree Watson Unit | 10,520      | 10.73              | \$112,885     | 7.35%           |
| ISO-NE Supply Auction | 53,809      | 3.26               | \$175,468     | 11.42%          |
| Total                 | 209,123     | \$7.35             | \$1,536,361   | 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            | \$24,869    | \$170,190   | \$195,059   | 5.50%           | 3,706,230           | 0.0526                 |
| Seabrook                | \$39,409    | \$315,800   | \$355,208   | 10.02%          | 5,894,128           | 0.0603                 |
| Stonybrook Intermediate | \$111,138   | \$333,701   | \$444,839   | 12.54%          | 3,484,146           | 0.1277                 |
| Hydro Quebec            | \$0         | \$21,538    | \$21,538    | 0.61%           | -                   | 0.0000                 |
| Shell Energy            | \$529,604   | \$0         | \$529,604   | 14.94%          | 7,502,800           | 0.0706                 |
| NextEra                 | \$361,593   | \$339,000   | \$700,593   | 19.76%          | 6,913,000           | 0.1013                 |
| * NYP&A                 | \$11,586    | \$16,834    | \$28,420    | 0.80%           | 2,354,849           | 0.0121                 |
| ISO Interchange         | \$224,652   | \$175,468   | \$400,120   | 11.28%          | 8,061,212           | 0.0496                 |
| Nema Congestion         | -\$156,523  | \$0         | -\$156,523  | -4.41%          | -                   | 0.0000                 |
| BP Energy               | \$406,354   | \$0         | \$406,354   | 11.46%          | 8,513,600           | 0.0477                 |
| * Hydro Projects        | \$158,743   | \$0         | \$158,743   | 4.48%           | 1,917,228           | 0.0828                 |
| Braintree Watson Unit   | -\$57,055   | \$112,885   | \$55,830    | 1.57%           | 495,935             | 0.1126                 |
| * Saddleback Wind       | \$0         | \$0         | \$0         | 0.00%           | 269,140             | 0.0000                 |
| Coop Resales            | \$863       | \$0         | \$863       | 0.02%           | 5,076               | 0.1700                 |
| Exelon Energy           | \$338,648   | \$0         | \$338,648   | 9.55%           | 9,059,600           | 0.0374                 |
| Stonybrook Peaking      | \$15,769    | \$50,945    | \$66,714    | 1.88%           | 71,664              | 0.9309                 |
| Monthly Total           | \$2,009,648 | \$1,536,361 | \$3,546,009 | 100.00%         | 58,248,608          | 0.0609                 |
| * Renewable Resources   |             |             |             |                 | 7.80%               |                        |



## **RENEWABLE ENERGY CERTIFICATES (RECs)**

Table 5 shows the amount of banked and projected RECs for the Swift River Hydro Projects through May 2015, as well as their estimated market value.

**Table 5**  
**Swift River RECs Summary**  
**Period - January 2015 - May 2015**

|               | <b>Banked<br/>RECs</b> | <b>Projected<br/>RECs</b> | <b>Total<br/>RECs</b> | <b>Est.<br/>Dollars</b> |
|---------------|------------------------|---------------------------|-----------------------|-------------------------|
| Woronoco      | 0                      | 977                       | 977                   | \$46,896                |
| Pepperell     | 0                      | 3,220                     | 3,220                 | \$154,560               |
| Indian River  | 0                      | 1,433                     | 1,433                 | \$68,784                |
| Turners Falls | <u>0</u>               | <u>617</u>                | <u>617</u>            | <u>\$0</u>              |
| Sub total     | 0                      | 6,247                     | 6,247                 | \$270,240               |
| RECs Sold     |                        |                           | 0                     | \$0                     |
| Grand Total   | 0                      | 6,247                     | 6,247                 | \$270,240               |

## **TRANSMISSION**

The RMLD's total transmission costs for the month of May, 2015 were \$610,724. This is increase of 34.12% from the April transmission cost of \$927,050. In May, 2014 the transmission costs were \$628,818.

**Table 6**

|                  | <b>Current Month</b> | <b>Last Month</b> | <b>Last Year</b> |
|------------------|----------------------|-------------------|------------------|
| Peak Demand (kW) | 138,424              | 92,907            | 100,172          |
| Energy (kWh)     | 58,248,608           | 51,959,397        | 54,474,357       |
| Energy (\$)      | \$2,009,648          | \$1,503,849       | \$1,729,892      |
| Capacity (\$)    | \$1,536,361          | \$1,447,201       | \$1,374,862      |
| Transmission(\$) | \$610,724            | \$927,050         | \$628,818        |
| Total            | \$4,156,732          | \$3,878,100       | \$3,733,573      |

**FY 2016 - Base Rate Increase**  
**Comparative Rates Present/Proposed**

| Residential           | 500 kWh   | 750 kWh   | 1000 kWh  |
|-----------------------|-----------|-----------|-----------|
| Present               | \$70.29   | \$103.85  | \$137.41  |
| Proposed              | \$72.68   | \$107.27  | \$141.87  |
| % Change              | 3.40%     | 3.30%     | 3.25%     |
| Cost per kWh Present  | \$0.14058 | \$0.13846 | \$0.13741 |
| Cost per kWh Proposed | \$0.14536 | \$0.14303 | \$0.14187 |

| Residential Hot Water | 1000 kWh  | 1500 kWh  | 2000 kWh  |
|-----------------------|-----------|-----------|-----------|
| Present               | \$127.75  | \$190.05  | \$252.33  |
| Proposed              | \$131.25  | \$195.13  | \$259.00  |
| % Change              | 2.73%     | 2.67%     | 2.64%     |
| Cost per kWh Present  | \$0.12775 | \$0.12670 | \$0.12617 |
| Cost per kWh Proposed | \$0.13125 | \$0.13009 | \$0.12950 |

| Residential Time of Use | 1000 kWh  | 1500 kWh  | 2000 kWh  |
|-------------------------|-----------|-----------|-----------|
| Present                 | \$125.75  | \$186.11  | \$246.48  |
| Proposed                | \$129.00  | \$190.73  | \$252.47  |
| % Change                | 2.58%     | 2.48%     | 2.43%     |
| Cost per kWh Present    | \$0.12575 | \$0.12408 | \$0.12324 |
| Cost per kWh Proposed   | \$0.12900 | \$0.12716 | \$0.12624 |

| Residential Low Income | 500 kWh   | 750 kWh   | 1000 kWh  |
|------------------------|-----------|-----------|-----------|
| Present                | \$67.12   | \$100.68  | \$134.24  |
| Proposed               | \$69.19   | \$103.79  | \$138.39  |
| % Change               | 3.09%     | 3.09%     | 3.09%     |
| Cost per kWh Present   | \$0.13424 | \$0.13423 | \$0.13424 |
| Cost per kWh Proposed  | \$0.13839 | \$0.13838 | \$0.13839 |

| Residential Hot Water Low Income | 1000 kWh  | 1500 kWh  | 2000 kWh  |
|----------------------------------|-----------|-----------|-----------|
| Present                          | \$124.58  | \$186.87  | \$250.15  |
| Proposed                         | \$127.75  | \$191.64  | \$255.51  |
| % Change                         | 2.55%     | 2.55%     | 2.14%     |
| Cost per kWh Present             | \$0.12458 | \$0.12458 | \$0.12508 |
| Cost per kWh Proposed            | \$0.12775 | \$0.12776 | \$0.12775 |

| Residential Time of Use Low Income | 1000 kWh  | 1500 kWh  | 2000 kWh  |
|------------------------------------|-----------|-----------|-----------|
| Present                            | \$120.22  | \$180.34  | \$240.46  |
| Proposed                           | \$122.97  | \$184.46  | \$245.95  |
| % Change                           | 2.28%     | 2.29%     | 2.28%     |
| Cost per kWh Present               | \$0.12022 | \$0.12023 | \$0.12023 |
| Cost per kWh Proposed              | \$0.12297 | \$0.12297 | \$0.12297 |

| Commercial            | Small      | Medium     | Large       |
|-----------------------|------------|------------|-------------|
| Present               | \$1,525.29 | \$9,294.10 | \$41,320.27 |
| Proposed              | \$1,561.01 | \$9,422.31 | \$42,261.22 |
| % Change              | 2.34%      | 1.38%      | 2.28%       |
| Cost per kWh Present  | \$0.11468  | \$0.12197  | \$0.11491   |
| Cost per kWh Proposed | \$0.11737  | \$0.12365  | \$0.11752   |

| Industrial Time of Use | Small       | Medium      | Large        |
|------------------------|-------------|-------------|--------------|
| Present                | \$27,669.48 | \$55,505.82 | \$695,234.49 |
| Proposed               | \$28,132.87 | \$55,790.46 | \$709,646.03 |
| % Change               | 1.67%       | 0.51%       | 2.07%        |
| Cost per kWh Present   | \$0.10358   | \$0.11337   | \$0.10130    |
| Cost per kWh Proposed  | \$0.10532   | \$0.11395   | \$0.10340    |

| School Rate           | Small      | Medium      | Large       |
|-----------------------|------------|-------------|-------------|
| Present               | \$3,686.19 | \$10,859.78 | \$23,194.26 |
| Proposed              | \$3,755.76 | \$11,117.91 | \$23,750.31 |
| % Change              | 1.89%      | 2.38%       | 2.40%       |
| Cost per kWh Present  | \$0.11999  | \$0.11256   | \$0.11227   |
| Cost per kWh Proposed | \$0.12226  | \$0.11524   | \$0.11496   |

| Street Lights         | Reading    | Lynnfield  | North Reading | Wilmington |
|-----------------------|------------|------------|---------------|------------|
| Present               | \$9,557.91 | \$3,858.40 | \$4,860.01    | \$9,800.49 |
| Proposed              | \$9,751.93 | \$3,936.73 | \$4,958.12    | \$9,999.20 |
| % Change              | 2.03%      | 2.03%      | 2.02%         | 2.03%      |
| Cost per kWh Present  | \$0.11872  | \$0.11872  | \$0.11938     | \$0.11886  |
| Cost per kWh Proposed | \$0.12113  | \$0.12113  | \$0.12179     | \$0.12127  |

| Co-Op Resale          | Present   | Proposed  |
|-----------------------|-----------|-----------|
| Present               | \$67.99   | \$70.01   |
| % Change              | 2.98%     | 2.98%     |
| Cost per kWh Present  | \$0.13598 | \$0.14002 |
| Cost per kWh Proposed | \$0.14002 | \$0.14002 |

Note: Proposed Rate Structure to Take Effect July 1, 2015. All Rate Classes Include the Fifteen Percent Prompt Payment Discount except Street Lights

**Residential Schedule A Rate**

**Designation:**

Residential A Rate

**Available in:**

Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**

Individual residential customers for all domestic uses where service is taken through one meter. Incidental commercial use, not exceeding 20% of the total energy used on the same premises is permitted.

**Character of service:**

A.C. 60 cycles: single phase.

**Customer Charge:**

\$4.10 per month

**Distribution Energy Charge:**

\$.05368 per Kilowatt-hour for all Kilowatt-hours usage

**Budget Billing:**

The customers under this rate will have available to them a budget billing program under which the customer is required to pay a leveled amount to the Department each billing period during the calendar year. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Low Income Discount**

The Customer Charge under this rate will be waived upon verification of a low-income customer's receipt of any means-tested public benefit, or verification of eligibility for the low-income home energy assistance program, or its successor program, for which eligibility does not exceed 200 percent of the federal poverty level based on a household's gross income. In a program year in which maximum eligibility for LIHEAP exceeds 200 percent of the federal poverty level, a household that is income eligible under LIHEAP shall be eligible for the low-income electric discount. It is the responsibility of the customer to annually certify, by forms provided by the utility, the continued compliance with the foregoing qualifications.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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



**Residential Schedule A Rate (cont'd)**

**Farm Discount:**

Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional 10% discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Energy Conservation Charge:**

The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**

The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission Charge:**

The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

**Meter Reading and Billing:**

Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Town of Reading, Massachusetts  
Municipal Light Department**

**MDPU # 251 supersedes  
and cancels MDPU # 238**

**Residential Schedule RW  
Controlled Water Heater Rate**

**Designation:**

Residential RW Rate

**Available in:**

Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**

Individual residential customers for all domestic uses where service is taken through one meter. Incidental commercial use, not exceeding 20% of the total energy used on the same premises is permitted.

**Character of service:**

A.C. 60 cycles: single phase.

**Terms of Use:**

When a customer regularly uses an electric water heater of a type approved by the Department, service to the water heater will be controlled by a Department owned timing device. Customer also needs a customer owned internet connection. Internal wiring will be the responsibility of the customer. Water heater with two elements shall be interlocked to prevent simultaneous operation.

**Customer Charge:**

\$4.11 per month.

**Distribution Energy Charge:**

\$.04117 per Kilowatt-hour for all Kilowatt-hours usage

**Budget Billing:**

The customers under this rate will have available to them a budget billing program under which the customer is required to pay a levelized amount to the Department each billing period during the calendar year. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Residential Schedule RW  
Controlled Water Heater Rate (Contd.)**

**Low Income Discount**

The Customer Charge under this rate will be waived upon verification of a low-income customer's receipt of any means-tested public benefit, or verification of eligibility for the low-income home energy assistance program, or its successor program, for which eligibility does not exceed 200 percent of the federal poverty level based on a household's gross income. In a program year in which maximum eligibility for LIHEAP exceeds 200 percent of the federal poverty level, a household that is income eligible under LIHEAP shall be eligible for the low-income electric discount. It is the responsibility of the customer to annually certify, by forms provided by the utility, the continued compliance with the foregoing qualifications.

**Farm Discount:**

Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional 10% discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Energy Conservation Charge:**

The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**

The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission Charge:**

The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge

**Meter Reading and Billing:**

Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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



**Residential Time-of-Use Schedule A2 Rate**

**Designation:**

**Available in:**

Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**

Individual residential customers for all domestic uses where service is taken through one On-Peak and Off-Peak meter. Incidental commercial use, not exceeding 20% of the total energy used on the same premises is permitted.

**Character of service:**

A.C. 60 cycles: single phase.

**Customer Charge:**

\$6.50 per month.

**Distribution Energy Charge:**

\$.07998 per Kilowatt-hour for all Kilowatt-hours usage during the On-Peak hours.

\$.01650 per Kilowatt-hour for all Kilowatt-hours usage during the Off-peak hours.

**Definition of Periods:**

The On-Peak period is defined as the hours between 12:00 Noon and 7:00 P.M. Monday through Friday except holidays as listed under the "Granted Holidays" paragraph listed below. The Off-Peak period is defined as the hours between 7:00 P.M. and 12:00 Noon Monday through Friday and all hours Saturday, Sunday and granted holidays as listed below.

**Controlled Water Heater Allowance:**

When a customer regularly uses an electric water heater of a type approved by the Department, 333 kWh will be credited to usage during the Off-Peak period and will be billed at \$.00300 per kWh. All kWh used Off-Peak above 333 kWh will be charged at the regular Off-Peak rate. If less than 333 kWh are used Off-Peak then only that amount of kWh will be billed at \$.00300 per kWh. Water heater with two elements shall be interlocked to prevent simultaneous operation. Service to the water heater will be controlled by a Department owned time switch in an approved outdoor socket.

**Term:**

A customer electing to be billed under this rate must remain on this rate for a minimum of one year. At the end of one year on this rate a customer may elect to remain on this rate or be billed under the Residential A Rate.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Residential Time-of-Use Schedule A2 Rate (cont'd)**

**Budget Billing:**

The customers under this rate will have available to them a budget billing program under which the customer is required to pay a levelized amount to the Department each billing period during the calendar year. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Low Income Discount**

The Customer Charge under this rate will be waived upon verification of a low-income customer's receipt of any means-tested public benefit, or verification of eligibility for the low-income home energy assistance program, or its successor program, for which eligibility does not exceed 200 percent of the federal poverty level based on a household's gross income. In a program year in which maximum eligibility for LIHEAP exceeds 200 percent of the federal poverty level, a household that is income eligible under LIHEAP shall be eligible for the low-income electric discount. It is the responsibility of the customer to annually certify, by forms provided by the utility, the continued compliance with the foregoing qualifications.

**Farm Discount:**

Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional ten percent discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Energy Conservation Charge:**

The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**

The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission Charge:**

The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

**Meter Reading and Billing:**

Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge, Distribution Demand Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Town of Reading, Massachusetts  
Municipal Light Department**

**MDPU # 252 supersedes  
and cancels MDPU # 239**

**Residential Time-of-Use Schedule A2 Rate (cont'd)**

**Granted Holidays**

Under the Residential Time-of-Use Schedule A2 Rate the holidays granted for Off-Peak are: New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Columbus Day, Veteran's Day and Christmas Day.

**General Terms and Conditions:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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



**Town of Reading, Massachusetts  
Municipal Light Department**

**MDPU # 253 supersedes  
and cancels MDPU # 240**

**Commercial Schedule C Rate**

**Designation:**

Commercial C Rate

**Available in:**

Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**

Service under this rate is available to industrial or commercial customers who take all their requirements under this rate. All electricity furnished under this rate will be metered through one service unless it is convenient for the Department to do otherwise.

**Character of service:**

AC 60 cycles: single phase or three phase.

**Customer Charge:**

\$7.05 per month.

**Distribution Demand Charge:**

\$7.38 per Kilowatt for all demand usage.

**Distribution Energy Charge:**

\$.01566 per Kilowatt-hour for all Kilowatt-hours usage.

**Budget Billing:**

The customers under the C Rate may elect the Budget Billing program under which the customer is required to pay the levelized amount to the Department each billing period during the calendar year. This rate is not available to C Rate Customers electing the Contract Demand Rate, or the Non-Firm Demand Rate. The specifics of this program are outlined in the Department's General Terms and Conditions.

**Energy Conservation Charge:**

The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**

The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission Charge:**

The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Commercial Schedule C Rate (cont'd)**

**Measurement of Billing Demand:**

The billing demand shall be the highest of the fifteen minute kilowatt demand established during the billing period, but not less than eighty percent of the maximum demand established during the preceding summer season or sixty percent of the maximum demand established during the winter season.

**Definitions of Seasons:**

The summer season is defined as the months of June through September and the winter season is defined as the months of October through May.

**Farm Discount:**

Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional ten percent discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Customer Transformer Ownership:**

A customer requiring a minimal transformer capacity of over 2,000 kW will be required to furnish its own transforming and protective equipment, including mat, vault, primary and secondary cables, conduits, etc., which must comply with the specifications of the Department. The following discounts apply when the above is complied with:

\$.12 per kilowatt of demand when the service is taken at 2,400/4,160 volts.

\$.25 per Kilowatt of demand when the service is taken at 13,800 volts.

\$.375 per Kilowatt of demand when the service is taken at 34,500 volts.

**Metering:**

The Department may, at its option, meter at the customer's utilization voltage or on the high side of the transformers through which the service is furnished.

