

**Reading Municipal Light Board of Commissioners**  
**Regular Session**  
**230 Ash Street**  
**Reading, MA 01867**  
**March 31, 2016**

**Start Time of Regular Session: 7:35 p.m.**  
**End Time of Regular Session: 9:45 p.m.**

**Commissioners:**

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

**Staff:**

<b>Coleen O'Brien, General Manager</b>	<b>Jeanne Foti, Executive Assistant</b>
<b>Bob Fournier, Accounting/Business Manager</b>	<b>Wendy Markiewicz, Senior Accountant</b>
<b>Jane Parenteau, Director of Integrated Resources</b>	

**Citizens' Advisory Board:**

**Mark Chrisos, Member**

**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 acknowledged CAB representative, Mr. Mark Chrisos for joining the Board at the meeting this evening.

Chairman O'Rourke stated that Mr. Dave Talbot is running late and asked RMLD Board Commissioner, Mr. Dave Hennessy, to act as Board Secretary for this evening's meeting.

**Public Comment**

There was no public comment.

**Report RMLD Board Member Attendance at RMLD Citizens' Advisory Board Meeting**

**Commissioner Pacino attended the CAB meeting on February 24, 2016**

Mr. Pacino reported that he attended the CAB meeting on February 24 in which there was various discussions. One topic addressed was the recent storms and related outage information that the RMLD provides through its APP and website. The home electric safety update was presented. Mr. Pacino said that Ms. O'Brien will be putting together a YouTube video to educate customers on home electric safety. There was discussion on a proposed distributive generator with some good feedback provided on by the CAB members relative to the payback calculation and impact on neighbors on the potential site. There was a status update on the Organizational and Reliability Study.

Mr. Talbot asked what was the substance of the questions were relative to the distributive generation. Mr. Pacino responded that the discussion addressed the fact that the distributed generation is only in the proposal state. The questions were where the unit would be situated and built, potential noise levels as well as speaking to neighbors that may be potentially affected. Also, there was discussion on the cost associated with the project along with the payback period.

**Chairman O'Rourke attended the CAB meeting on March 23, 2016**

Chairman O'Rourke reported that Ms. O'Brien presented the dashboards, the process for the CAB, Board and staff. There was discussion on the new way of contacting employees to come in for outage restoration during outages instead of the traditional phoning in. Ms. O'Brien explained that the RMLD will be using Skype for business this will alleviate the manual calling out. The Skype sends out an automatic call out message sent out by the Control Center employee explaining the needs during an outage for RMLD employees to come in. The RMLD employee can respond by phone which can be switched to text. Ms. O'Brien added that the goal is to minimize the amount of calls that come into the Control Room for safety purposes and being more efficient. Chairman O'Rourke mentioned that Skype for business can also be utilized for online meetings. Mr. Chrisos added that Ms. O'Brien did explain that by using such tools as the website, RMLD's APP and Skype frees up the Control Center operators to make the control room operations more efficient and quickly addressed during outages.

Chairman O'Rourke reported that the capital and operating budgets will be presented in separate meetings by both Boards. The operating budget will not be voted on until the capital budget is presented.

**Chairman O'Rourke attended the CAB meeting on March 23, 2016**

Ms. O'Brien added that as indicated from two years ago when going through the operating budget, Ms. Parenteau will be having a rate discussion. RMLD is trying to get the information to the towns for their budgets. There will be a rate discussion as well as RMLD's Terms and Conditions. The RMLD's Terms and Conditions are being revised and have had legal review, but must be filed with the Department of Public Utilities (DPU) with the rates. Ms. O'Brien stated that Chris Pollart, Rubin and Rudman will be in attendance at the meeting for the Terms and Conditions. The rates and Terms and Conditions will be filed with the DPU for an implementation date of July 1.

**Report of the Chairman of the Board**

**General Manager Vehicle Allowance**

Chairman O'Rourke reported at a General Manager Committee meeting in October, one of the items discussed the transitioning out of a company vehicle to a vehicle allowance, but more data needs to be reviewed and will vote this at the next Board meeting.