In the latter case, or if the customer's utilization voltage requires no transformation, a discount of 1.8% will be applied to the bill but in no case will such a discount be allowed if the metering voltage is less than 2,400 volts.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Town of Reading, Massachusetts  
Municipal Light Department**

**MDPU # 253 supersedes  
and cancels MDPU # 240**

**Commercial Schedule C Rate (cont'd)**

**Meter Reading and Billing:**

Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge, Distribution Demand Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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



**Town of Reading, Massachusetts  
Municipal Light Department**

**MDPU # 254 supersedes  
and cancels MDPU # 241**

**Industrial Time-of-Use Schedule I Rate**

**Designation:**

Industrial Time-of-Use I Rate

**Available in:**

Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**

Service under this rate is available to industrial or commercial customers who take all their requirements under this rate. All electricity furnished under this rate will be metered using an electronic meter capable of metering On-Peak and Off-Peak energy as well as kW demand.

**Character of service:**

A.C. 60 cycles: single phase or three phase.

**Customer Charge:**

\$32.52 per month.

**Distribution Demand Charge:**

\$8.13 per Kilowatt for all demand usage.

**Definition of Periods:**

The On-Peak period is defined as the hours between 12:00 Noon and 7:00 P.M., Monday through Friday except holidays as listed below. The Off-Peak period is defined as the hours between 7:00 P.M. and 12:00 Noon, Monday through Friday and all hours Saturday, Sunday and granted holidays as listed below.

**Term:**

A customer electing to be billed under this rate must remain on this rate for a minimum of one year. At the end of one year on this rate a customer may elect to remain on this rate or be billed under the Commercial C Rate.

**Energy Conservation Charge:**

The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**

The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Industrial Time-of-Use Schedule I Rate (cont'd)**

**Purchase Power Capacity and Transmission Charge:**

The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

**Measurement of Billing Demand:**

The Billing demand shall be the highest of the fifteen minute On Peak kilowatt demand established during the billing period, but not less than eighty percent of the maximum On Peak demand established during the preceding summer season or sixty percent of the maximum On Peak demand established during the winter season.

The summer season is defined as the months of June through September and the winter season is defined as the months of October through May.

**Farm Discount:**

Customers who meet the eligibility requirements set forth by the Massachusetts Department of Food and Agriculture for being engaged in the business of agriculture or farming, and upon certification to the RMLD by the Massachusetts Department of Food and Agriculture, will be eligible for an additional ten percent discount, prior to the RMLD prompt payment discount, on rates and charges applicable on their monthly billing statement.

**Customer Transformer Ownership:**

A customer requiring a minimal transformer capacity of over 2000 kW will be required to furnish its own transforming and protective equipment, including mat, vault, primary and secondary cables, conduits, etc., which must comply with the specifications of the Department. The following discounts apply when the above is complied with:

\$ .12 per Kilowatt of demand when the service is taken at 2,400/4,160 volts.

\$ .25 per Kilowatt of demand when the service is taken at 13,800 volts.

\$ .375 per Kilowatt of demand when the service is taken at 34,500 volts.

**Metering:**

The Department may, at its option, meter at the customer's utilization voltage or on the high side of the transformer through which the service is furnished. In the latter case, or if the customer's utilization voltage requires no transformation, a discount of 1.8% will be applied to the bill but in no case will such discount be allowed if the metering voltage is less than 2,400 voltage

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Town of Reading, Massachusetts  
Municipal Light Department**

**MDPU # 254 supersedes  
and cancels MDPU # 241**

**Industrial Time-of-Use Schedule I Rate (cont'd)**

**Meter Reading and Billing:**

Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge, Distribution Demand Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**Granted Holidays**

Under the Industrial Time-of-Use Schedule I Rate the holidays granted for Off-Peak are; New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Columbus Day, Veteran's Day and Christmas Day.

**General Terms and Conditions:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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



**School Schedule SCH Rate**

**Designation:**

School SCH Rate

**Available in:**

Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**

Applicable to public or private schools offering kindergarten, regular elementary, middle, and high school as approved by the Department, who take all their requirements under this rate. All electricity furnished under this rate will be metered through one service unless it is convenient for the Department to do otherwise.

**Character of service:**

AC 60 cycles: single phase or three phase.

**Customer Charge:**

\$6.50 per month.

**Distribution Demand Charge:**

\$6.80 per Kilowatt for all demand usage.

**Distribution Energy Charge:**

\$.01073 per Kilowatt-hour for all Kilowatt-hours usage.

**Budget Billing:**

The customers under the School Rate may elect the Budget Billing program under which the customer is required to pay levelized amount to the Department each billing period during the calendar year.

**Energy Conservation Charge:**

The bill for service hereunder may be increased or decreased as provided by the Energy Conservation Charge.

**Fuel Adjustment:**

The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**School Schedule SCH Rate (cont'd)**

**Purchase Power Capacity and Transmission Charge:**

The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

**Measurement of Billing Demand:**

The billing demand shall be the highest of the fifteen minute Kilowatt demand established during the billing period, but not less than eighty percent of the maximum demand established during the preceding summer season or sixty percent of the maximum demand established during the winter season.

**Definitions of Seasons:**

The summer season is defined as the months of June through September and the winter season is defined as the months of October through May.

**Customer Transformer Ownership:**

A customer requiring a minimal transformer capacity of over 2000 kW will be required to furnish its own transforming and protective equipment, including mat, vault, primary and secondary cables, conduits, etc., which must comply with the specifications of the Department. The following discounts apply when the above is complied with:

\$.12 per kilowatt of demand when the service is taken at 2,400/4,160 volts.

\$.25 per Kilowatt of demand when the service is taken at 13,800 volts.

\$.375 per Kilowatt of demand when the service is taken at 34,500 volts.

**Metering:**

The Department may, at its option, meter at the customer's utilization voltage or on the high side of the transformers through which the service is furnished.

In the latter case, or if the customer's utilization voltage requires no transformation, a discount of 1.8% will be applied to the bill but in no case will such a discount be allowed if the metering voltage is less than 2,400 volts.

**Meter Reading and Billing:**

Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge, Distribution Demand Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Town of Reading, Massachusetts  
Municipal Light Department**

**MDPU # 255 supersedes  
and cancels MDPU # 242**

**School Schedule SCH Rate (cont'd)**

**General Terms:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2015  
Effective: On Billings on or After July 1, 2015  
Filed By: Coleen M. O'Brien, General Manager**



**Private Street Lighting Rate Schedule D**

**Designation:**

Street Light D Rate

**Available:**

Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**

Street and Area Light service on all public, private, and unaccepted streets and areas where the Department has facilities for supplying electricity and where the installation work involved is limited to the necessary lighting unit and connection on the same pole. This Schedule does not apply to Public Street Lighting Service supplied directly to the Municipalities.

**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> |
|-------------------------------------|-----------------------|-------------------|
| 100 Watt Mercury                    | 57.99                 | 500               |
| 175 Watt Mercury                    | 64.46                 | 860               |
| 400 Watt Mercury                    | 106.90                | 1,900             |
| 50 Watt HPS                         | 66.78                 | 240               |
| 100 Watt HPS                        | 85.23                 | 500               |
| 250 Watt HPS                        | 112.54                | 1,200             |
| 400 Watt HPS                        | 156.32                | 1,900             |
| 25 Watt LED - Standard              | 56.28                 | 100               |
| 42 Watt LED – Non - Standard        | 62.80                 | 168               |
| 101 Watt LED – Non - Standard       | 101.24                | 404               |
| 93 Watt LED Flood - Standard        | 144.88                | 372               |
| 134 Watt LED Flood – Non - Standard | 177.39                | 536               |

**Note:** Mercury lamps will no longer be supplied for new installations.

**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.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Town of Reading, Massachusetts  
Municipal Light Department**

**MDPU # 256 supersedes  
and cancels MDPU # 248**

**Private Street Lighting Rate Schedule D (cont'd)**

**Purchase Power Capacity and Transmission Charge:**

The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission Charge.

The Purchase Power Capacity and Transmission Charge will appear on the bill as the monthly charge multiplied by one twelfth of the Annual kWh shown above for each Fixture Type.

**Extra Pole Cost**

When an extra pole is required, specifically for street lighting, there will be an extra cost based upon pole size, including up to 100 feet of secondary.

|                                 |                  |
|---------------------------------|------------------|
| 30 foot or 35 foot Class 4 pole | \$44.00 per year |
| 40 foot Class 4 pole            | \$48.00 per year |

**Meter Reading and Billing:**

Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the current bill, excluding Fuel and Purchased Power Capacity and Transmission Charges, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Town of Reading, Massachusetts**

**MDPU # 257 supersedes  
and cancels MDPU #249**

**Municipal Light Department**

**Municipal LED Street Lighting Rate**

**Designation:**

LED Street Light Rate

**Available:**

Reading, Lynnfield Center, North Reading, and Wilmington

**Applicable to:**

Public Street Light service using LED fixtures supplied directly to the Municipalities where the Department has private facilities for supplying electricity and where the installation work involved is limited to the necessary lighting unit and connection to 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 – Standard              | 21.81                 | 100               |
| 42 Watt LED – Non-Standard          | 22.43                 | 168               |
| 101 Watt LED – Non - Standard       | 29.43                 | 404               |
| 93 Watt LED Flood - Standard        | 44.65                 | 372               |
| 134 Watt LED Flood – Non - Standard | 51.29                 | 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: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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



**Town of Reading, Massachusetts**

**MDPU # 257 supersedes  
and cancels MDPU #249**

**Municipal Light Department**

**Extra Pole Cost**

When an extra pole is required, specifically for street lighting, there will be an extra cost based upon pole size, including up to 100 feet of secondary.

|                                 |                  |
|---------------------------------|------------------|
| 30 foot or 35 foot Class 4 pole | \$44.00 per year |
| 40 foot Class 4 pole            | \$48.00 per year |

**Meter Reading and Billing:**

Bills under this schedule will be rendered monthly. A prompt payment discount of 10% will be allowed on the current bill, excluding fuel adjustment charges, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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

**Cooperative Resale Schedule G Rate**

**Designation:**

Cooperative G Rate

**Available in:**

Available to municipal lighting plants and private companies whose service territory is adjacent to the service territory of the Department and for distribution to such customers that cannot be served from the existing distribution lines, provided that the Department has available facilities for furnishing the service

**Character of Service:**

A.C. 60 cycles: single phase.

**Customer Charge:**

\$3.78 per month.

**Distribution Energy Charge:**

\$.04481 per Kilowatt-hour for all Kilowatt-hours usage.

**Fuel Adjustment:**

The bill for service hereunder may be increased or decreased as provided by the Standard Fuel Adjustment Clause.

**Purchase Power Capacity and Transmission Charge:**

The bill for service hereunder may be increased or decreased as provided by the Purchase Power Capacity and Transmission.

**Meter Reading and Billing:**

Bills under this schedule will be rendered monthly. A prompt payment discount of 15% will be allowed on the Customer Charge and Distribution Energy Charge, only if the entire bill is paid-in-full by the discount due date.

**General Terms and Conditions:**

Service hereunder is subject to the General Terms and Conditions which are incorporated herein and are a part of this rate schedule.

**Rate Filed: June 30, 2015**

**Effective: On Billings on or After July 1, 2015**

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



# Engineering & Operations Report

June 25, 2015, Meeting  
for May 2015 Reporting Period

Hamid Jaffari, Director of Engineering & Operations



# Capital Improvement Projects

- Pole Line Upgrade – Lowell Street Wilmington
- Upgrade Old Lynnfield Center URDs (Cook's Farm)
- West Street – Force Account, Reading
- Service Installations – Commercial/Industrial
- Service Installations – Residential
- Routine Construction

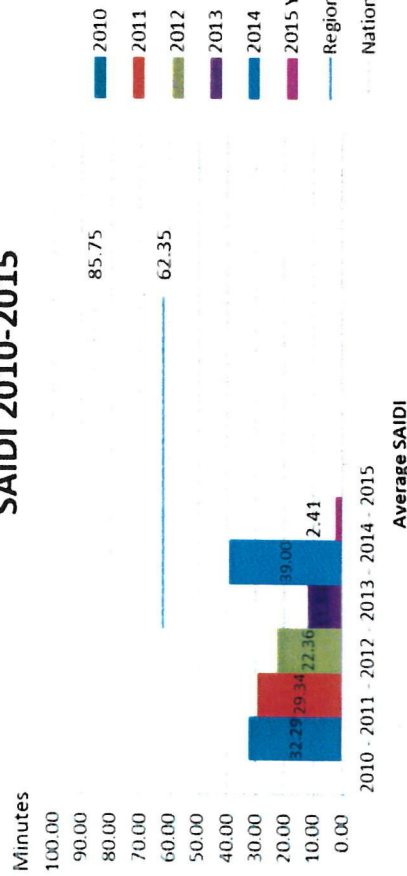
# Routine Maintenance

- ▶ Transformer Replacement
- ▶ Pole Inspection
- ▶ Visual Inspection of OH Lines
- ▶ Manhole Inspection
- ▶ Porcelain Cutout Replacement
- ▶ Substation Maintenance
  - ▶ Infrared Scanning
- ▶ Tree Trimming

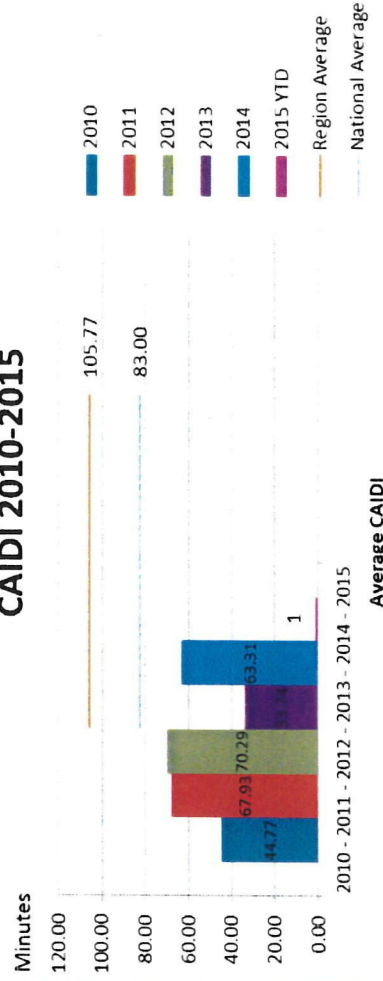


# Reliability exceeds regional and local indices . . .

SAIDI 2010-2015

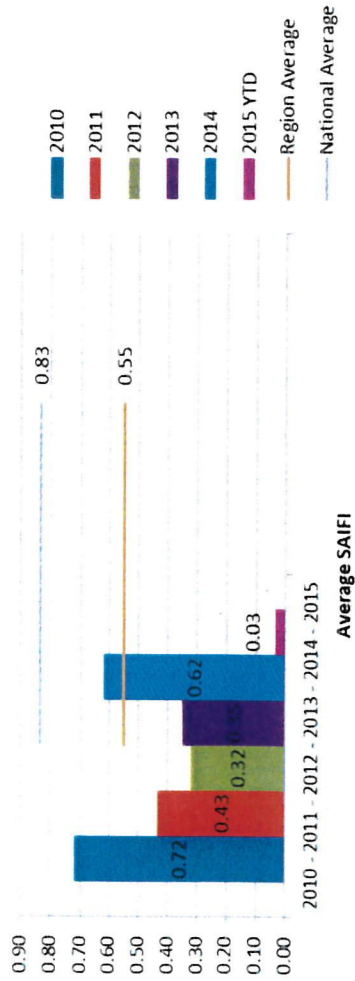


CAIDI 2010-2015



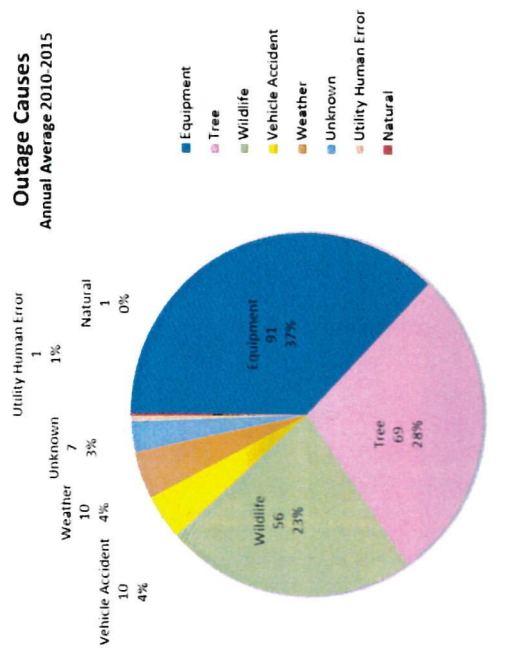


## SAIFI 2010-2015



$$SAIFI = \frac{\text{Total Number of Customer Interruptions}}{\text{Total Number of Customers Served}}$$

## Outages Causes Calendar YTD (from eReliability website)



# Questions ?





# READING MUNICIPAL LIGHT DEPARTMENT

## Engineering and Operations Monthly Report

May 2015

### ***CAPITAL IMPROVEMENTS***

| <b>Construction Projects:</b>              |   | <b>% Complete<br/>FY14-15<br/>Status</b> | <b>Month</b> | <b>YTD</b> |
|--|---|--|--------------|------------|
| 102  | Pole Line Upgrade- Lowell Street, Wilmington  | 70%                                      | \$42,719     | \$160,038  |
| 104  | Upgrade Old Lynnfield Center URDs (Cook's Farm)   | 50%                                      | \$20,848     | \$76,935   |
| 212  | West Street – Force Account, Reading  | 55%                                      | \$31,702     | \$56,612   |
| <b>New Customer Service Connections:</b>   |   |  |              |            |
| 112  | Service Installations – Commercial/Industrial:  | On-going                                 |              | \$12,465   |
| 113  | Service Installations – Residential:<br>This item includes new or upgraded overhead and underground services. | On-going                                 | \$7,800      | \$120,033  |
| <b>Special Projects/Capital Purchases:</b> |   |  |              |            |
| 116  | Transformers and Capacitors   | n/a                                      | \$3,300      | \$148,280  |
| 117  | Meter Purchases/500 Club (RF Mesh Network)  |  | \$52,397     | \$107,568  |
| 126  | Communication Equipment (Fiber Optic)   | n/a                                      | \$1,064      | \$5,764    |
| 135  | Arc Flash Study   | 100%                                     | \$19,629     | \$21,721   |
| 137  | SCADA System Upgrade  | 100%                                     | \$2,725      | \$39,006   |



| <b>Routine Construction:</b>   | <b>May</b>        | <b>YTD</b>          |
|--|-------------------|---------------------|
| Pole Setting/Transfers   | 30,785            | 388,773             |
| Overhead/Underground   | 18,997            | 426,376             |
| Projects Assigned as Required <ul style="list-style-type: none"> <li>Hillview Country Club, North Reading</li> <li>Fiber Framing</li> <li>Ballardvale Street, W</li> <li>Comcast make-ready work, North Reading</li> </ul> | 5,528             | 293,030             |
| Pole Damage/Knockdowns <ul style="list-style-type: none"> <li>Work was done to repair or replace four (4) poles.</li> </ul>  | 3,939             | 46,274              |
| Station Group  |                   | 115,581             |
| Hazmat/Oil Spills  |                   | 3,831               |
| Porcelain Cutout Replacement Program   | 492               | 26,104              |
| Lighting (Street Light Connections)  | 242               | 20,869              |
| Storm Trouble  |                   | 35,672              |
| Underground Subdivisions (new construction) <ul style="list-style-type: none"> <li>McGrane Road Subdivision, W</li> </ul>  | 3,105             | 60,488              |
| Animal Guard Installation  | 1,019             | 6,831               |
| Miscellaneous Capital Costs  | 73,224            | 254,300             |
| <b>TOTAL:</b>  | <u>\$ 148,867</u> | <u>\$ 1,678,130</u> |

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## MAINTENANCE PROGRAMS

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### Aged/Overloaded Transformer Replacement through May 31, 2015

#### Padmount:

Single-Phase: 12.66% replaced (of those over 20 years old)

Three-Phase: 7.69% replaced (of those over 20 years old)

#### Overhead:

Single-Phase: 10% replaced (of those over 20 years old)

Three-Phase: 3.33% replaced (of those over 20 years old)

---

### Pole Testing System-wide (600-1,000 poles/year) (as of 6/16/2015)

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

- 390 silver tag (PASSED)
- 233 red tag (FAILED): **83 have been replaced**
- 22 double red tag (CONDEMNED): **22 have been replaced**

**46 of 105 transfers have been completed**

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

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

*Miscellaneous branches and vines were found and removed.*

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### Manhole Inspections

*Pending.*

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### Porcelain Cutout Replacements (with Polymer)

As of May 31, 2015, there are 284 remaining porcelain cutouts to be replaced. 90% complete.

---

### Substations:

#### Infrared Scanning (Monthly)

---

|           |  |
|-----------|--|
| Station 3 | Scanning complete through May – no hot spots found |
|-----------|--|

---

|           |  |
|-----------|--|
| Station 4 | Scanning complete through May – no hot spots found |
|-----------|--|

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|           |  |
|-----------|--|
| Station 5 | Scanning complete through May – no hot spots found |
|-----------|--|

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#### Substation Maintenance Program

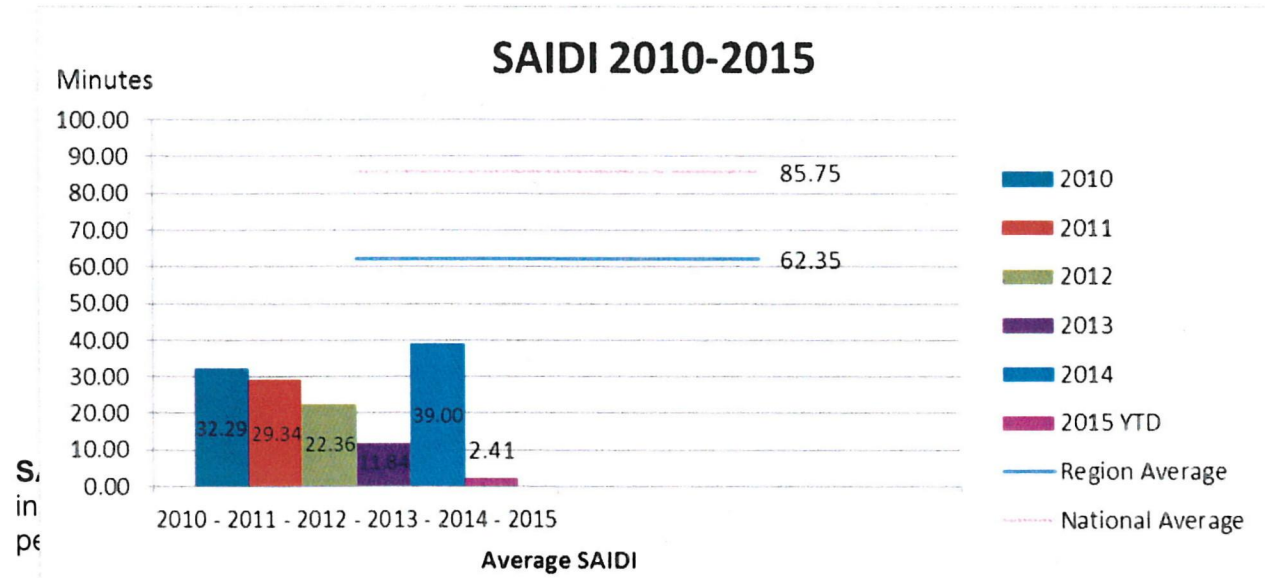
- *Inspection of all three stations by UPG in progress. 100% complete*
-

## SYSTEM RELIABILITY

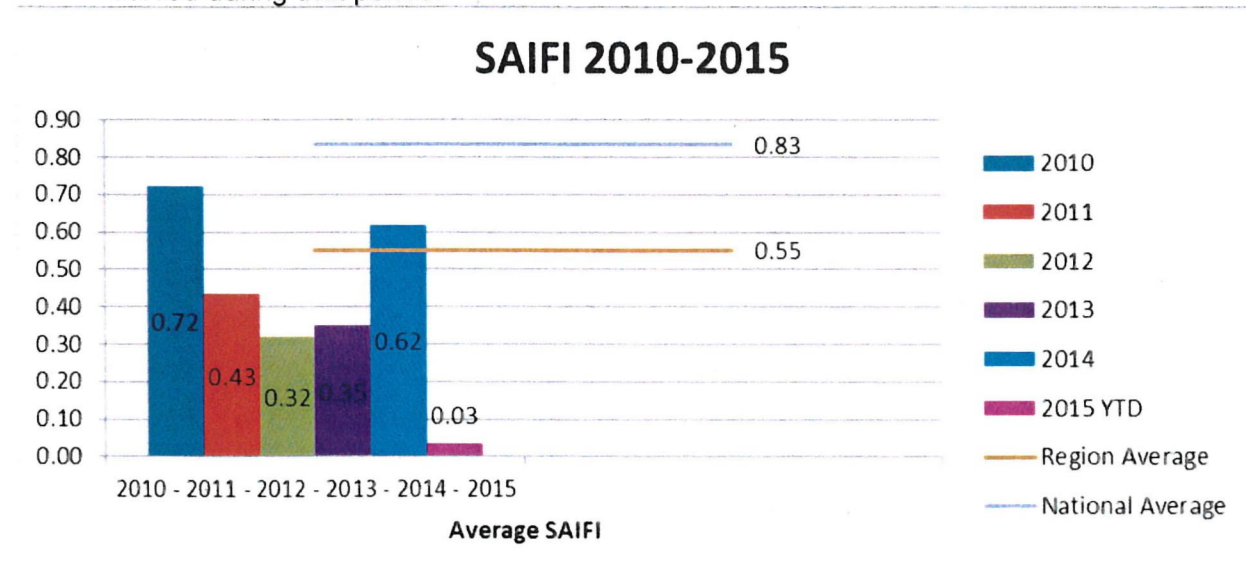
Key industry standard metrics have been identified to enable the RMLD to measure and track system reliability.

**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.

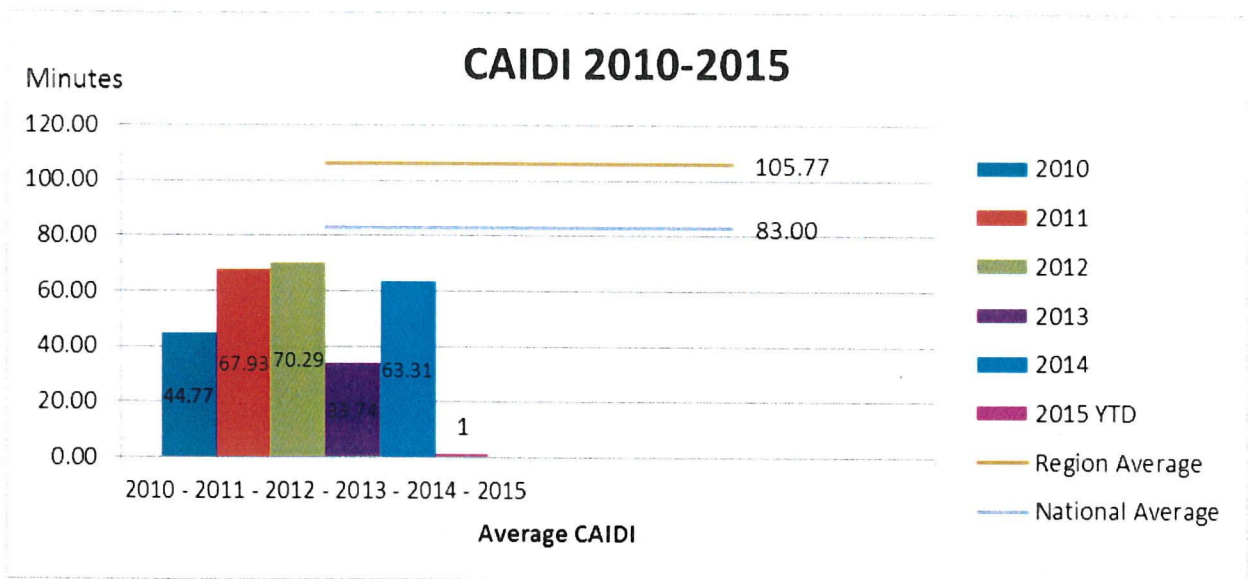


SAIFI = the total number of customer interruptions ÷ average number of customers served during that period.



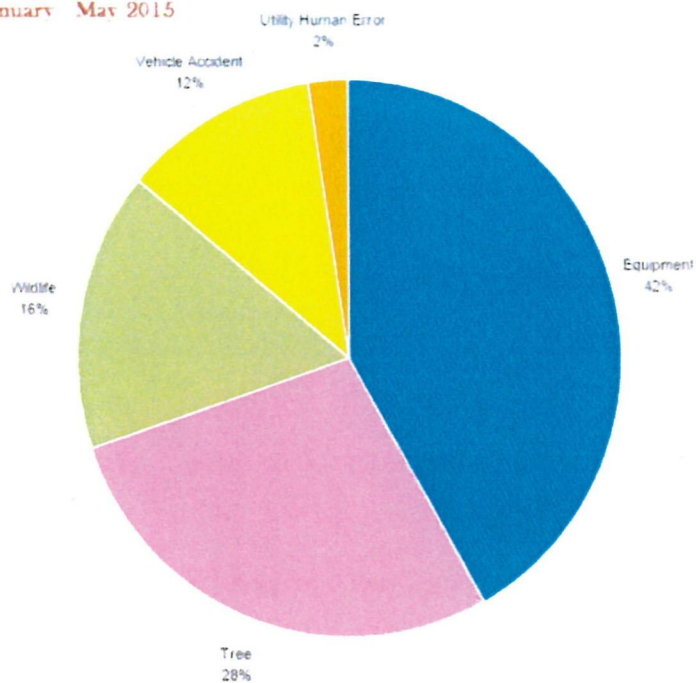
CAIDI = the sum of all customer interruption durations during that time period ÷ the number of customers that experienced one or more interruptions during that time period.



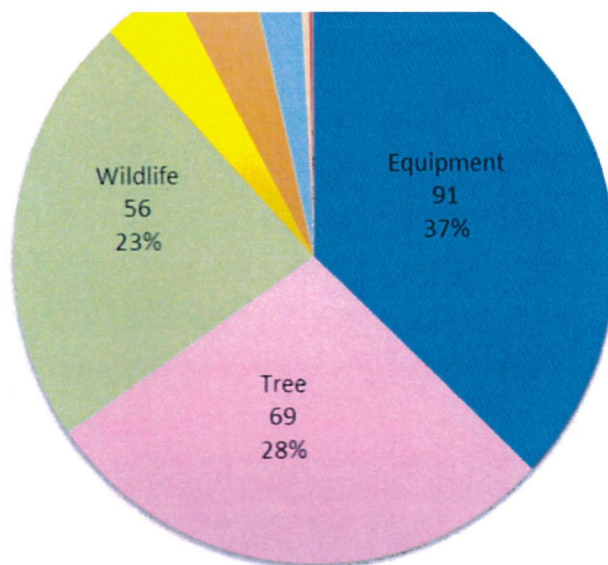


Outages Causes Calendar YTD (from eReliability website)

January May 2015

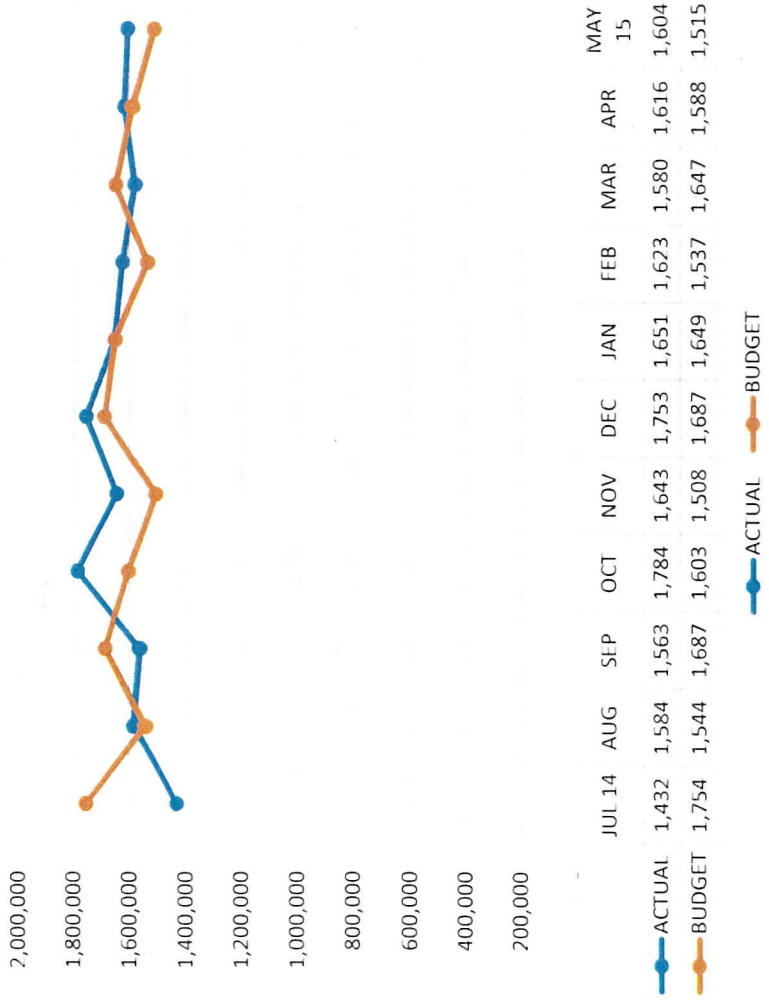


| Outage Cause        | Count |
|---------------------|-------|
| Equipment           | 16    |
| Tree                | 12    |
| Wildlife            | 7     |
| Vehicle Accident    | 5     |
| Utility Human Error | 1     |
| Total               | 43    |



- Equipment
- Tree
- Wildlife
- Vehicle Accident
- Weather
- Unknown
- Utility Human Error
- Natural

OPERATING AND MAINTENANCE  
BUDGET VERSUS ACTUAL EXPENSES





Dt: June 24, 2015

To: RMLB, Coleen O'Brien, Jeanne Foti

Fr: Bob Fournier

**Sj: May 31, 2015 Report**

The results for the first eleven months ending May 31, 2015, for the fiscal year 2015 will be summarized in the following paragraphs.

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

\*For the month of May, the net profit or the positive change in net assets was \$818,123.99 thereby increasing the year to date net income to \$3,441,637. The year to date budgeted net income was \$2,531,246 resulting in net income being over budget by \$910,391 or 35.97%. Actual year to date fuel revenues exceeded fuel expenses by \$1,240,858 and purchased power capacity and transmission (ppct) revenues exceed ppct expenses by \$352,506.

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

\*Year to date base revenues were under budget by \$341,641 or 1.7%. Actual base revenues were \$19.7 million compared to the budgeted amount of \$20.6 million.

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

\*Year to date purchased power base expense was over budget by \$415,655 or 1.6%. Actual purchased power base costs were 26.5 million and budgeted power base costs were \$26.1 million.

\*Year to date operating and maintenance (O&M) expenses combined were over budget by \$151,274 or 1.2%. Actual O&M expenses were \$13.0 million while budgeted expenses were at \$12.9 million.

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

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

- \*Operating Fund was at \$9,402,133.
- \* Capital Fund balance was at \$5,691,478.
- \* Rate Stabilization Fund was at \$6,766,601.
- \* Deferred Fuel Fund was at \$5,373,553.
- \* Energy Conservation Fund was at \$624,890.

**5) General Information:**

\*Year to date kwh sales (Page 5) were 634,198,422 which is 1,313,791 million kwh or .21%, ahead last year's actual figure.