**Reorganization of RMLD Board**

**Chairman**

Mr. Talbot made a motion seconded by Mr. Pacino to nominate Mr. O'Rourke for Chairman of the RMLD Board of Commissioners.

Mr. Pacino made a motion seconded by Mr. Stempeck to close the nomination.

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

Mr. Talbot made a motion seconded by Mr. Pacino to nominate Mr. O'Rourke for Chairman of the RMLD Board of Commissioners.

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

**Vice Chairman**

Chairman O'Rourke canvassed the Board members if there was any strong interest for Vice Chairman. Mr. Talbot said that he is happy to pass the baton. Mr. Stempeck added that whoever is Vice Chairman would segue into the Chairman position. Mr. Talbot commented that Mr. Hennessy could be considered, Mr. Hennessy said that he needs more experience. Mr. Talbot said that he would like that Mr. Pacino to be considered for Vice Chairman.

Mr. Pacino made a motion seconded by Mr. Stempeck to nominate Mr. Talbot for Vice Chairman of the RMLD Board of Commissioners. No vote was taken.

Chairman O'Rourke made a motion seconded by Mr. Stempeck to nominate Mr. Pacino for Vice Chairman of the RMLD Board of Commissioners.

Mr. Pacino made a motion seconded by Mr. Stempeck to close the nomination.

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

Mr. Talbot made a motion seconded by Mr. Pacino to nominate Mr. Pacino for Vice Chairman of the RMLD Board of Commissioners.

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

**Audit (Including Town of Reading Audit)**

*Philip Pacino, Chair and serve on the Town of Reading Audit Committee*

*John Stempeck*

**Policy Committee**

*Dave Hennessy, Chair*

*Philip Pacino*

*David Talbot*

**General Manager Committee**

*Thomas O'Rourke, Chair*

*John Stempeck*

*David Talbot*

The Account Payable and Payroll rotation will be changed to have Dave Hennessy to be in a non back up role and Phil Pacino will take over the backup role.

Mr. Pacino made a motion seconded by Mr. Stempeck that all the appointments be approved as presented, Audit Committee, Policy Committee General Manager Committee, Account Payable Warrant and Payroll.

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



## **Report of the Chairman of the Board**

### **Peak Reduction**

Chairman O'Rourke said that the RMLD has various programs to address reducing peak reduction and capacity which provides tremendous opportunity for significant savings to the RMLD. Chairman O'Rourke stated that he would like Ms. O'Brien and the staff to make a presentation at the next Board meeting. The presentation could address what the RMLD has in place for the short term as well as for the long term to address peak reduction. From the presentation there can be discussion on what might be some reasonable expectations/goals. Chairman O'Rourke said that what he would like to see measures for improvement of peak reduction.

Chairman O'Rourke stated that he would like to have a presentation to address this. To set a goal, one has to understand the magnitude of opportunity. Once staff has made its presentation then it would be reasonable to set a goal of "X%" better, put a timeframe not as a punitive measure, but to establish a reasonable goal. Chairman O'Rourke noted that at the last Board meeting significant savings were discussed by reducing the peak by some incremental improvements.

Mr. Stempeck stated that it is reasonable to have a goal, however, by using a reasonable approach. By looking at the number of different opportunities the commission members have an idea of how some of these goals can be realized. For example, Mr. Talbot mentioned a more aggressive campaign for the hot water heater program there is not enough motivation to put special meters in homes. Maybe a trial program could be considered. The cost versus the payback would be from a public relations and marketing perspective. There could be a list of four or ten alternatives in which the commission members could weigh in on and put their thoughts on. Trying to predict peak power is difficult because you do not know when it is going to happen. Mr. Stempeck said that Mr. Talbot could weigh in to what other utilities are doing. It will be good to have a list of what would be real in aiding in peak reduction that could be accomplished at the RMLD.

Chairman O'Rourke pointed out that the challenge is that much of this is beyond the direct control with cross functional goals. This depends on others to achieve the goal. Part of the role is everyone has the same end game they want to achieve. Engaging the commission members in the peak reduction because much of this involves public response may assist in reducing the peak. Peak capacity is difficult to chase on any given day to mitigate the peak, not knowing the exact day or time in advance. Mr. Talbot stated that he would like to hear from Ms. O'Brien.