**6) Budget Variance:**

\*Cumulatively (Page 15), the five divisions were over budget by \$115,340 or .58%

# **FINANCIAL REPORT**

**MAY 31, 2015**

**ISSUE DATE: JUNE 24, 2015**

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF NET ASSETS  
5/31/2015

|   |              | PREVIOUS YEAR         | CURRENT YEAR          |
|---|--------------|-----------------------|-----------------------|
| <b>ASSETS</b>                                   |              |                       |                       |
| <b>CURRENT</b>                                  |              |                       |                       |
| UNRESTRICTED CASH                               | (SCH A P.9)  | 11,657,970.39         | 9,405,133.55          |
| RESTRICTED CASH                                 | (SCH A P.9)  | 18,077,779.48         | 22,942,848.80         |
| RESTRICTED INVESTMENTS                          | (SCH A P.9)  | 1,250,000.00          | 1,292,906.26          |
| RECEIVABLES, NET                                | (SCH B P.10) | 5,570,983.16          | 9,189,137.52          |
| PREPAID EXPENSES                                | (SCH B P.10) | 1,101,078.61          | 1,818,316.27          |
| INVENTORY                                       |              | 1,400,830.71          | 1,662,933.40          |
| <b>TOTAL CURRENT ASSETS</b>                     |              | <u>39,058,642.35</u>  | <u>46,311,275.80</u>  |
| <b>NONCURRENT</b>                               |              |                       |                       |
| INVESTMENT IN ASSOCIATED CO                     | (SCH C P.2)  | 31,379.32             | 26,993.75             |
| CAPITAL ASSETS, NET                             | (SCH C P.2)  | 70,121,704.61         | 69,715,489.17         |
| <b>TOTAL NONCURRENT ASSETS</b>                  |              | <u>70,153,083.93</u>  | <u>69,742,482.92</u>  |
| <b>TOTAL ASSETS</b>                             |              | <u>109,211,726.28</u> | <u>116,053,758.72</u> |
| <b>LIABILITIES</b>                              |              |                       |                       |
| <b>CURRENT</b>                                  |              |                       |                       |
| ACCOUNTS PAYABLE                                |              | 5,784,186.76          | 6,166,183.69          |
| CUSTOMER DEPOSITS                               |              | 756,207.83            | 849,517.02            |
| CUSTOMER ADVANCES FOR CONSTRUCTION              |              | 395,663.98            | 768,882.48            |
| ACCRUED LIABILITIES                             |              | 53,294.21             | 35,333.18             |
| <b>TOTAL CURRENT LIABILITIES</b>                |              | <u>6,989,352.78</u>   | <u>7,819,916.37</u>   |
| <b>NONCURRENT</b>                               |              |                       |                       |
| ACCRUED EMPLOYEE COMPENSATED ABSENCES           |              | 2,885,367.88          | 2,918,870.73          |
| <b>TOTAL NONCURRENT LIABILITIES</b>             |              | <u>2,885,367.88</u>   | <u>2,918,870.73</u>   |
| <b>TOTAL LIABILITIES</b>                        |              | <u>9,874,720.66</u>   | <u>10,738,787.10</u>  |
| <b>NET ASSETS</b>                               |              |                       |                       |
| INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT |              | 70,204,879.70         | 69,715,489.17         |
| RESTRICTED FOR DEPRECIATION FUND (P.9)          |              | 4,316,189.56          | 5,691,478.73          |
| UNRESTRICTED                                    |              | 24,899,111.45         | 29,908,003.72         |
| <b>TOTAL NET ASSETS</b>                         | (P.3)        | <u>99,337,005.62</u>  | <u>105,314,971.62</u> |
| <b>TOTAL LIABILITIES AND NET ASSETS</b>         |              | <u>109,211,726.28</u> | <u>116,053,758.72</u> |



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
NONCURRENT ASSET SCHEDULE  
5/31/2015

SCHEDULE C

|   | PREVIOUS YEAR        | CURRENT YEAR         |
|---|----------------------|----------------------|
| SCHEDULE OF INVESTMENTS IN ASSOCIATED COMPANIES |                      |                      |
| NEW ENGLAND HYDRO ELECTRIC                      | 3,261.87             | 2,975.74             |
| NEW ENGLAND HYDRO TRANSMISSION                  | 28,117.45            | 24,018.01            |
| TOTAL INVESTMENTS IN ASSOCIATED COMPANIES       | <u>31,379.32</u>     | <u>26,993.75</u>     |
| <br>SCHEDULE OF CAPITAL ASSETS                  |                      |                      |
| LAND  | 1,265,842.23         | 1,265,842.23         |
| STRUCTURES AND IMPROVEMENTS                     | 6,430,639.92         | 6,367,468.38         |
| EQUIPMENT AND FURNISHINGS                       | 13,003,686.79        | 12,565,774.17        |
| INFRASTRUCTURE                                  | <u>49,421,535.67</u> | <u>49,516,404.39</u> |
| TOTAL CAPITAL ASSETS, NET                       | <u>70,121,704.61</u> | <u>69,715,489.17</u> |
| <br>TOTAL NONCURRENT ASSETS                     | <u>70,153,083.93</u> | <u>69,742,482.92</u> |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
5/31/2015

|                                  | MONTH<br>LAST YEAR  | MONTH<br>CURRENT YEAR | LAST YEAR<br>TO DATE | CURRENT YEAR<br>TO DATE | YTD %<br>CHANGE |
|----------------------------------|---------------------|-----------------------|----------------------|-------------------------|-----------------|
| OPERATING REVENUES: (SCH D P.11) |                     |                       |                      |                         |                 |
| BASE REVENUE                     | 3,470,212.67        | 1,582,056.77          | 42,443,480.96        | 19,718,591.36           | -53.54%         |
| FUEL REVENUE                     | 3,152,035.67        | 2,954,806.93          | 30,615,412.86        | 31,687,066.76           | 3.50%           |
| PURCHASED POWER CAPACITY         | 258,997.39          | 2,140,988.70          | 974,872.10           | 26,857,018.39           | 2654.93%        |
| FORFEITED DISCOUNTS              | 62,385.37           | 36,859.32             | 868,803.54           | 747,552.25              | -13.96%         |
| ENERGY CONSERVATION REVENUE      | 47,740.23           | 52,448.28             | 622,933.84           | 620,627.19              | -0.37%          |
| GAW REVENUE                      | 0.00                | 0.00                  | 489,669.08           | 0.00                    | -100.00%        |
| NYPA CREDIT                      | (29,075.65)         | (129,361.54)          | (984,474.99)         | (957,893.04)            | -2.70%          |
| TOTAL OPERATING REVENUES         | 6,962,295.68        | 6,637,798.46          | 75,030,697.39        | 78,672,962.91           | 4.85%           |
| OPERATING EXPENSES: (SCH E P.12) |                     |                       |                      |                         |                 |
| PURCHASED POWER CAPACITY         | 1,400,178.92        | 1,535,658.77          | 15,861,081.80        | 15,808,238.16           | -0.33%          |
| PURCHASED POWER TRANSMISSION     | 637,406.21          | 608,787.17            | 10,207,344.52        | 10,696,274.17           | 4.79%           |
| PURCHASED POWER FUEL             | 1,729,892.46        | 2,012,238.83          | 29,953,770.82        | 29,488,315.64           | -1.55%          |
| OPERATING                        | 904,215.43          | 901,438.44            | 8,987,593.13         | 10,015,111.34           | 11.43%          |
| MAINTENANCE                      | 290,889.18          | 263,533.73            | 2,614,512.54         | 2,994,945.13            | 14.55%          |
| DEPRECIATION                     | 314,969.55          | 321,788.79            | 3,464,665.05         | 3,539,676.69            | 2.17%           |
| VOLUNTARY PAYMENTS TO TOWNS      | 116,666.67          | 118,000.00            | 1,281,850.35         | 1,288,754.00            | 0.54%           |
| TOTAL OPERATING EXPENSES         | 5,394,218.42        | 5,761,445.73          | 72,370,818.21        | 73,831,315.13           | 2.02%           |
| OPERATING INCOME                 | 1,568,077.26        | 876,352.73            | 2,659,879.18         | 4,841,647.78            | 82.03%          |
| NONOPERATING REVENUES (EXPENSES) |                     |                       |                      |                         |                 |
| CONTRIBUTIONS IN AID OF CONST    | 3,654.12            | 48,362.84             | 53,637.02            | 173,464.84              | 223.41%         |
| RETURN ON INVESTMENT TO READING  | (212,743.27)        | (194,405.26)          | (2,130,427.45)       | (2,138,457.80)          | 0.38%           |
| INTEREST INCOME                  | 12,162.91           | 14,575.72             | 69,556.14            | 117,923.16              | 69.54%          |
| INTEREST EXPENSE                 | (252.25)            | (251.55)              | (3,944.98)           | (4,048.05)              | 2.61%           |
| OTHER (MDSE AND AMORT)           | 4,893.96            | 73,489.51             | 371,126.92           | 451,107.53              | 21.55%          |
| TOTAL NONOPERATING REV (EXP)     | (192,284.53)        | (58,228.74)           | (1,640,052.35)       | (1,400,010.32)          | -14.64%         |
| CHANGE IN NET ASSETS             | <u>1,375,792.73</u> | <u>818,123.99</u>     | 1,019,826.83         | 3,441,637.46            | 237.47%         |
| NET ASSETS AT BEGINNING OF YEAR  |                     |                       | 98,317,178.79        | 101,873,334.16          | 3.62%           |
| NET ASSETS AT END OF MAY         |                     |                       | <u>99,337,005.62</u> | <u>105,314,971.62</u>   | 6.02%           |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
5/31/2015

|                                   | ACTUAL<br>YEAR TO DATE | BUDGET<br>YEAR TO DATE | VARIANCE*      | %<br>CHANGE |
|-----------------------------------|------------------------|------------------------|----------------|-------------|
| OPERATING REVENUES: (SCH F P.11B) |                        |                        |                |             |
| BASE REVENUE                      | 19,718,591.36          | 20,060,233.00          | (341,641.64)   | -1.70%      |
| FUEL REVENUE                      | 31,687,066.76          | 33,807,123.00          | (2,120,056.24) | -6.27%      |
| PURCHASED POWER CAPACITY          | 26,857,018.39          | 26,652,445.00          | 204,573.39     | 0.77%       |
| FORFEITED DISCOUNTS               | 747,552.25             | 1,016,974.00           | (269,421.75)   | -26.49%     |
| ENERGY CONSERVATION REVENUE       | 620,627.19             | 633,910.00             | (13,282.81)    | -2.10%      |
| NYPA CREDIT                       | (957,893.04)           | (641,663.00)           | (316,230.04)   | 49.28%      |
| TOTAL OPERATING REVENUES          | 78,672,962.91          | 81,529,022.00          | (2,856,059.09) | -3.50%      |
| OPERATING EXPENSES: (SCH G P.12A) |                        |                        |                |             |
| PURCHASED POWER CAPACITY          | 15,808,238.16          | 14,955,359.00          | 852,879.16     | 5.70%       |
| PURCHASED POWER TRANSMISSION      | 10,696,274.17          | 11,133,498.00          | (437,223.83)   | -3.93%      |
| PURCHASED POWER FUEL              | 29,488,315.64          | 33,587,932.00          | (4,099,616.36) | -12.21%     |
| OPERATING                         | 10,015,111.34          | 9,887,762.00           | 127,349.34     | 1.29%       |
| MAINTENANCE                       | 2,994,945.13           | 2,971,020.00           | 23,925.13      | 0.81%       |
| DEPRECIATION                      | 3,539,676.69           | 3,567,663.00           | (27,986.31)    | -0.78%      |
| VOLUNTARY PAYMENTS TO TOWNS       | 1,288,754.00           | 1,298,000.00           | (9,246.00)     | -0.71%      |
| TOTAL OPERATING EXPENSES          | 73,831,315.13          | 77,401,234.00          | (3,569,918.87) | -4.61%      |
| OPERATING INCOME                  | 4,841,647.78           | 4,127,788.00           | 713,859.78     | 17.29%      |
| NONOPERATING REVENUES (EXPENSES)  |                        |                        |                |             |
| CONTRIBUTIONS IN AID OF CONST     | 173,464.84             | 200,000.00             | (26,535.16)    | -13.27%     |
| RETURN ON INVESTMENT TO READING   | (2,138,457.80)         | (2,138,455.00)         | (2.80)         | 0.00%       |
| INTEREST INCOME                   | 117,923.16             | 91,663.00              | 26,260.16      | 28.65%      |
| INTEREST EXPENSE                  | (4,048.05)             | (2,750.00)             | (1,298.05)     | 47.20%      |
| OTHER (MDSE AND AMORT)            | 451,107.53             | 253,000.00             | 198,107.53     | 78.30%      |
| TOTAL NONOPERATING REV (EXP)      | (1,400,010.32)         | (1,596,542.00)         | 196,531.68     | -12.31%     |
| CHANGE IN NET ASSETS              | 3,441,637.46           | 2,531,246.00           | 910,391.46     | 35.97%      |
| NET ASSETS AT BEGINNING OF YEAR   | 101,873,334.16         | 101,873,334.16         | 0.00           | 0.00%       |
| NET ASSETS AT END OF MAY          | 105,314,971.62         | 104,404,580.16         | 910,391.46     | 0.87%       |

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
RECONCILIATION OF CAPITAL FUNDS  
5/31/2015

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 | 19,778.51        |
| DEPRECIATION TRANSFER FY 15         | 3,539,676.69     |
| OTHER - LED GRANT                   | <u>62,500.00</u> |
| <br>TOTAL SOURCE OF CAPITAL FUNDS   | <br>8,752,539.79 |

USE OF CAPITAL FUNDS:

|  |                                |
|--|--------------------------------|
| LESS PAID ADDITIONS TO PLANT THRU MAY            | 3,061,061.06                   |
| <br>GENERAL LEDGER CAPITAL FUNDS BALANCE 5/31/15 | <br><u><u>5,691,478.73</u></u> |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SALES OF KILOWATT HOURS  
5/31/2015

| SALES OF ELECTRICITY:         | MONTH<br>LAST YEAR           | MONTH<br>CURRENT YEAR        | LAST YEAR<br>TO DATE          | CURRENT YEAR<br>TO DATE       | YTD %<br>CHANGE |
|-------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-----------------|
| RESIDENTIAL SALES             | 16,817,508                   | 16,868,689                   | 237,916,978                   | 234,873,905                   | -1.28%          |
| COMM. AND INDUSTRIAL SALES    | 29,404,994                   | 34,104,361                   | 366,294,306                   | 369,478,608                   | 0.87%           |
| PRIVATE STREET LIGHTING       | 76,499                       | 79,486                       | 828,601                       | 871,497                       | 5.18%           |
| <br>TOTAL PRIVATE CONSUMERS   | <br><u>46,299,001</u>        | <br><u>51,052,536</u>        | <br><u>605,039,885</u>        | <br><u>605,224,010</u>        | <br>0.03%       |
| <br>MUNICIPAL SALES:          |                              |                              |                               |                               |                 |
| STREET LIGHTING               | 240,064                      | 236,421                      | 2,638,606                     | 2,652,709                     | 0.53%           |
| MUNICIPAL BUILDINGS           | 690,488                      | 779,330                      | 8,869,662                     | 9,006,113                     | 1.54%           |
| <br>TOTAL MUNICIPAL CONSUMERS | <br><u>930,552</u>           | <br><u>1,015,751</u>         | <br><u>11,508,268</u>         | <br><u>11,658,822</u>         | <br>1.31%       |
| SALES FOR RESALE              | 194,075                      | 219,381                      | 3,023,744                     | 3,040,794                     | 0.56%           |
| SCHOOL                        | 1,083,745                    | 1,290,230                    | 13,312,734                    | 14,274,796                    | 7.23%           |
| <br>TOTAL KILOWATT HOURS SOLD | <br><u><u>48,507,373</u></u> | <br><u><u>53,577,898</u></u> | <br><u><u>632,884,631</u></u> | <br><u><u>634,198,422</u></u> | <br>0.21%       |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
KILOWATT HOURS SOLD BY TOWN  
5/31/2015

| MONTH                        | TOTAL              | READING            | LYNNFIELD         | NO. READING        | WILMINGTON         |
|------------------------------|--------------------|--------------------|-------------------|--------------------|--------------------|
| RESIDENTIAL                  | 16,868,689         | 5,492,987          | 2,340,359         | 3,982,217          | 5,053,126          |
| COMM & IND                   | 34,104,361         | 3,876,921          | 235,117           | 5,240,620          | 24,751,703         |
| PVT ST LIGHTS                | 79,486             | 13,418             | 1,490             | 24,811             | 39,767             |
| PUB ST LIGHTS                | 236,421            | 79,302             | 32,136            | 41,184             | 83,799             |
| MUNI BLDGS                   | 779,330            | 196,070            | 157,263           | 134,079            | 291,918            |
| SALES/RESALE                 | 219,381            | 219,381            | 0                 | 0                  | 0                  |
| SCHOOL                       | 1,290,230          | 433,034            | 272,738           | 265,160            | 319,298            |
| TOTAL                        | <u>53,577,898</u>  | <u>10,311,113</u>  | <u>3,039,103</u>  | <u>9,688,071</u>   | <u>30,539,611</u>  |
| YEAR TO DATE                 |                    |                    |                   |                    |                    |
| RESIDENTIAL                  | 234,873,905        | 73,758,578         | 33,073,136        | 54,032,356         | 74,009,835         |
| COMM & IND                   | 369,478,608        | 45,991,518         | 2,883,684         | 56,814,433         | 263,788,973        |
| PVT ST LIGHTS                | 871,497            | 147,282            | 16,629            | 272,941            | 434,645            |
| PUB ST LIGHTS                | 2,652,709          | 891,187            | 358,881           | 465,009            | 937,632            |
| MUNI BLDGS                   | 9,006,113          | 2,461,956          | 1,835,874         | 1,544,143          | 3,164,140          |
| SALES/RESALE                 | 3,040,794          | 3,040,794          | 0                 | 0                  | 0                  |
| SCHOOL                       | 14,274,796         | 4,806,827          | 2,979,677         | 2,523,780          | 3,964,512          |
| TOTAL                        | <u>634,198,422</u> | <u>131,098,142</u> | <u>41,147,881</u> | <u>115,652,662</u> | <u>346,299,737</u> |
| LAST YEAR TO DATE            |                    |                    |                   |                    |                    |
| RESIDENTIAL                  | 237,916,978        | 75,407,937         | 33,239,047        | 55,082,720         | 74,187,274         |
| COMM & IND                   | 366,294,306        | 46,042,221         | 2,965,047         | 57,029,103         | 260,257,935        |
| PVT ST LIGHTS                | 828,601            | 143,963            | 15,620            | 252,288            | 416,730            |
| PUB ST LIGHTS                | 2,638,606          | 887,542            | 357,500           | 462,107            | 931,457            |
| MUNI BLDGS                   | 8,869,662          | 2,504,558          | 1,751,692         | 1,521,254          | 3,092,158          |
| SALES/RESALE                 | 3,023,744          | 3,023,744          | 0                 | 0                  | 0                  |
| SCHOOL                       | 13,312,734         | 4,708,594          | 2,997,395         | 1,674,400          | 3,932,345          |
| TOTAL                        | <u>632,884,631</u> | <u>132,718,559</u> | <u>41,326,301</u> | <u>116,021,872</u> | <u>342,817,899</u> |
| KILOWATT HOURS SOLD TO TOTAL |                    |                    |                   |                    |                    |
| MONTH                        | TOTAL              | READING            | LYNNFIELD         | NO. READING        | WILMINGTON         |
| RESIDENTIAL                  | 31.48%             | 10.25%             | 4.37%             | 7.43%              | 9.43%              |
| COMM & IND                   | 63.66%             | 7.24%              | 0.44%             | 9.78%              | 46.20%             |
| PVT ST LIGHTS                | 0.15%              | 0.03%              | 0.00%             | 0.05%              | 0.07%              |
| PUB ST LIGHTS                | 0.44%              | 0.15%              | 0.06%             | 0.08%              | 0.15%              |
| MUNI BLDGS                   | 1.45%              | 0.37%              | 0.29%             | 0.25%              | 0.54%              |
| SALES/RESALE                 | 0.41%              | 0.41%              | 0.00%             | 0.00%              | 0.00%              |
| SCHOOL                       | 2.41%              | 0.81%              | 0.51%             | 0.49%              | 0.60%              |
| TOTAL                        | <u>100.00%</u>     | <u>19.26%</u>      | <u>5.67%</u>      | <u>18.08%</u>      | <u>56.99%</u>      |
| YEAR TO DATE                 |                    |                    |                   |                    |                    |
| RESIDENTIAL                  | 37.03%             | 11.63%             | 5.21%             | 8.52%              | 11.67%             |
| COMM & IND                   | 58.26%             | 7.25%              | 0.45%             | 8.96%              | 41.60%             |
| PVT ST LIGHTS                | 0.14%              | 0.02%              | 0.00%             | 0.04%              | 0.08%              |
| PUB ST LIGHTS                | 0.42%              | 0.14%              | 0.06%             | 0.07%              | 0.15%              |
| MUNI BLDGS                   | 1.42%              | 0.39%              | 0.29%             | 0.24%              | 0.50%              |
| SALES/RESALE                 | 0.48%              | 0.48%              | 0.00%             | 0.00%              | 0.00%              |
| SCHOOL                       | 2.25%              | 0.76%              | 0.47%             | 0.40%              | 0.62%              |
| TOTAL                        | <u>100.00%</u>     | <u>20.67%</u>      | <u>6.48%</u>      | <u>18.23%</u>      | <u>54.62%</u>      |
| LAST YEAR TO DATE            |                    |                    |                   |                    |                    |
| RESIDENTIAL                  | 37.59%             | 11.91%             | 5.25%             | 8.70%              | 11.73%             |
| COMM & IND                   | 57.88%             | 7.27%              | 0.47%             | 9.01%              | 41.13%             |
| PVT ST LIGHTS                | 0.13%              | 0.02%              | 0.00%             | 0.04%              | 0.07%              |
| PUB ST LIGHTS                | 0.42%              | 0.14%              | 0.06%             | 0.07%              | 0.15%              |
| MUNI BLDGS                   | 1.40%              | 0.40%              | 0.28%             | 0.24%              | 0.48%              |
| SALES/RESALE                 | 0.48%              | 0.48%              | 0.00%             | 0.00%              | 0.00%              |
| SCHOOL                       | 2.10%              | 0.74%              | 0.47%             | 0.26%              | 0.63%              |
| TOTAL                        | <u>100.00%</u>     | <u>20.96%</u>      | <u>6.53%</u>      | <u>18.32%</u>      | <u>54.19%</u>      |



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
FORMULA INCOME  
5/31/2015

|                                      |       |                            |
|--------------------------------------|-------|----------------------------|
| TOTAL OPERATING REVENUES             | (P.3) | 78,672,962.91              |
| ADD:                                 |       |                            |
| POLE RENTAL                          |       | 0.00                       |
| INTEREST INCOME ON CUSTOMER DEPOSITS |       | 4,373.35                   |
| LESS:                                |       |                            |
| OPERATING EXPENSES                   | (P.3) | (73,831,315.13)            |
| CUSTOMER DEPOSIT INTEREST EXPENSE    |       | (4,048.05)                 |
| FORMULA INCOME (LOSS)                |       | <u><u>4,841,973.08</u></u> |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
GENERAL STATISTICS  
5/31/2015

|                           |       | MONTH OF<br>MAY 2014 | MONTH OF<br>MAY 2015 | % CHANGE<br>2014.      2015 |         | YEAR<br>MAY 2014 | THRU<br>MAY 2015 |
|---------------------------|-------|----------------------|----------------------|-----------------------------|---------|------------------|------------------|
| SALE OF KWH               | (P.5) | 48,507,373           | 53,577,898           | -1.56%                      | 0.21%   | 632,884,631      | 634,198,422      |
| KWH PURCHASED             |       | 53,647,949           | 58,248,608           | -0.89%                      | -1.88%  | 658,050,774      | 645,675,652      |
| AVE BASE COST PER KWH     |       | 0.037981             | 0.026364             | 2.71%                       | -38.20% | 0.039615         | 0.024483         |
| AVE BASE SALE PER KWH     |       | 0.071540             | 0.029528             | 3.44%                       | -53.64% | 0.067064         | 0.031092         |
| AVE COST PER KWH          |       | 0.070226             | 0.060910             | 0.14%                       | -17.60% | 0.085134         | 0.070154         |
| AVE SALE PER KWH          |       | 0.136520             | 0.084678             | -1.18%                      | -29.78% | 0.115438         | 0.081056         |
| FUEL CHARGE REVENUE (P.3) |       | 3,122,960.02         | 2,825,445.39         | -5.52%                      | 3.71%   | 29,630,937.87    | 30,729,173.72    |
| LOAD FACTOR               |       | 73.36%               | 57.64%               |                             |         |                  |                  |
| PEAK LOAD                 |       | 100,172              | 138,424              |                             |         |                  |                  |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF CASH AND INVESTMENTS  
5/31/2015

SCHEDULE A

|                                    | PREVIOUS YEAR        | CURRENT YEAR         |
|------------------------------------|----------------------|----------------------|
| UNRESTRICTED CASH                  |                      |                      |
| CASH - OPERATING FUND              | 11,654,970.39        | 9,402,133.55         |
| CASH - PETTY CASH                  | 3,000.00             | 3,000.00             |
| TOTAL UNRESTRICTED CASH            | <u>11,657,970.39</u> | <u>9,405,133.55</u>  |
| RESTRICTED CASH                    |                      |                      |
| CASH - DEPRECIATION FUND           | 4,316,189.56         | 5,691,478.73         |
| CASH - TOWN PAYMENT                | 1,542,175.45         | 1,562,026.25         |
| CASH - DEFERRED FUEL RESERVE       | 2,286,654.43         | 5,373,553.04         |
| CASH - RATE STABILIZATION FUND     | 6,719,955.90         | 6,766,601.84         |
| CASH - UNCOLLECTIBLE ACCTS RESERVE | 200,000.00           | 1,724,781.24         |
| CASH - SICK LEAVE BENEFITS         | 1,653,746.92         | 200,000.00           |
| CASH - HAZARD WASTE RESERVE        | 150,000.00           | 150,000.00           |
| CASH - CUSTOMER DEPOSITS           | 756,207.83           | 849,517.02           |
| CASH - ENERGY CONSERVATION         | 452,849.39           | 624,890.68           |
| TOTAL RESTRICTED CASH              | <u>18,077,779.48</u> | <u>22,942,848.80</u> |
| INVESTMENTS                        |                      |                      |
| SICK LEAVE BUYBACK                 | <u>1,250,000.00</u>  | <u>1,292,906.26</u>  |
| TOTAL CASH BALANCE                 | <u>30,985,749.87</u> | <u>33,640,888.61</u> |



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF ACCOUNTS RECEIVABLE  
5/31/2015

SCHEDULE B

| SCHEDULE OF ACCOUNTS RECEIVABLE         | PREVIOUS YEAR              | CURRENT YEAR               |
|---|----------------------------|----------------------------|
| RESIDENTIAL AND COMMERCIAL              | 1,745,200.01               | 3,940,975.95               |
| ACCOUNTS RECEIVABLE - OTHER             | 37,477.31                  | 146,438.46                 |
| ACCOUNTS RECEIVABLE - LIENS             | 37,169.47                  | 28,019.51                  |
| ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES | 892.14                     | 892.14                     |
| SALES DISCOUNT LIABILITY                | (174,199.37)               | (247,742.34)               |
| RESERVE FOR UNCOLLECTIBLE ACCOUNTS      | (233,578.90)               | (301,715.48)               |
| TOTAL ACCOUNTS RECEIVABLE BILLED        | <u>1,412,960.66</u>        | <u>3,566,868.24</u>        |
| UNBILLED ACCOUNTS RECEIVABLE            | 4,158,022.50               | 5,622,269.28               |
| TOTAL ACCOUNTS RECEIVABLE, NET          | <u><u>5,570,983.16</u></u> | <u><u>9,189,137.52</u></u> |

SCHEDULE OF PREPAYMENTS

|                                 |                            |                            |
|---------------------------------|----------------------------|----------------------------|
| PREPAID INSURANCE               | 516,659.28                 | 551,033.67                 |
| PREPAYMENT PURCHASED POWER      | 59,415.46                  | 576,560.20                 |
| PREPAYMENT PASNY                | 242,260.90                 | 307,572.50                 |
| PREPAYMENT WATSON               | 268,219.27                 | 370,449.79                 |
| PURCHASED POWER WORKING CAPITAL | 14,523.70                  | 12,700.11                  |
| TOTAL PREPAYMENT                | <u><u>1,101,078.61</u></u> | <u><u>1,818,316.27</u></u> |

ACCOUNTS RECEIVABLE AGING MAY 2015:

|                                |                            |
|--------------------------------|----------------------------|
| RESIDENTIAL AND COMMERCIAL     | 3,940,975.95               |
| LESS: SALES DISCOUNT LIABILITY | (247,742.34)               |
| GENERAL LEDGER BALANCE         | <u><u>3,693,233.61</u></u> |

|              |                            |                       |
|--------------|----------------------------|-----------------------|
| CURRENT      | 3,234,835.50               | 87.59%                |
| 30 DAYS      | 288,041.73                 | 7.80%                 |
| 60 DAYS      | 82,060.25                  | 2.22%                 |
| 90 DAYS      | 28,764.89                  | 0.78%                 |
| OVER 90 DAYS | 59,531.24                  | 1.61%                 |
| TOTAL        | <u><u>3,693,233.61</u></u> | <u><u>100.00%</u></u> |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE  
5/31/2015

SCHEDULE D

| SALES OF ELECTRICITY:             | MONTH<br>LAST YEAR         | MONTH<br>CURRENT YEAR      | LAST YEAR<br>TO DATE        | CURRENT YEAR<br>TO DATE     | YTD %<br>CHANGE |
|-----------------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------|
| RESIDENTIAL SALES                 | 2,513,884.46               | 1,701,387.75               | 30,526,633.42               | 22,365,007.77               | -26.74%         |
| COMM AND INDUSTRIAL SALES         | 3,800,094.69               | 2,625,351.65               | 39,266,902.29               | 26,668,770.57               | -32.08%         |
| PRIVATE STREET LIGHTING           | 7,410.55                   | 9,948.97                   | 66,135.29                   | 104,258.05                  | 57.64%          |
| TOTAL PRIVATE CONSUMERS           | <u>6,321,389.70</u>        | <u>4,336,688.37</u>        | <u>69,859,671.00</u>        | <u>49,138,036.39</u>        | -29.66%         |
| MUNICIPAL SALES:                  |                            |                            |                             |                             |                 |
| STREET LIGHTING                   | 33,029.17                  | 10,171.79                  | 312,279.25                  | 213,333.33                  | -31.69%         |
| MUNICIPAL BUILDINGS               | 96,536.08                  | 65,779.19                  | 1,037,116.60                | 711,819.24                  | -31.37%         |
| TOTAL MUNICIPAL CONSUMERS         | <u>129,565.25</u>          | <u>75,950.98</u>           | <u>1,349,395.85</u>         | <u>925,152.57</u>           | -31.44%         |
| SALES FOR RESALE                  | 26,894.24                  | 19,721.40                  | 359,064.83                  | 259,342.84                  | -27.77%         |
| SCHOOL                            | <u>144,399.15</u>          | <u>104,502.95</u>          | <u>1,490,762.14</u>         | <u>1,083,126.32</u>         | -27.34%         |
| SUB-TOTAL                         | 6,622,248.34               | 4,536,863.70               | 73,058,893.82               | 51,405,658.12               | -29.64%         |
| FORFEITED DISCOUNTS               | 62,385.37                  | 36,859.32                  | 868,803.54                  | 747,552.25                  | -13.96%         |
| PURCHASED POWER CAPACITY          | 258,997.39                 | 2,140,988.70               | 974,872.10                  | 26,857,018.39               | 2654.93%        |
| ENERGY CONSERVATION - RESIDENTIAL | 16,824.22                  | 16,878.76                  | 238,042.52                  | 235,029.93                  | -1.27%          |
| ENERGY CONSERVATION - COMMERCIAL  | 30,916.01                  | 35,569.52                  | 384,891.32                  | 385,597.26                  | 0.18%           |
| GAW REVENUE                       | 0.00                       | 0.00                       | 489,669.08                  | 0.00                        | -100.00%        |
| NYPA CREDIT                       | (29,075.65)                | (129,361.54)               | (984,474.99)                | (957,893.04)                | -2.70%          |
| TOTAL REVENUE                     | <u><u>6,962,295.68</u></u> | <u><u>6,637,798.46</u></u> | <u><u>75,030,697.39</u></u> | <u><u>78,672,962.91</u></u> | 4.85%           |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE BY TOWN  
5/31/2015

| MONTH           | TOTAL               | READING           | LYNNFIELD         | NO. READING       | WILMINGTON          |
|-----------------|---------------------|-------------------|-------------------|-------------------|---------------------|
| RESIDENTIAL     | 1,701,387.75        | 557,369.31        | 234,197.20        | 400,213.87        | 509,607.37          |
| INDUS/MUNI BLDG | 2,691,130.84        | 348,484.47        | 35,220.79         | 428,606.82        | 1,878,818.76        |
| PUB. ST. LIGHTS | 10,171.79           | 3,458.41          | 1,424.05          | 1,729.20          | 3,560.13            |
| PRV. ST. LIGHTS | 9,948.97            | 1,638.47          | 189.04            | 3,231.59          | 4,889.87            |
| CO-OP RESALE    | 19,721.40           | 19,721.40         | 0.00              | 0.00              | 0.00                |
| SCHOOL          | 104,502.95          | 35,288.73         | 21,554.66         | 22,558.36         | 25,101.20           |
| <b>TOTAL</b>    | <b>4,536,863.70</b> | <b>965,960.79</b> | <b>292,585.74</b> | <b>856,339.84</b> | <b>2,421,977.33</b> |

THIS YEAR TO DATE

|                 |                      |                      |                     |                     |                      |
|-----------------|----------------------|----------------------|---------------------|---------------------|----------------------|
| RESIDENTIAL     | 22,365,007.87        | 7,058,690.70         | 3,130,113.83        | 5,134,231.79        | 7,041,971.55         |
| INDUS/MUNI BLDG | 27,380,589.81        | 3,877,243.07         | 387,730.56          | 4,422,686.28        | 18,692,929.90        |
| PUB. ST. LIGHTS | 213,333.33           | 71,700.09            | 28,895.11           | 37,370.40           | 75,367.73            |
| PRV. ST. LIGHTS | 104,258.05           | 17,270.96            | 2,022.53            | 33,861.54           | 51,103.02            |
| CO-OP RESALE    | 259,342.84           | 259,342.84           | 0.00                | 0.00                | 0.00                 |
| SCHOOL          | 1,083,126.32         | 368,266.37           | 222,687.49          | 195,338.12          | 296,834.34           |
| <b>TOTAL</b>    | <b>51,405,658.22</b> | <b>11,652,514.03</b> | <b>3,771,449.50</b> | <b>9,823,488.14</b> | <b>26,158,206.55</b> |

LAST YEAR TO DATE

|                 |                      |                      |                     |                      |                      |
|-----------------|----------------------|----------------------|---------------------|----------------------|----------------------|
| RESIDENTIAL     | 30,526,633.42        | 9,719,604.98         | 4,238,879.07        | 7,062,850.25         | 9,505,299.12         |
| INDUS/MUNI BLDG | 40,304,018.89        | 5,565,921.08         | 548,121.02          | 6,508,549.42         | 27,681,427.37        |
| PUB. ST. LIGHTS | 312,279.25           | 101,572.00           | 40,132.66           | 55,527.58            | 115,047.01           |
| PRV. ST. LIGHTS | 66,135.29            | 11,369.62            | 1,222.76            | 20,821.76            | 32,721.15            |
| CO-OP RESALE    | 359,064.83           | 359,064.83           | 0.00                | 0.00                 | 0.00                 |
| SCHOOL          | 1,490,762.14         | 530,098.68           | 329,313.64          | 193,897.57           | 437,452.25           |
| <b>TOTAL</b>    | <b>73,058,893.82</b> | <b>16,287,631.19</b> | <b>5,157,669.15</b> | <b>13,841,646.58</b> | <b>37,771,946.90</b> |

PERCENTAGE OF OPERATING INCOME TO TOTAL

| MONTH           | TOTAL          | READING       | LYNNFIELD    | NO. READING   | WILMINGTON    |
|-----------------|----------------|---------------|--------------|---------------|---------------|
| RESIDENTIAL     | 37.50%         | 12.29%        | 5.16%        | 8.82%         | 11.23%        |
| INDUS/MUNI BLDG | 59.32%         | 7.68%         | 0.78%        | 9.45%         | 41.41%        |
| PUB. ST. LIGHTS | 0.23%          | 0.08%         | 0.03%        | 0.04%         | 0.08%         |
| PRV. ST. LIGHTS | 0.22%          | 0.04%         | 0.00%        | 0.07%         | 0.11%         |
| CO-OP RESALE    | 0.43%          | 0.43%         | 0.00%        | 0.00%         | 0.00%         |
| SCHOOL          | 2.30%          | 0.78%         | 0.48%        | 0.50%         | 0.54%         |
| <b>TOTAL</b>    | <b>100.00%</b> | <b>21.30%</b> | <b>6.45%</b> | <b>18.88%</b> | <b>53.37%</b> |

THIS YEAR TO DATE

|                 |                |               |              |               |               |
|-----------------|----------------|---------------|--------------|---------------|---------------|
| RESIDENTIAL     | 43.51%         | 13.73%        | 6.09%        | 9.99%         | 13.70%        |
| INDUS/MUNI BLDG | 53.26%         | 7.54%         | 0.75%        | 8.60%         | 36.37%        |
| PUB. ST. LIGHTS | 0.42%          | 0.14%         | 0.06%        | 0.07%         | 0.15%         |
| PRV. ST. LIGHTS | 0.20%          | 0.03%         | 0.00%        | 0.07%         | 0.10%         |
| CO-OP RESALE    | 0.50%          | 0.50%         | 0.00%        | 0.00%         | 0.00%         |
| SCHOOL          | 2.11%          | 0.72%         | 0.43%        | 0.38%         | 0.58%         |
| <b>TOTAL</b>    | <b>100.00%</b> | <b>22.66%</b> | <b>7.33%</b> | <b>19.11%</b> | <b>50.90%</b> |

LAST YEAR TO DATE

|                 |                |               |              |               |               |
|-----------------|----------------|---------------|--------------|---------------|---------------|
| RESIDENTIAL     | 41.78%         | 13.30%        | 5.80%        | 9.67%         | 13.01%        |
| INDUS/MUNI BLDG | 55.17%         | 7.62%         | 0.75%        | 8.91%         | 37.89%        |
| PUB. ST. LIGHTS | 0.43%          | 0.14%         | 0.05%        | 0.08%         | 0.16%         |
| PRV. ST. LIGHTS | 0.09%          | 0.02%         | 0.00%        | 0.03%         | 0.04%         |
| CO-OP RESALE    | 0.49%          | 0.49%         | 0.00%        | 0.00%         | 0.00%         |
| SCHOOL          | 2.04%          | 0.73%         | 0.45%        | 0.27%         | 0.59%         |
| <b>TOTAL</b>    | <b>100.00%</b> | <b>22.30%</b> | <b>7.05%</b> | <b>18.96%</b> | <b>51.69%</b> |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED REVENUE VARIANCE REPORT  
5/31/2015