Ms. O'Brien stated that the Department has been working on a variety of programs. Some of them are within RMLD's ability to achieve, some we count on the public as well as commercial customers. We set up incentive programs with our commercial customers to curtail. They may not want to curtail that day because of their production. This is why the RMLD has more than one program to work in parallel to get the most out of each. Ms. O'Brien stated that Ms. Parenteau will be putting a list of what programs RMLD has and expect to do with them. If you have any general topics she would like to hear them now so they can be evaluated. Ms. O'Brien said that she likes goals, however, cautioned with goals there also can be barriers that will be described.

Mr. Talbot said that if he understands correctly, if the RMLD cuts a megawatt off the peak it was \$60,000 of savings last year, but this year it will be \$200,000. Ms. Parenteau said that \$200,000 is for capacity and transmission that is assuming the one month capacity peak and twelve months of transmission. Mr. Talbot stated that if the RMLD can save one megawatt, it is \$200,000 versus \$60,000 and if the RMLD can save five megawatts it will be \$1 million. Mr. Talbot said that the peak shaving is a priority for the organization. Mr. Talbot said that in three months there will be a peak coming up and the long term items will not kick in by that time. Mr. Talbot stated that he would like to have a broad-based communications plan enacted that can be implemented on the peak days as defined by ISO. Mr. Talbot said that as he understands it, on the morning of a likely peak day, ISO informs you that the peak could be that day. It is a handful of days over the summer, three to five days? Ms. Parenteau stated that is correct. The RMLD also has a partnership with Tangent where they have algorithms and models in which they notify the RMLD of a window of opportunity for both the transmission peak and annual peak. Mr. Talbot stated that the net effect of this is that are four to five days annually that the RMLD knows this could be where if four megawatts are shaved then the RMLD would save \$800,000. Ms. Parenteau clarified that it is six to eight per month for July and August, this is all heat related. Additionally, the \$800K includes 12 months of transmission reduction of 4 Mws each month. Mr. Talbot said that Concord Municipal Light Plant has a program on the morning of the likely peak days they have roll out a massive communications campaign to their customers. They have a social media platform and have hundreds of people who are ready to respond to the utility and respond the message out to the population. This costs nothing and could be implemented quickly especially where RMLD has Twitter. Ms. O'Brien stated that this is what the RMLD has been gearing up for this year. The RMLD has been running the campaign for the e-mails, implemented Twitter and for the peak day, the RMLD can communicate with the police departments for their reverse 911 systems and school systems to send out the notices. Mr. Talbot said that there was not a push last summer. Ms. Parenteau stated that it happened on the commercial side not necessarily on the residential side. Mr. Talbot said that is great RMLD has Twitter for outages, but also incorporate it for the peak reduction. Ms. O'Brien added that the intent of Twitter was for outages, peak reduction as well as REMVEC notifications. Ms. O'Brien reported that REMVEC sends out power warnings, power cautions if the ISO New England grid is not stable with sufficient capacity they will call for load reduction or other appeals that may not be coincident with the peak.



## **Report of the Chairman of the Board**

### **Peak Reduction**

Mr. Talbot said that he has been on the water heater demand controls for the past three years. Ms. Parenteau pointed out that the RMLD is working on the water heater demand program. They are doing an audit of the communication between the RMLD and the water heaters. Mr. Talbot said that there needs to be new ways to reach out to customers about this such as a social media campaign.

Mr. Talbot said that on peak days, peak reduction should be a priority. Mr. Hennessy asked Mr. Talbot if there is anything that the RMLD can learn from Concord. Mr. Talbot replied that he will provide the information he has from Concord. Mr. Talbot said that some of the measure may not only be the peak reduction, but also how well we were in reaching RMLD customers. Mr. Hennessy pointed out the wording selected by Concord affected responses from customers.