SCHEDULE F

|   | ACTUAL<br>YEAR TO DATE      | BUDGET<br>YEAR TO DATE      | VARIANCE *                   | %<br>CHANGE |
|---|-----------------------------|-----------------------------|------------------------------|-------------|
| SALES OF ELECTRICITY:   |                             |                             |                              |             |
| RESIDENTIAL   | 10,559,768.66               | 10,377,285.00               | 182,483.66                   | 1.76%       |
| COMM AND INDUSTRIAL SALES<br>PRIVATE STREET LIGHTING<br>MUNICIPAL BUILDINGS | 8,598,858.92                | 8,876,274.00                | (277,415.08)                 | -3.13%      |
| PUBLIC STREET LIGHTING  | 80,753.26                   | 322,612.00                  | (241,858.74)                 | -74.97%     |
| SALES FOR RESALE  | 105,942.97                  | 121,649.00                  | (15,706.03)                  | -12.91%     |
| SCHOOL  | <u>373,267.55</u>           | <u>362,413.00</u>           | <u>10,854.55</u>             | 3.00%       |
| TOTAL BASE SALES  | 19,718,591.36               | 20,060,233.00               | (341,641.64)                 | -1.70%      |
| TOTAL FUEL SALES  | <u>31,687,066.76</u>        | <u>33,807,123.00</u>        | <u>(2,120,056.24)</u>        | -6.27%      |
| TOTAL OPERATING REVENUE   | 51,405,658.12               | 53,867,356.00               | (2,461,697.88)               | -4.57%      |
| FORFEITED DISCOUNTS   | 747,552.25                  | 1,016,974.00                | (269,421.75)                 | -26.49%     |
| PURCHASED POWER CAPACITY  | 26,857,018.39               | 26,652,445.00               | 204,573.39                   | 0.77%       |
| ENERGY CONSERVATION - RESIDENTIAL   | 235,029.93                  | 235,967.00                  | (937.07)                     | -0.40%      |
| ENERGY CONSERVATION - COMMERCIAL  | 385,597.26                  | 397,943.00                  | (12,345.74)                  | -3.10%      |
| NYPA CREDIT   | (957,893.04)                | (641,663.00)                | (316,230.04)                 | 49.28%      |
| TOTAL OPERATING REVENUES  | <u><u>78,672,962.91</u></u> | <u><u>81,529,022.00</u></u> | <u><u>(2,856,059.09)</u></u> | -3.50%      |

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING EXPENSES  
5/31/2015

SCHEDULE E

| OPERATION EXPENSES:               | MONTH<br>LAST YEAR  | MONTH<br>CURRENT YEAR | LAST YEAR<br>TO DATE | CURRENT YEAR<br>TO DATE | YTD %<br>CHANGE |
|-----------------------------------|---------------------|-----------------------|----------------------|-------------------------|-----------------|
| PURCHASED POWER CAPACITY          | 1,400,178.92        | 1,535,658.77          | 15,861,081.80        | 15,808,238.16           | -0.33%          |
| PURCHASED POWER TRANSMISSION      | 637,406.21          | 608,787.17            | 10,207,344.52        | 10,696,274.17           | 4.79%           |
| <b>TOTAL PURCHASED POWER</b>      | <b>2,037,585.13</b> | <b>2,144,445.94</b>   | <b>26,068,426.32</b> | <b>26,504,512.33</b>    | <b>1.67%</b>    |
| OPERATION SUP AND ENGINEERING EXP | 48,712.45           | 45,484.41             | 468,990.96           | 490,024.00              | 4.48%           |
| STATION SUP LABOR AND MISC        | 13,895.85           | 17,203.31             | 110,617.90           | 154,341.41              | 39.53%          |
| LINE MISC LABOR AND EXPENSE       | 89,772.05           | 80,819.29             | 750,763.70           | 759,069.12              | 1.11%           |
| STATION LABOR AND EXPENSE         | 45,102.48           | 29,166.43             | 447,347.10           | 465,573.74              | 4.07%           |
| STREET LIGHTING EXPENSE           | 7,068.13            | 8,615.85              | 67,246.69            | 85,570.73               | 27.25%          |
| METER EXPENSE                     | 21,820.58           | 19,938.57             | 202,305.25           | 187,820.16              | -7.16%          |
| MISC DISTRIBUTION EXPENSE         | 35,662.29           | 39,945.24             | 341,075.36           | 416,899.13              | 22.23%          |
| METER READING LABOR & EXPENSE     | 654.52              | 2,147.75              | 18,857.65            | 15,187.14               | -19.46%         |
| ACCT & COLL LABOR & EXPENSE       | 130,138.79          | 169,479.11            | 1,385,720.42         | 1,654,712.78            | 19.41%          |
| UNCOLLECTIBLE ACCOUNTS            | 10,500.00           | 10,000.00             | 115,500.00           | 110,000.00              | -4.76%          |
| ENERGY AUDIT EXPENSE              | 35,683.74           | 46,677.35             | 340,745.97           | 389,883.58              | 14.42%          |
| ADMIN & GEN SALARIES              | 84,349.97           | 60,947.26             | 811,412.31           | 737,595.41              | -9.10%          |
| OFFICE SUPPLIES & EXPENSE         | 28,252.18           | 26,890.63             | 265,712.78           | 294,375.27              | 10.79%          |
| OUTSIDE SERVICES                  | 30,681.25           | 43,729.37             | 378,355.94           | 460,194.40              | 21.63%          |
| PROPERTY INSURANCE                | 29,863.75           | 31,242.39             | 319,169.26           | 335,222.48              | 5.03%           |
| INJURIES AND DAMAGES              | 3,408.29            | 3,843.98              | 38,891.58            | 41,127.82               | 5.75%           |
| EMPLOYEES PENSIONS & BENEFITS     | 234,018.54          | 236,029.10            | 2,100,340.11         | 2,688,368.01            | 28.00%          |
| MISC GENERAL EXPENSE              | 6,790.94            | 8,856.59              | 146,837.50           | 128,375.15              | -12.57%         |
| RENT EXPENSE                      | 17,235.30           | 2,151.76              | 188,596.54           | 147,773.50              | -21.65%         |
| ENERGY CONSERVATION               | 30,604.33           | 18,270.05             | 489,106.11           | 452,997.51              | -7.38%          |
| <b>TOTAL OPERATION EXPENSES</b>   | <b>904,215.43</b>   | <b>901,438.44</b>     | <b>8,987,593.13</b>  | <b>10,015,111.34</b>    | <b>11.43%</b>   |
| MAINTENANCE EXPENSES:             |                     |                       |                      |                         |                 |
| MAINT OF TRANSMISSION PLANT       | 227.08              | 227.08                | 2,497.90             | 2,497.90                | 0.00%           |
| MAINT OF STRUCT AND EQUIPMT       | 16,015.67           | 40,852.31             | 160,293.59           | 466,864.01              | 191.26%         |
| MAINT OF LINES - OH               | 198,055.11          | 167,006.33            | 1,529,732.12         | 1,603,545.80            | 4.83%           |
| MAINT OF LINES - UG               | 13,483.49           | (346.25)              | 176,523.21           | 134,323.14              | -23.91%         |
| MAINT OF LINE TRANSFORMERS        | 0.00                | 0.00                  | 87,218.31            | 62,622.70               | 0.00%           |
| MAINT OF ST LT & SIG SYSTEM       | (35.22)             | (35.13)               | (482.88)             | (229.01)                | -52.57%         |
| MAINT OF GARAGE AND STOCKROOM     | 54,179.10           | 40,780.04             | 515,335.39           | 534,467.93              | 3.71%           |
| MAINT OF METERS                   | 0.00                | 0.00                  | 11,645.67            | 0.00                    | -100.00%        |
| MAINT OF GEN PLANT                | 8,963.95            | 15,049.35             | 131,749.23           | 190,852.66              | 44.86%          |
| <b>TOTAL MAINTENANCE EXPENSES</b> | <b>290,889.18</b>   | <b>263,533.73</b>     | <b>2,614,512.54</b>  | <b>2,994,945.13</b>     | <b>14.55%</b>   |
| DEPRECIATION EXPENSE              | 314,969.55          | 321,788.79            | 3,464,665.05         | 3,539,676.69            | 2.17%           |
| PURCHASED POWER FUEL EXPENSE      | 1,729,892.46        | 2,012,238.83          | 29,953,770.82        | 29,488,315.64           | -1.55%          |
| VOLUNTARY PAYMENTS TO TOWNS       | 116,666.67          | 118,000.00            | 1,281,850.35         | 1,288,754.00            | 0.54%           |
| <b>TOTAL OPERATING EXPENSES</b>   | <b>5,394,218.42</b> | <b>5,761,445.73</b>   | <b>72,370,818.21</b> | <b>73,831,315.13</b>    | <b>2.02%</b>    |

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
5/31/2015

SCHEDULE G

| OPERATION EXPENSES:               | ACTUAL<br>YEAR TO DATE | BUDGET<br>YEAR TO DATE | VARIANCE *            | %<br>CHANGE   |
|-----------------------------------|------------------------|------------------------|-----------------------|---------------|
| PURCHASED POWER CAPACITY          | 15,808,238.16          | 14,955,359.00          | 852,879.16            | 5.70%         |
| PURCHASED POWER TRANSMISSION      | 10,696,274.17          | 11,133,498.00          | (437,223.83)          | -3.93%        |
| <b>TOTAL PURCHASED POWER</b>      | <b>26,504,512.33</b>   | <b>26,088,857.00</b>   | <b>415,655.33</b>     | <b>1.59%</b>  |
| OPERATION SUP AND ENGINEERING EXP | 490,024.00             | 529,181.00             | (39,157.00)           | -7.40%        |
| STATION SUP LABOR AND MISC        | 154,341.41             | 98,077.00              | 56,264.41             | 57.37%        |
| LINE MISC LABOR AND EXPENSE       | 759,069.12             | 607,674.00             | 151,395.12            | 24.91%        |
| STATION LABOR AND EXPENSE         | 465,573.74             | 362,881.00             | 102,692.74            | 28.30%        |
| STREET LIGHTING EXPENSE           | 85,570.73              | 75,367.00              | 10,203.73             | 13.54%        |
| METER EXPENSE                     | 187,820.16             | 223,505.00             | (35,684.84)           | -15.97%       |
| MISC DISTRIBUTION EXPENSE         | 416,899.13             | 365,942.00             | 50,957.13             | 13.92%        |
| METER READING LABOR & EXPENSE     | 15,187.14              | 28,099.00              | (12,911.86)           | -45.95%       |
| ACCT & COLL LABOR & EXPENSE       | 1,654,712.78           | 1,550,705.00           | 104,007.78            | 6.71%         |
| UNCOLLECTIBLE ACCOUNTS            | 110,000.00             | 110,000.00             | 0.00                  | 0.00%         |
| ENERGY AUDIT EXPENSE              | 389,883.58             | 443,463.00             | (53,579.42)           | -12.08%       |
| ADMIN & GEN SALARIES              | 737,595.41             | 761,230.00             | (23,634.59)           | -3.10%        |
| OFFICE SUPPLIES & EXPENSE         | 294,375.27             | 276,100.00             | 18,275.27             | 6.62%         |
| OUTSIDE SERVICES                  | 460,194.40             | 325,235.00             | 134,959.40            | 41.50%        |
| PROPERTY INSURANCE                | 335,222.48             | 415,624.00             | (80,401.52)           | -19.34%       |
| INJURIES AND DAMAGES              | 41,127.82              | 45,018.00              | (3,890.18)            | -8.64%        |
| EMPLOYEES PENSIONS & BENEFITS     | 2,688,368.01           | 2,530,838.00           | 157,530.01            | 6.22%         |
| MISC GENERAL EXPENSE              | 128,375.15             | 232,826.00             | (104,450.85)          | -44.86%       |
| RENT EXPENSE                      | 147,773.50             | 194,337.00             | (46,563.50)           | -23.96%       |
| ENERGY CONSERVATION               | 452,997.51             | 711,660.00             | (258,662.49)          | -36.35%       |
| <b>TOTAL OPERATION EXPENSES</b>   | <b>10,015,111.34</b>   | <b>9,887,762.00</b>    | <b>127,349.34</b>     | <b>1.29%</b>  |
| MAINTENANCE EXPENSES:             |                        |                        |                       |               |
| MAINT OF TRANSMISSION PLANT       | 2,497.90               | 2,750.00               | (252.10)              | -9.17%        |
| MAINT OF STRUCT AND EQUIPMENT     | 466,864.01             | 440,240.00             | 26,624.01             | 6.05%         |
| MAINT OF LINES - OH               | 1,603,545.80           | 1,522,186.00           | 81,359.80             | 5.34%         |
| MAINT OF LINES - UG               | 134,323.14             | 119,625.00             | 14,698.14             | 12.29%        |
| MAINT OF LINE TRANSFORMERS        | 62,622.70              | 156,000.00             | (93,377.30)           | -59.86%       |
| MAINT OF ST LT & SIG SYSTEM       | (229.01)               | 8,853.00               | (9,082.01)            | -102.59%      |
| MAINT OF GARAGE AND STOCKROOM     | 534,467.93             | 524,190.00             | 10,277.93             | 1.96%         |
| MAINT OF METERS                   | 0.00                   | 41,217.00              | (41,217.00)           | -100.00%      |
| MAINT OF GEN PLANT                | 190,852.66             | 155,959.00             | 34,893.66             | 22.37%        |
| <b>TOTAL MAINTENANCE EXPENSES</b> | <b>2,994,945.13</b>    | <b>2,971,020.00</b>    | <b>23,925.13</b>      | <b>0.81%</b>  |
| DEPRECIATION EXPENSE              | 3,539,676.69           | 3,567,663.00           | (27,986.31)           | -0.78%        |
| PURCHASED POWER FUEL EXPENSE      | 29,488,315.64          | 33,587,932.00          | (4,099,616.36)        | -12.21%       |
| VOLUNTARY PAYMENTS TO TOWNS       | 1,288,754.00           | 1,298,000.00           | (9,246.00)            | -0.71%        |
| <b>TOTAL OPERATING EXPENSES</b>   | <b>73,831,315.13</b>   | <b>77,401,234.00</b>   | <b>(3,569,918.87)</b> | <b>-4.61%</b> |

\* ( ) = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
5/31/2015

| OPERATION EXPENSES:               | RESPONSIBLE<br>SENIOR<br>MANAGER | 2015<br>ANNUAL BUDGET | ACTUAL<br>YEAR TO DATE | REMAINING<br>BUDGET<br>BALANCE | REMAINING<br>BUDGET % |
|-----------------------------------|----------------------------------|-----------------------|------------------------|--------------------------------|-----------------------|
| PURCHASED POWER CAPACITY          | JP                               | 16,332,282.00         | 15,808,238.16          | 524,043.84                     | 3.21%                 |
| PURCHASED POWER TRANSMISSION      | JP                               | 12,556,732.00         | 10,696,274.17          | 1,860,457.83                   | 14.82%                |
| TOTAL PURCHASED POWER             |                                  | <u>28,889,014.00</u>  | <u>26,504,512.33</u>   | <u>2,384,501.67</u>            | 8.25%                 |
| OPERATION SUP AND ENGINEERING EXP | HJ                               | 583,668.00            | 490,024.00             | 93,644.00                      | 16.04%                |
| STATION SUP LABOR AND MISC        | HJ                               | 108,848.00            | 154,341.41             | (45,493.41)                    | -41.80%               |
| LINE MISC LABOR AND EXPENSE       | HJ                               | 657,259.00            | 759,069.12             | (101,810.12)                   | -15.49%               |
| STATION LABOR AND EXPENSE         | HJ                               | 398,849.00            | 465,573.74             | (66,724.74)                    | -16.73%               |
| STREET LIGHTING EXPENSE           | HJ                               | 82,907.00             | 85,570.73              | (2,663.73)                     | -3.21%                |
| METER EXPENSE                     | HJ                               | 247,938.00            | 187,820.16             | 60,117.84                      | 24.25%                |
| MISC DISTRIBUTION EXPENSE         | HJ                               | 402,885.00            | 416,899.13             | (14,014.13)                    | -3.48%                |
| METER READING LABOR & EXPENSE     | HJ                               | 30,922.00             | 15,187.14              | 15,734.86                      | 50.89%                |
| ACCT & COLL LABOR & EXPENSE       | RF                               | 1,705,333.00          | 1,654,712.78           | 50,620.22                      | 2.97%                 |
| UNCOLLECTIBLE ACCOUNTS            | RF                               | 120,000.00            | 110,000.00             | 10,000.00                      | 8.33%                 |
| ENERGY AUDIT EXPENSE              | JP                               | 488,284.00            | 389,883.58             | 98,400.42                      | 20.15%                |
| ADMIN & GEN SALARIES              | CO                               | 842,170.00            | 737,595.41             | 104,574.59                     | 12.42%                |
| OFFICE SUPPLIES & EXPENSE         | CO                               | 301,000.00            | 294,375.27             | 6,624.73                       | 2.20%                 |
| OUTSIDE SERVICES                  | CO                               | 351,650.00            | 460,194.40             | (108,544.40)                   | -30.87%               |
| PROPERTY INSURANCE                | HJ                               | 453,200.00            | 335,222.48             | 117,977.52                     | 26.03%                |
| INJURIES AND DAMAGES              | HJ                               | 49,059.00             | 41,127.82              | 7,931.18                       | 16.17%                |
| EMPLOYEES PENSIONS & BENEFITS     | HJ                               | 2,746,619.00          | 2,688,368.01           | 58,250.99                      | 2.12%                 |
| MISC GENERAL EXPENSE              | CO                               | 240,727.00            | 128,375.15             | 112,351.85                     | 46.67%                |
| RENT EXPENSE                      | HJ                               | 212,000.00            | 147,773.50             | 64,226.50                      | 30.30%                |
| ENERGY CONSERVATION               | JP                               | 778,812.00            | 452,997.51             | 325,814.49                     | 41.83%                |
| TOTAL OPERATION EXPENSES          |                                  | <u>10,802,130.00</u>  | <u>10,015,111.34</u>   | <u>787,018.66</u>              | 7.29%                 |
| MAINTENANCE EXPENSES:             |                                  |                       |                        |                                |                       |
| MAINT OF TRANSMISSION PLANT       | HJ                               | 3,000.00              | 2,497.90               | 502.10                         | 16.74%                |
| MAINT OF STRUCT AND EQUIPMT       | HJ                               | 484,026.00            | 466,864.01             | 17,161.99                      | 3.55%                 |
| MAINT OF LINES - OH               | HJ                               | 1,675,794.00          | 1,603,545.80           | 72,248.20                      | 4.31%                 |
| MAINT OF LINES - UG               | HJ                               | 130,694.00            | 134,323.14             | (3,629.14)                     | -2.78%                |
| MAINT OF LINE TRANSFORMERS        | HJ                               | 156,000.00            | 62,622.70              | 93,377.30                      | 59.86%                |
| MAINT OF ST LT & SIG SYSTEM       | HJ                               | 9,745.00              | (229.01)               | 9,974.01                       | 102.35%               |
| MAINT OF GARAGE AND STOCKROOM     | HJ                               | 567,531.00            | 534,467.93             | 33,063.07                      | 5.83%                 |
| MAINT OF METERS                   | HJ                               | 43,290.00             | 0.00                   | 43,290.00                      | 100.00%               |
| MAINT OF GEN PLANT                | RF                               | 170,180.00            | 190,852.66             | (20,672.66)                    | -12.15%               |
| TOTAL MAINTENANCE EXPENSES        |                                  | <u>3,240,260.00</u>   | <u>2,994,945.13</u>    | <u>245,314.87</u>              | 7.57%                 |
| DEPRECIATION EXPENSE              | RF                               | 3,892,000.00          | 3,539,676.69           | 352,323.31                     | 9.05%                 |
| PURCHASED POWER FUEL EXPENSE      | JP                               | 36,249,653.00         | 29,488,315.64          | 6,761,337.36                   | 18.65%                |
| VOLUNTARY PAYMENTS TO TOWNS       | RF                               | 1,416,000.00          | 1,288,754.00           | 127,246.00                     | 8.99%                 |
| TOTAL OPERATING EXPENSES          |                                  | <u>84,489,057.00</u>  | <u>73,831,315.13</u>   | <u>10,657,741.87</u>           | 12.61%                |



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
PROFESSIONAL SERVICES  
05/31/2015

PROFESSIONAL SERVICES BY PROJECT

| ITEM                                 | DEPARTMENT           | ACTUAL            | BUDGET            | VARIANCE          |
|--------------------------------------|----------------------|-------------------|-------------------|-------------------|
| 1 RMLD AND PENSION TRUST AUDIT FEES  | ACCOUNTING           | 46,823.84         | 35,000.00         | 11,823.84         |
| 2 LEGAL-FERC/ISO/POWER/OTHER         | INTEGRATED RESOURCES | 148,130.53        | 126,775.00        | 21,355.53         |
| 3 NERC COMPLIANCE AND AUDIT          | E & O                | 15,490.00         | 9,625.00          | 5,865.00          |
| 4 LEGAL                              | ENGINEERING          | 6,844.50          | 12,375.00         | (5,530.50)        |
| 5 LEGAL-GENERAL                      | GM                   | 224,811.55        | 48,587.00         | 176,224.55        |
| 6 LEGAL SERVICES                     | HR                   | 18,093.98         | 58,663.00         | (40,569.02)       |
| 7 SURVEY RIGHT OF WAY/ ENVIRONMENTAL | BLDG. MAINT.         | 0.00              | 9,460.00          | (9,460.00)        |
| 8 INSURANCE CONSULTANT/OTHER         | GEN. BENEFIT         | 0.00              | 24,750.00         | (24,750.00)       |
| TOTAL                                |                      | <u>460,194.40</u> | <u>325,235.00</u> | <u>134,959.40</u> |

PROFESSIONAL SERVICES BY VENDOR

|                                       | ACTUAL                   |
|---------------------------------------|--------------------------|
| MELANSON HEATH & COMPANY              | 29,920.00                |
| PLM ELECTRIC POWER COMPANY            | 25,167.57                |
| RUBIN AND RUDMAN                      | 246,046.57               |
| UTILTIY SERVICES INC.                 | 15,490.00                |
| CHOATE HALL & STEWART                 | 9,602.23                 |
| WILLIAM F. CROWLEY- ATTORNEY          | 2,477.24                 |
| HUDSON RIVER ENERGY GROUP             | 2,925.62                 |
| STONE CONSULTING                      | 1,000.00                 |
| TRI COUNTY APPRAISAL OF SOUTH FLORIDA | 525.00                   |
| DUNCAN & ALLEN                        | 42,040.17                |
| LEIDOS                                | 85,000.00                |
| TOTAL                                 | <u><u>460,194.40</u></u> |



RMLD  
DEFERRED FUEL CASH RESERVE ANALYSIS  
05/31/15

| DATE   | GROSS<br>CHARGES | REVENUES     | NYPA CREDIT  | MONTHLY<br>DEFERRED | TOTAL<br>DEFERRED |
|--------|------------------|--------------|--------------|---------------------|-------------------|
| Jun-14 |                  |              |              |                     | 4,132,694.96      |
| Jul-14 | 3,287,589.94     | 3,782,699.41 | (35,898.34)  | 459,211.13          | 4,591,906.09      |
| Aug-14 | 2,768,364.01     | 3,844,854.74 | (47,884.92)  | 1,028,605.81        | 5,620,511.90      |
| Sep-14 | 2,358,565.60     | 2,758,999.30 | (73,836.15)  | 326,597.55          | 5,947,109.45      |
| Oct-14 | 2,290,434.18     | 2,425,374.16 | (74,545.03)  | 60,394.95           | 6,007,504.40      |
| Nov-14 | 2,374,999.11     | 2,418,013.33 | (68,098.89)  | (25,084.67)         | 5,982,419.73      |
| Dec-14 | 2,754,212.60     | 2,662,761.53 | (81,999.49)  | (173,450.56)        | 5,808,969.17      |
| Jan-15 | 3,456,178.99     | 2,845,745.09 | (100,190.60) | (710,624.50)        | 5,098,344.67      |
| Feb-15 | 3,579,980.29     | 3,061,242.48 | (114,961.73) | (633,699.54)        | 4,464,645.13      |
| Mar-15 | 3,101,903.54     | 2,372,124.71 | (130,242.61) | (860,021.44)        | 3,604,623.69      |
| Apr-15 | 1,503,848.55     | 2,560,445.08 | (100,873.74) | 955,722.79          | 4,560,346.48      |
| May-15 | 2,012,238.83     | 2,954,806.93 | (129,361.54) | 813,206.56          | 5,373,553.04      |

RMLD  
BUDGET VARIANCE REPORT  
FOR PERIOD ENDING MAY 31, 2015

| DIVISION                          | ACTUAL                   | BUDGET                   | VARIANCE                  | %<br>CHANGE |
|-----------------------------------|--------------------------|--------------------------|---------------------------|-------------|
| BUSINESS DIVISION                 | 9,292,291                | 9,150,649                | 141,642                   | 1.55%       |
| INTEGRATED RESOURCES AND PLANNING | 991,012                  | 1,281,900                | (290,888)                 | -22.69%     |
| ENGINEERING AND OPERATIONS        | 4,650,410                | 4,444,920                | 205,489                   | 4.62%       |
| FACILITY                          | 4,252,989                | 4,252,747                | 242                       | 0.01%       |
| GENERAL MANAGER                   | <u>794,290</u>           | <u>735,435</u>           | <u>58,854</u>             | 8.00%       |
| SUB-TOTAL                         | 19,980,991               | 19,865,651               | 115,340                   | 0.58%       |
| <br>PURCHASED POWER CAPACITY      | <br>15,808,238           | <br>14,955,360           | <br>852,878               | <br>5.70%   |
| PURCHASED POWER TRANSMISSION      | 10,696,274               | 11,133,499               | (437,225)                 | -3.93%      |
| PURCHASED POWER FUEL              | 29,488,316               | 33,587,932               | (4,099,616)               | -12.21%     |
| TOTAL                             | <u><u>75,973,819</u></u> | <u><u>79,542,442</u></u> | <u><u>(3,568,623)</u></u> | -4.49%      |


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June 18, 2015

Town of Reading Municipal Light Board

Subject: RFP 2015-26 – GIS/GPS Field Inventory

On Monday, April 20, 2015, an RFP notice was published in the Commonwealth of Massachusetts' Goods and Services Bulletin, and on Wednesday, April 22, 2015 a Request for Proposal (RFP) was published as a legal notice in the Daily Times Chronicle, Middlesex East Section, for a GIS/GPS Field Inventory.

RFP's were sent to the following 42 firms:

|  |  |                                     |
|--|--|-------------------------------------|
| <b>AECOM</b>   | <b>Environmental Partners Group, Inc.</b>  | <b>Spatial Systems Assoc., Inc.</b> |
| <b>Alden</b>   | <b>ESS Group, Inc.</b>                     | <b>Smith Mountain Investments</b>   |
| <b>AppGEO</b>  | <b>Geod Consulting</b>                     | <b>Star Chase</b>                   |
| <b>Applied Geographics, Inc.</b>   | <b>GISbiz</b>                              | <b>Thew Associates</b>              |
| <b>Arcadis-US</b>  | <b>IMS Information</b>                     | <b>Timmons Group</b>                |
| <b>Axiomatic, LLC</b>  | <b>Kennerson Group</b>                     | <b>Utiliworks</b>                   |
| <b>BETA Group, Inc.</b>  | <b>Leidos</b>                              | <b>Vegetation Control Service</b>   |
| <b>BHC Rhodes</b>  | <b>McLean Engineering</b>                  | <b>VentureSum Corporation</b>       |
| <b>Bridge Energy Group</b>   | <b>Meridian Associates</b>                 | <b>VHB</b>                          |
| <b>BSC Group</b>   | <b>mPower Innovations</b>                  | <b>Wachs Water Services</b>         |
| <b>Burns &amp; McDonnell Engineering</b>                                 | <b>Osmose Utilities Services</b>           | <b>Western Land Services</b>        |
| <b>Davey Resource Group/ A division of The Davey Tree Expert Company</b> | <b>sde civil+environmental ENGINEERING</b> | <b>Weston&amp;Sampson</b>           |
| <b>CDM Smith</b>   | <b>Peer Consultants</b>                    | <b>Woodard &amp; Curran</b>         |
| <b>Digital Map Products</b>  | <b>The Sanborn Map Company, Inc.</b>       | <b>WSP Group</b>                    |

The proposals were due on May 29, 2015, at 4:30 P.M. Proposals were received from the following six companies: Burns & McDonnell Engineering, Davey Resource Group, mPower Innovations, Osmose Utilities Services, Western Land Services, and Weston&Sampson.



One proposal, Western Land Services, was determined non-responsive due to not meeting the minimum requirements.

The Review Committee included the Director of Engineering and Operations, GIS System Administrator, Systems Administrator, Technical Services Manager, and the General Line Foreman. They reviewed, analyzed, and evaluated the remaining five proposals, and using comparative criteria, developed a composite rating for each firm. The firm with the most advantageous proposal based on the ratings and pricing is Davey Resource Group.

Move that RFP 2015-26 for a GIS/GPS Field Inventory be awarded to Davey Resource Group, a division of The Davey Tree Expert Company, as the most advantageous responsive and responsible proposer for \$395,434 including all options (Milsoft and Meter Locations) on the recommendation of the General Manager.

The FY16 Capital Budget amount for this item is \$420,000

Hamid Jaffari, Director of Engineering and Operations

Coleen O'Brien, General Manager

Johanna Meyer, Project Manager



GIS/GPS Field Inventory  
Request for Proposal (RFP) 2015-26

| Proposer             | Composite Rating | Cost - No Options | Option Milsoft Software | Option Field Collection Application | Cost with Milsoft Software and/or Field Collection | Option with Meter | Total Cost    |
|----------------------|------------------|-------------------|-------------------------|-------------------------------------|--|-------------------|---------------|
| Davey Resource Group | 44.18            | \$ 190,179.64     | \$ 29,637.99            | -                                   | \$ 219,817.63                                      | \$ 175,616.37     | \$ 395,434.00 |
| Osmose               | 41.31            | \$ 274,531.29     | \$ -                    | 560.00                              | \$ 274,531.29                                      | -                 | \$ 274,531.29 |
| mPower               | 40.80            | \$ 343,503.35     | \$ 15,000.00            | -                                   | \$ 358,503.35                                      | -                 | \$ 358,503.35 |
| Weston & Sampson     | 34.17            | \$ 613,192.99     | \$ -                    | -                                   | \$ 613,192.99                                      | -                 | \$ 613,192.99 |
| Burns & McDonnell    | 34.35            | \$ 896,169.20     | \$ -                    | -                                   | \$ 896,169.20                                      | -                 | \$ 896,169.20 |



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June 15, 2015

Town of Reading Municipal Light Board

Subject: Three Phase Pole Mounted Transformers

On May 20, 2015 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 | WESCO                  | Graybar Electric Company   |
| EDI               | Yale Electric          | Shamrock Power Sales, Inc. |
| JF Gray           | Ward Transformer Sales | Jordan Transformer         |
| Power Tech-UPSC   | Robinson Sales         | Stuart C. Irby             |

Bids were received from WESCO and Power Sales Group.

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

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

Move that bid 2015-30 for Three Phase Pole Mounted Transformers be awarded to:

**WESCO for a total cost of \$60,341.00**

| <u>Item (desc.)</u>               | <u>Qty</u> | <u>Manufacturer</u> | <u>Unit Cost</u> | <u>Total Net Cost</u> |
|-----------------------------------|------------|---------------------|------------------|-----------------------|
| 1 (30 kVa 13800 Delta 120/208)    | 2          | Power Partners      | \$3,222.00       | \$6,444.00            |
| 2 (30 kVa 13800 Delta 277/480)    | 3          | Power Partners      | \$2,971.00       | \$8,913.00            |
| 3 (45 kVa 13800 Delta 120/208)    | 6          | Power Partners      | \$3,139.00       | \$18,834.00           |
| 4 (75 kVa 13800 Delta 277/480)    | 3          | Power Partners      | \$3,510.00       | \$10,530.00           |
| 5 (112 ½ kVa 13800 Delta 277/480) | 4          | Power Partners      | \$3,905.00       | \$15,620.00           |

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



The FY15 Capital Budget allocation for the purchase of these units under the Transformer project was estimated at \$60,000 for 10 units. Earlier this Fiscal Year, the Department purchased 15 units for \$79,096 under bid 2015-09. These units are needed to replenish the transformer inventory and will be used for service upgrades, new services and the Transformer Maintenance Program.

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Coleen O'Brien

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Hamid Jaffari

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Peter Price

Three Phase Pole Mounted Transformers  
 Bid 2015-30

| 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 |
|--|----------------|-----------------|------------|-----|--------------------|--------------------------------|---------------------------|------------|----------------------|-----------------------------|---------------------------------------|----------------------|
| <b>WESCO</b>                             |                |                 |            |     |                    |                                |                           |            |                      |                             |                                       |                      |
| Item 1 (30 kVa 13800 Delta 120/208)      | Power Partners | 7-8 weeks ARO   | \$3,222.00 | 2   | \$6,444.00         | yes                            | yes                       | yes        | yes                  | yes                         | no                                    | yes                  |
| Item 2 (30 kVa 13800 Delta 277/480)      | Power Partners | 7-8 weeks ARO   | \$2,971.00 | 3   | \$8,913.00         |                                |                           |            |                      |                             |                                       |                      |
| Item 3 (45 kVa 13800 Delta 120/208)      | Power Partners | 7-8 weeks ARO   | \$3,139.00 | 6   | \$18,834.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 4 (75 kVa 13800 Delta 277/480)      | Power Partners | 7-8 weeks ARO   | \$3,510.00 | 3   | \$10,530.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 5 (112 1/2 kVa 13800 Delta 277/480) | Power Partners | 7-8 weeks ARO   | \$3,905.00 | 4   | \$15,620.00        |                                |                           |            |                      |                             |                                       |                      |
|  |                |                 |            |     | <u>\$60,341.00</u> |                                |                           |            |                      |                             |                                       |                      |
| <b>Power Sales</b>                       |                |                 |            |     |                    |                                |                           |            |                      |                             |                                       |                      |
| <b>Silicon Steel SJ-7600</b>             |                |                 |            |     |                    |                                |                           |            |                      |                             |                                       |                      |
| Item 1 (30 kVa 13800 Delta 120/208)      | Howard         | 10-12 weeks ARO | \$3,152.00 | 2   | \$6,304.00         | yes                            | yes                       | yes        | yes                  | yes                         | no                                    | yes                  |
| Item 2 (30 kVa 13800 Delta 277/480)      | Howard         | 10-12 weeks ARO | \$2,851.00 | 3   | \$8,553.00         |                                |                           |            |                      |                             |                                       |                      |
| Item 3 (45 kVa 13800 Delta 120/208)      | Howard         | 10-12 weeks ARO | \$3,783.00 | 6   | \$22,698.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 4 (75 kVa 13800 Delta 277/480)      | Howard         | 10-12 weeks ARO | \$4,436.00 | 3   | \$13,308.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 5 (112 1/2 kVa 13800 Delta 277/480) | Howard         | 10-12 weeks ARO | \$5,681.00 | 4   | \$22,724.00        |                                |                           |            |                      |                             |                                       |                      |
|  |                |                 |            |     | <u>\$73,587.00</u> |                                |                           |            |                      |                             |                                       |                      |
| <b>Power Sales</b>                       |                |                 |            |     |                    |                                |                           |            |                      |                             |                                       |                      |
| <b>Amorphous SJ-7606</b>                 |                |                 |            |     |                    |                                |                           |            |                      |                             |                                       |                      |
| Item 1 (30 kVa 13800 Delta 120/208)      | Howard         | 12-14 weeks ARO | \$3,268.00 | 2   | \$6,536.00         | yes                            | yes                       | yes        | yes                  | yes                         | no                                    | yes                  |
| Item 2 (30 kVa 13800 Delta 277/480)      | Howard         | 12-14 weeks ARO | \$3,138.00 | 3   | \$9,414.00         |                                |                           |            |                      |                             |                                       |                      |
| Item 3 (45 kVa 13800 Delta 120/208)      | Howard         | 12-14 weeks ARO | \$3,678.00 | 6   | \$22,068.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 4 (75 kVa 13800 Delta 277/480)      | Howard         | 12-14 weeks ARO | \$5,413.00 | 3   | \$16,239.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 5 (112 1/2 kVa 13800 Delta 277/480) | Howard         | 12-14 weeks ARO | \$5,693.00 | 4   | \$22,772.00        |                                |                           |            |                      |                             |                                       |                      |
|  |                |                 |            |     | <u>\$77,029.00</u> |                                |                           |            |                      |                             |                                       |                      |





Reading Municipal Light Department  
RELIABLE POWER FOR GENERATIONS

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

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

June 15, 2015

Town of Reading Municipal Light Board

Subject: Three Phase Pad Mounted Transformers (Dead Front)

On May 20, 2015 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle requesting proposals for Three Phase Pad 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. |
| JF Gray           | Ward Transformer Sales | Jordan Transformer         |
| Power Tech-UPSC   | Robinson Sales         | Stuart C. Irby             |

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

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

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

Move that bid 2015-32 for Three Phase Pad Mounted Transformers be awarded to:

**WESCO for a total cost of \$78,650.00**

| <u>Item (desc.)</u>        | <u>Qty</u> | <u>Manufacturer</u> | <u>Unit Cost</u> | <u>Total Net Cost</u> |
|----------------------------|------------|---------------------|------------------|-----------------------|
| 1 (225 kVa Delta 120/208)  | 2          | ABB                 | 6,616.00         | 13,232.00             |
| 2 (225 kVa Delta 277/480)  | 2          | ABB                 | 6,400.00         | 12,800.00             |
| 3 (300 kVa Delta 277/480)  | 2          | ABB                 | 7,011.00         | 14,022.00             |
| 4 (500 kVa Delta 120/208)  | 1          | ABB                 | 8,364.00         | 8,364.00              |
| 5 (750 kVa Delta 277/480)  | 1          | ABB                 | 12,495.00        | 12,495.00             |
| 6 (1500 kVa Delta 277/480) | 1          | ABB                 | 17,737.00        | 17,737.00             |

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 \$96,000 for 9 units. These units are needed to replenish the transformer inventory and will be used for service upgrades, new services and the Transformer Maintenance Program.