Mr. Talbot pointed out that in December, there was a seventy degree day and there could be many other similar weather anomalies. Mr. Talbot said that due to the weather changes, RMLD could get a prolonged heat wave that would cost RMLD money, enhanced RMLD communications could react to this. SmartGrid and voltage reduction are additional great tools to reduce the peak. Chairman O'Rourke asked what can be measured that would improve the reduction of the peak.

Ms. O'Brien clarified that the Department is going to present a chart that demonstrates what Integrated Resources programs are in addition to the recent seven additional programs that have been added within the last two year's programs. Ms. O'Brien said that the hot water heater program is not as simple as putting in a water heater module. An electrician came in to the RMLD to perform training on the water heater program. Ms. O'Brien explained that Ms. Parenteau will have a chart that shows a component of RMLD's peak demand program, here is where we are, the communications systems, barriers for implementation and what we expect/goal, this is how it was achieved. The RMLD is an electric utility, not electricians and there are lines of demarcation on the program; RMLD and customer ownership and responsibilities, i.e., loss of hot water, etc.

Chairman O'Rourke said that he would like Ms. O'Brien and Ms. Parenteau to provide the Board with the information peak reduction programs via the informational presentation and at that point the Board can provide some input for more or less.

Mr. Chrisos stated that what Ms. O'Brien has outlined relative to the whole communication program is great. Mr. Chrisos pointed out that there should be a specific communications plan specific to address notifications to all the customers in the town's specific to those days, forget about the water heater for a minute and commercial customers. Mr. Chrisos said that what he heard when you get a communications plan and say hypothetically, July 10 when the expected peak is going to happen, Twitter, e-mails whatever, a simple plan that can be communicated to everyone instantly. Ms. O'Brien said that last year, the RMLD ran a campaign to encourage the increase in e-mails from customers as a mode of communication. Constant Contact, the town's 911 system will be utilized. Ms. O'Brien said that the database is being built. If you were to check with Concord, they have a great communications program they have been working on e-mails and texts for a long time. Mr. Talbot said that it is not only a top down operation from Ms. O'Brien and Ms. Parenteau. Mr. Talbot pointed out that in Reading, there is a Parent's Network on Facebook page he could post it himself and this will spread the message incrementally causing leveraging. Mr. Talbot mentioned that the Climate Committee is another source to get this information out. Chairman O'Rourke said that once the RMLD Board has the peak reduction presentation then the CAB will see it to get their support. Ms. O'Brien agreed.

## **Report of RMLD Board Committee**

### **Fiber Optic Committee Meeting – Vice Chair Talbot**

Mr. Talbot reported that Raj Singh an unpaid consultant from RDDI spoke at the last Fiber Optic Committee meeting. The concept is to see if there is a market for internet access product down the road. The first step is to examine what the cost is to provide service to a business zone to see what it would cost the RMLD to undertake this endeavor and what the market opportunity might be. This economic development emphasis would be the rationale. Fiber is a tool for economic development as well as load growth to attract businesses. Mr. Talbot noted that Mr. Singh submitted a very low cost proposal for a section of Wilmington. It would give the RMLD a sense of where RMLD has its existing fiber and the cost of installing drops to the industrial area of Wilmington. Chairman O'Rourke noted that at the Fiber Optic Committee meeting there were ideas, suggestions and discussion on what possible location to put the fiber. The consensus of the Board was the best way to get their arms around this was to have a pilot. The cost for the study is \$9,000. Mr. Talbot pointed out that seven other Massachusetts municipalities are offering internet connection. Ms. O'Brien clarified that she is under the impression that this falls into economic development for electric RMLD growth. The Board agreed. Mr. Talbot said that this is for the benefit for the four communities RMLD serves. Mr. Pacino added that the main goal is for the electric growth. Mr. Pacino said that with added conservation efforts to mitigate rate increases the RMLD needs growth. Mr. Talbot said that the primary mission at the RMLD is to have a sustainable business which primarily consists of selling electricity, load growth translates into more electric sales by attracting businesses with fiber. Ms. O'Brien stated that part of the scope for Mr. Singh would be to look at the economic development and growth of RMLD's electric sales. Ms. O'Brien said that the RMLD does look at how it can add to its customer base. Chairman O'Rourke said that one of the questions that was raised and he is unsure if it was answered was that it comes to the cost profile what the dedicated cost versus allocated costs to RMLD for this type of program. What would be the additional staff that would be required for the purpose of fiber optics?