Coleen O'Brien

Hamid Jaffari

Peter Price

Three Phase Pad Mounted Transformers (Dead Front)  
 Bid 2015-32

| 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 |
|---------------------------------|--------------|----------------|-----------|-----|------------------|--------------------------------|---------------------------|------------|----------------------|-----------------------------|---------------------------------------|----------------------|
| <b>WESCO</b>                    |              |                |           |     |                  |                                |                           |            |                      |                             |                                       |                      |
| Item 1 (225 kVa Delta 120/208)  | ABB          | 6-8 weeks ARO  | 6,616.00  | 2   | 13,232.00        | yes                            | yes                       | yes        | yes                  | yes                         | no                                    | yes                  |
| Item 2 (225 kVa Delta 277/480)  | ABB          | 6-8 weeks ARO  | 6,400.00  | 2   | 12,800.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 3 (300 kVa Delta 277/480)  | ABB          | 6-8 weeks ARO  | 7,011.00  | 2   | 14,022.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 4 (500 kVa Delta 120/208)  | ABB          | 6-8 weeks ARO  | 8,364.00  | 1   | 8,364.00         |                                |                           |            |                      |                             |                                       |                      |
| Item 5 (750 kVa Delta 277/480)  | ABB          | 8-10 weeks ARO | 12,495.00 | 1   | 12,495.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 6 (1500 kVa Delta 277/480) | ABB          | 8-10 weeks ARO | 17,737.00 | 1   | 17,737.00        |                                |                           |            |                      |                             |                                       |                      |
|                                 |              |                |           |     | <u>78,650.00</u> |                                |                           |            |                      |                             |                                       |                      |
| <b>Power Sales</b>              |              |                |           |     |                  |                                |                           |            |                      |                             |                                       |                      |
| Item 1 (225 kVa Delta 120/208)  | Howard       | 8-10 weeks ARO | 6,765.00  | 2   | 13,530.00        | yes                            | yes                       | yes        | yes                  | yes                         | no                                    | yes                  |
| Item 2 (225 kVa Delta 277/480)  | Howard       | 8-10 weeks ARO | 6,530.00  | 2   | 13,060.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 3 (300 kVa Delta 277/480)  | Howard       | 8-10 weeks ARO | 7,520.00  | 2   | 15,040.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 4 (500 kVa Delta 120/208)  | Howard       | 8-10 weeks ARO | 11,052.00 | 1   | 11,052.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 5 (750 kVa Delta 277/480)  | Howard       | 8-10 weeks ARO | 11,616.00 | 1   | 11,616.00        |                                |                           |            |                      |                             |                                       |                      |
| Item 6 (1500 kVa Delta 277/480) | Howard       | 8-10 weeks ARO | 20,690.00 | 1   | 20,690.00        |                                |                           |            |                      |                             |                                       |                      |
|                                 |              |                |           |     | <u>84,988.00</u> |                                |                           |            |                      |                             |                                       |                      |

Non-responsive bidders:

Graybar Electric  
 Stuart C. Irby

Reason  
 bidding 2 manufacturers  
 bidding 2 manufacturers



**Reading Municipal Light Department**  
RELIABLE POWER FOR GENERATIONS

230 Ash Street  
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Tel: (781) 944-1340  
Fax: (781) 942-2409  
Web: [www.rmld.com](http://www.rmld.com)

June 15, 2015

Town of Reading Municipal Light Board

Subject: Three Phase Pad Mounted Transformers (Dead Front Loop Feed)

On May 20, 2015 a bid invitation was placed as a legal notice in the Middlesex East section of the Reading Chronicle requesting proposals for Three Phase Pad 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. |
| JF Gray           | Ward Transformer Sales | Jordan Transformer         |
| Power Tech-UPSC   | Robinson Sales         | Stuart C. Irby             |

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

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

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

Move that bid 2015-33 for Three Phase Pad Mounted Transformers be awarded to:

**Power Sales for a total cost of \$54,617.00**

| <u>Item (desc.)</u>       | <u>Qty</u> | <u>Manufacturer</u> | <u>Unit Cost</u> | <u>Total Net Cost</u> |
|---------------------------|------------|---------------------|------------------|-----------------------|
| 1 (300 kVa Delta 120/208) | 2          | Howard              | 9,097.00         | 18,194.00             |
| 2 (500 kVa Delta 120/208) | 3          | Howard              | 12,141.00        | 36,423.00             |

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 \$96,000 for 9 units. These units are needed to replenish the transformer inventory and will be used for service upgrades, new services and the Transformer Maintenance Program.

Coleen O'Brien

Hamid Jaffari

Peter Price

Three Phase Pad Mounted Transformers (Dead Front Loop Feed)  
 Bid 2015-33

| 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 (300 kVa Delta 120/208) | ABB              | 6-8 weeks ARO  | 7,958.00  | 2              | 15,916.00                      | no                        | yes        | yes                  | yes                         | no                                    | yes                  |
|  | Item 2 (500 kVa Delta 120/208) | ABB              | 6-8 weeks ARO  | 9,042.00  | 3              | 27,126.00                      |                           |            |                      |                             |                                       |                      |
|  |                                |                  |                |           |                | 43,042.00                      |                           |            |                      |                             |                                       |                      |
| Graybar  |                                |                  |                |           |                |                                |                           |            |                      |                             |                                       |                      |
|  | Item 1 (300 kVa Delta 120/208) | Cooper           | 12 weeks ARO   | 8,882.00  | 2              | 17,764.00                      | no                        | yes        | yes                  | yes                         | yes                                   | yes                  |
|  | Item 2 (500 kVa Delta 120/208) | Cooper           | 12 weeks ARO   | 9,572.00  | 3              | 28,716.00                      |                           |            |                      |                             |                                       |                      |
|  |                                |                  |                |           |                | 46,480.00                      |                           |            |                      |                             |                                       |                      |
| <b>Exception as noted:</b><br>Please see page 3 of the Cooper Power quote. |                                |                  |                |           |                |                                |                           |            |                      |                             |                                       |                      |
| Power Sales  |                                |                  |                |           |                |                                |                           |            |                      |                             |                                       |                      |
|  | Item 1 (300 kVa Delta 120/208) | Amorphous Howard | 8-10 weeks ARO | 9,097.00  | 2              | 18,194.00                      | yes                       | yes        | yes                  | yes                         | no                                    | yes                  |
|  | Item 2 (500 kVa Delta 120/208) | Howard           | 8-10 weeks ARO | 12,141.00 | 3              | 36,423.00                      |                           |            |                      |                             |                                       |                      |
|  |                                |                  |                |           |                | 54,617.00                      |                           |            |                      |                             |                                       |                      |

Non-responsive bidders:

Stuart C. Irby

WESCO

Graybar

Reason

bidding 2 manufacturers

Does not meet technical specifications. The Bid called for a 3 position sectionalizing switch. This manufacturer quoted a 2 position, 300 amp load break transformer switch.

Does not meet dimensional specifications. Bid called for a minimum combined compartment width of 84". This manufacturer quoted a width of 57".

## Jeanne Foti

---

**From:** Coleen O'Brien  
**Sent:** Wednesday, May 27, 2015 3:31 PM  
**To:** Tom O'Rourke  
**Cc:** Jeanne Foti  
**Subject:** Account Payable Warrant Question - May 22

**Categories:** Blue Category

Good afternoon: JCM is the warehouse behind 230 Ash Street that we rent space for inventory. The electric bill is sent to JCM who pays the bill and then bills back RMLD for the 66% portion. The bills sent to JCM are attached to show how the calculation is derived.

Thank you,

*Coleen M. O'Brien*

General Manager  
Reading Municipal Light Department  
230 Ash Street  
Reading, MA 01867

---

**From:** Jeanne Foti  
**Sent:** Tuesday, May 26, 2015 7:12 AM  
**To:** Coleen O'Brien  
**Subject:** Account Payable Warrant Question - May 22

O'Rourke

1. JCM Realty Trust – Is it \$632.29 or 610.93?

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

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

Please consider the environment before printing this e-mail.

**Jeanne Foti**

---

**From:** Coleen O'Brien  
**Sent:** Tuesday, June 02, 2015 3:12 PM  
**To:** Tom O'Rourke  
**Cc:** Dave Hennessy; David Talbot; John Stempeck; Phil Pacino; Jeanne Foti  
**Subject:** Account Payable Warrant Question - May 29  
**Attachments:** NW Pest Control Invoices.pdf  
  
**Categories:** Blue Category

Good afternoon Tom: This is the answer to your Accounts Payable question.

1. NW Pest Control – The \$70 invoice that follows looks like the same service location/date?

The quarterly pest control invoicing are as follows: the first invoice in the amount of \$67 is for RMLD's Sub Station (historic building) whose address is 226 Ash Street. The second invoice in the amount of \$70 is for RMLD's Office and Operation Center at 230 Ash Street. NW Pest Control bills RMLD separately for each of the buildings it services.

Thank you,

*Coleen M. O'Brien*

General Manager  
Reading Municipal Light Department  
230 Ash Street  
Reading, MA 01867





NW Pest Control  
28 Edgell Rd  
Waltham, MA 02451  
781-891-5313 office  
781-891-5946 fax  
service@nwpestcontrol.com

INVOICE 379082 Dated 4/22/2015

If you were unavailable the day of service and we were only able to do the exterior inspection and you would like interior service please call our office and we will arrange a date and time at no additional charge.

READING MUNICIPAL LIGHT DEPART  
230 ASH St  
Reading, MA 01867-3623

Acct # RM1341  
Lic#: 15310  
Purchase order 14-E00355  
Registration #: CD21A27B

| DESCRIPTION | INVOICE | DISCOUNT | TAX | QUANTITY | AMOUNT DUE |
|-------------|---------|----------|-----|----------|------------|
|-------------|---------|----------|-----|----------|------------|

For service at: RMLD SUB STATION 226 ASH St Reading, MA 01867

|                        |         |        |        |  |         |
|------------------------|---------|--------|--------|--|---------|
| Quarterly Pest Control | \$67.00 | \$0.00 | \$0.00 |  | \$67.00 |
|------------------------|---------|--------|--------|--|---------|

Total Payment Amount: \$0.00

PLEASE REMIT \$67.00

VENDOR # 00363  
POST DATE 5/9/15  
VOUCHER #  
CHECK DATE 6/9/15  
CHECK #  
CALC. CHECK 5/14/15  
APPROVED BY *Paul J. O'Reay* 5/14/2015  
G/L ACCOUNT # 01-64-5933-103

OK to pay  
P.A. Melillo  
5/14/15

Acct # RM1341  
READING MUNICIPAL LIGHT DEPART

INVOICE 379082 Dated 4/22/2015  
PLEASE REMIT \$67.00

PL

The 370 invoice  
this follows looks  
like the same  
service location ADAMS?

*T. O. R.*  
5/11/15

MENT

s (circle one)

Date

e:

YES NO



NW Pest Control  
28 Edgell Rd  
Waltham, MA 02451  
781-891-5313 office  
781-891-5948 fax  
service@nwpestcontrol.com

INVOICE 378591 Dated 4/22/2015

If you were unavailable the day of service and we were only able to do the exterior inspection and you would like interior service please call our office and we will arrange a date and time at no additional charge.

READING MUNICIPAL LIGHT DEPART  
230 ASH St  
Reading, MA 01867-3623

Acct # RM1341  
Lic#: 15310  
Purchase order 14-E00355  
Registration #: CD21A27B

| DESCRIPTION | INVOICE | DISCOUNT | TAX | QUANTITY | AMOUNT DUE |
|-------------|---------|----------|-----|----------|------------|
|-------------|---------|----------|-----|----------|------------|

For service at: RMLD MAIN BUILDING 230 ASH St Reading, MA 01867-3623

|                        |         |        |        |  |         |
|------------------------|---------|--------|--------|--|---------|
| Quarterly Pest Control | \$70.00 | \$0.00 | \$0.00 |  | \$70.00 |
|------------------------|---------|--------|--------|--|---------|

Total Payment Amount: \$0.00

PLEASE REMIT \$70.00

VENDOR # 00363  
POST DATE 5/29/15  
VOUCHER #  
CHECK DATE 6/9/15  
CHECK #  
CALC. CHECK 5/14/15  
APPROVED BY [Signature] 5/14/2015  
GL ACCOUNT # 01-64-8932-105

OK to pay  
P.A. Mullins  
5/14/15

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

Amt. Paid \_\_\_\_\_ Check # \_\_\_\_\_

Visa, Master Card, Discover, American Express (circle one)

Card# \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_ V code \_\_\_\_\_

Place credit card on file for automatic payment? YES NO

Email for service reminders \_\_\_\_\_

Acct # RM1341  
READING MUNICIPAL LIGHT DEPART

INVOICE 378591 Dated 4/22/2015  
PLEASE REMIT \$70.00



## Jeanne Foti

---

**From:** Coleen O'Brien  
**Sent:** Friday, June 19, 2015 12:28 PM  
**To:** Tom O'Rourke  
**Cc:** Dave Hennessy; David Talbot; John Stempeck; Phil Pacino; Jeanne Foti  
**Subject:** Payroll Question June 15, 2015

**Categories:** Blue Category

Good afternoon:

The following are questions on the Payroll:

1. Leader Lineworker – Please check overtime calculations they do not seem to compute.
2. Leader Lineworker – Overtime at 1 ½ times why different rates?

Overtime is calculated on a weekly basis using Fair Labor Standard Act (FLSA) for all employees in the CT and LMS unions along with the Administrative Assistants in the 103 union. The items that are included in the calculation are Stand By pay, longevity, shift, and boot/clothing allowances.

Stand by Pays:

**Stand by A:** is when a lineman is on call for a week that does not include a holiday. The employee receives 12 hours of regular pay to be on call. The dollar total is divided by 40 hour week and added to the regular rate before overtime is calculated.

**Stand by B:** is similar to A, but it is when a lineman is on call during a week that includes a holiday. The employee receives 16 hours of regular pay to be on call. The dollar total is divided by 40 hour week and added to the regular rate before overtime is calculated.

**Stand by C:** stand by C is the overnight on call for the trouble man shift. It is 75 cents per hour on regular days and \$ 1.25 on holidays. Total dollars is divided by 40 hours and added to regular rate.

You can only have 1 type of stand by pay for the week. If you have both, the highest one will be used.

**Shift:** Employees who normal shift is second and third shift during the weekday and all shifts during the weekend. This pertains to the station operators and troublemen. It is \$ 1.30 per hour worked. Weekly total from shift is divided by 40 and added to the regular rate.

**Longevity-** employees yearly longevity is divided by 2080 and added to the regular rate.

**Boot/clothing -** similar to longevity this amount is divided by 2080 and added to the regular rate. The four employees who receive this is Facility Techs and stockman.

**BOTTOM LINE: The FLSA "Standby A" Overtime includes longevity, clothing, and boot allowance. This is an "on call" standby rate, which is not to be confused with a regular overtime rate. Therefore, the time and one half rates would be different.**

**If you have any questions, please call me.**

*Coleen M. O'Brien*

General Manager

Reading Municipal Light Department

230 Ash Street

Reading, MA 01867



**Jeanne Foti**

---

**From:** Jeanne Foti  
**Sent:** Friday, June 19, 2015 2:13 PM  
**To:** RMLD Board Members Group  
**Subject:** Account Payable and Payroll Questions

Good afternoon.

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

**Account Payable Warrant – No Questions**

June 5 and June 12

**Payroll – No Questions**

June 1

This e-mail will be printed for the Board Packet for the RMLD Board meeting on June 25, 2015.

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

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

Please consider the environment before printing this e-mail.

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

June-15

|                                 | RESIDENTIAL<br>750 kWh's | RESIDENTIAL-TOU<br>1500 kWh's<br>75/25 Split | RES. HOT WATER<br>1000 kWh's | COMMERCIAL<br>7,300 kWh's<br>25,000 kW Demand | SMALL COMMERCIAL<br>1,080 kWh's<br>10,000 kW Demand | SCHOOL RATE<br>35000 kWh's<br>130.5 kW Demand | INDUSTRIAL - TOU<br>109,500 kWh's<br>250,000 kW Demand<br>80/20 Split |
|---------------------------------|--------------------------|--|------------------------------|---|---|---|---|
| READING MUNICIPAL LIGHT DEPT.   |                          |  |                              |   |   |   |   |
| TOTAL BILL                      | \$100.41                 | \$174.80                                     | \$123.16                     | \$904.35                                      | \$175.46  | \$4,218.10                                    | \$685,719.39  |
| PER KWH CHARGE                  | \$0.13388                | \$0.11653                                    | \$0.12316                    | \$0.12388                                     | \$0.16246   | \$0.12052                                     | \$0.09967   |
| NATIONAL GRID                   |                          |  |                              |   |   |   |   |
| TOTAL BILL                      | \$128.23                 | \$250.68                                     | \$170.97                     | \$1,284.84                                    | \$184.71  | \$5,026.87                                    | \$843,563.59  |
| PER KWH CHARGE                  | \$0.17098                | \$0.16712                                    | \$0.17097                    | \$0.17601                                     | \$0.17103   | \$0.14362                                     | \$0.12262   |
| % DIFFERENCE                    | 27.71%                   | 43.41%                                       | 38.81%                       | 42.07%  | 5.28%   | 19.17%  | 23.02%  |
| EVERSOURCE(NSTAR)               |                          |  |                              |   |   |   |   |
| TOTAL BILL                      | \$180.21                 | \$356.82                                     | \$238.13                     | \$1,805.22                                    | \$256.81  | \$8,881.00                                    | \$905,682.70  |
| PER KWH CHARGE                  | \$0.24027                | \$0.23788                                    | \$0.23813                    | \$0.24729                                     | \$0.23779   | \$0.25374                                     | \$0.13165   |
| % DIFFERENCE                    | 79.47%                   | 104.13%                                      | 93.34%                       | 99.62%  | 46.37%  | 110.54%                                       | 32.08%  |
| PEABODY MUNICIPAL LIGHT PLANT   |                          |  |                              |   |   |   |   |
| TOTAL BILL                      | \$90.35                  | \$174.60                                     | \$118.43                     | \$947.57                                      | \$146.69  | \$4,686.48                                    | \$634,952.17  |
| PER KWH CHARGE                  | \$0.12046                | \$0.11640                                    | \$0.11843                    | \$0.12980                                     | \$0.13583   | \$0.13390                                     | \$0.09229   |
| % DIFFERENCE                    | -10.02%                  | -0.11%                                       | -3.84%                       | 4.78%   | -16.39%   | 11.10%  | -7.40%  |
| 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                    | -0.64%                   | 13.49%                                       | 7.69%                        | 6.10%   | -4.00%  | 12.92%  | 17.71%  |
| WAKEFIELD MUNICIPAL LIGHT DEPT. |                          |  |                              |   |   |   |   |
| TOTAL BILL                      | \$126.74                 | \$235.92                                     | \$159.38                     | \$1,202.79                                    | \$191.68  | \$5,648.08                                    | \$955,959.30  |
| PER KWH CHARGE                  | \$0.16898                | \$0.15728                                    | \$0.15938                    | \$0.16477                                     | \$0.17749   | \$0.16137                                     | \$0.13896   |
| % DIFFERENCE                    | 26.22%                   | 34.97%                                       | 29.40%                       | 33.00%  | 9.25%   | 33.90%  | 39.41%  |