## **Report of RMLD Board Committee**

### **Fiber Optic Committee Meeting – Vice Chair Talbot**

Ms. O'Brien said that drops of RMLD's existing fiber loop is a good test, but if the next phase should arise, Mr. Pollart from Rubin & Rudman would have to come in to discuss the legalities of separating the two businesses. Mr. Talbot suggested discussing this on an informal basis, Jim Lavelle, Holyoke Gas & Electric Department and Ken Goulart from Taunton Municipal Lighting Plant who could provide overview from their practical experience.

## **Approval of Board Minutes**

### **October 29, 2015 and December 10, 2015**

Mr. Pacino made a motion seconded by Mr. Stempeck to approve the Regular Session meeting minutes of October 29, 2015 as presented.

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

Mr. Pacino made a motion seconded by Mr. Stempeck to approve the Regular Session meeting minutes of December 10, 2015 as presented.

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

Ms. O'Brien requested that the Financial Report and the IFB 2016-22 Mailing Services for Municipal Electric Bills be taken out of order.

### **Financial Report – January and February 2016 – Ms. Markiewicz (Attachment 1)**

Ms. Markiewicz reported on the February 2016 Financial Report. Ms. Markiewicz stated that Net Income or positive change in Net Assets was \$369,181 thereby increasing the year to date Net Income to \$888,648. The graph shows the actual to budgeted fluctuation patterns by month due to timing and other variables. The year to date budgeted Net Income was \$2.3 million, resulting in Net Income being under budget by \$1.4 million or 61.54%. This graph reflects the year to date budgeted amounts to actual were pretty accurate until the last couple of months because MMWEC recently started increasing their work in capital requirements which increased the RMLD's capacity expense.

Year to date Base Revenues exceeded the budgeted amount by \$207,400 or 1.31%. Actual Base Revenues were approximately \$16 million compared to the budgeted amount of \$15.8 million showing Base Revenues to be very close to budget. Year to date Purchased Power Base expense was over budget by \$738,000 or 3.6%. Actual Purchased Power Base costs were \$20.4 million and budgeted Power Base costs were \$21.1million.

The Purchased Power Fuel expense was over budget by \$85,000. Actual Purchased Power Fuel was \$24 million and the budgeted cost was \$23.9 million.

The Operating and Maintenance expenses combined were under budget by \$801,000 or 8.2%. Actual Operating and Maintenance expenses were \$9 million while budgeted expenses were \$9.8 million. Energy Conservation was under budget by \$245,000 due to the timing of the process in the programs. Tree trimming expense is under budget by \$195,000 due to the lack of any major storms.

Hazardous Waste was under budget by \$136,000 there haven't been any major hazardous material expenses. Maintenance of Garage & Stockroom was under budget by \$85,000 because the lift equipment hasn't been removed.

Overall cash is a very healthy \$36.3 million. The pie chart shows the percentage and amount of each account. The Operating Fund was \$14.6 million, the Capital Fund \$5.5 million, Rate Stabilization Fund was \$6.8 million, Deferred Fuel Fund was \$3.6 million and Energy Conservation Fund was \$743,643. The year to date kilowatt hour sales were 461.9 million which is 14.4 million kilowatt hours or 3.1% behind last year's actual figures.

Ms. O'Brien commented that Ms. Markiewicz did a great job with the charts. The Board concurred.

### **IFB 2016-22 Mailing Services for Municipal Electric Bills – Mr. Fournier**

Mr. Fournier reported that the RMLD went out to bid mid-January sending out fifteen bids with four responses. Before the bid was awarded, the RMLD tested to make sure the potential vendor could perform the billing function to RMLD's standards. Chairman O'Rourke asked how many customers are paying online. Mr. Fournier responded that approximately 6,000 customers are paperless of the 29,000 accounts. Mr. Fournier said that the RMLD does pay for the paperless customers for a minimal fee to Invoice Cloud. Mr. Fournier said that RMLD has provided some incentive for customers in the past to sign up for paperless billing such as an iPod or iPad.

Mr. Stempeck asked if the vendor has a minimum quantity and is it a fixed or variable cost. Mr. Fournier responded that it is a variable cost based on the amount processed. Chairman O'Rourke asked what is the bid pricing compared to the previous vendor.

**Financial Report – January and February 2016 – Ms. Markiewicz (Attachment 1)**

**IFB 2016-22 Mailing Services for Municipal Electric Bills – Mr. Fournier**

Mr. Fournier replied that the current proposed vendor came in significantly lower. Chairman O'Rourke asked if using a mail service is a recent occurrence at the RMLD. Mr. Fournier responded that the RMLD has utilized mailing services over the last three years.

Mr. Talbot asked what the savings would be. Mr. Fournier replied that the cost with this new vendor would be \$10,000 to \$12,000 annually.

Mr. Pacino made a motion seconded by Mr. Stempeck that IFB 2016-22 - Mailing Services for Municipal Electric Bills be awarded to Data Integrators for \$55,332 for a three (3) year total (\$18,444/year), as the lowest qualified, responsive and responsible bidder on the recommendation of the General Manager.

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

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

Ms. O'Brien said that she wanted to clarify Mr. Fournier's statement in which there was a raffle for iPod for anyone signed up for a certain period of time for paperless billing, it will not be an iPod per person, but the customers who sign up will be on a lottery pool for one iPod. This incentive is being used to expand RMLD's electronic customer contact database.

Ms. O'Brien said that the Operating and Capital Budgets will be sent electronically with the exception of the capital summary sheet due to its physical layout. Ms. O'Brien said that Ms. Rybak did a great job on the Capital Budget.

**Organizational and Reliability Study Update**

Ms. O'Brien stated that Mr. Jaffari is not present at this meeting because he is teaching a class for ECNE to keep local power engineers up to date and safe.

Ms. O'Brien said that she has provided timelines for Leidos on the Organizational Study side and Booth & Associates on the Reliability Study. As requested by the CAB, once a quarter an update would be provided. Ms. O'Brien commented that such items listed such as changing corporate culture cannot be committed to quarter one due to the fact this is an ongoing process of training, team meetings, Career Development Plans, etc. Ms. O'Brien asked the Board if they have any questions. Chairman O'Rourke said that some of the items listed are journeys, then asked are there some items that are overdue. Ms. O'Brien responded that for the Organizational Study timeline it is more the recommendations made which the RMLD accepted. Ms. O'Brien said that everything is being addressed; the recommendations have been started and are being implemented in parallel.

Mr. Hennessy clarified that in the Organizational and Reliability study, "Provide management and leadership training" some of that is currently being done this quarter. Ms. O'Brien responded that training has and is being provided to management. Mr. Hennessy asked who participates in the management training. Is the General Manager's Direct Reports or engineering management. Ms. O'Brien explained that with Leidos recommendation, each employee has a Career Development Program. Ms. O'Brien provided an example of a Leader Lineman they will have the first level of supervisory training in a management class provided by Fred Pryor. Ms. O'Brien said that the goal has been met by implementing training in each employees' training schedule and budgeted for implementation. Mr. Hennessy clarified that it is customized for each employee. Ms. O'Brien concurred.

Ms. O'Brien said that as far as the Booth & Associates Study on the Reliability side, Mr. Jaffari is not present, but he has addressed the items that were accepted by the RMLD. RMLD came up with alternate solutions that were more efficient and cost effective to achieve those means and objectives. Ms. O'Brien said that Mr. Jaffari has completed many items and others are in progress. Ms. O'Brien said that at the CAB meeting there was a question relative to a safety issue relative to the grounding of all the fences at the substations which has been completed.

Chairman O'Rourke said that he likes the spreadsheet format because it holds everyone accountable.

Ms. O'Brien said that the RMLD is almost completed with the Career Development process. Many of the job descriptions have been updated, wages evaluated, etc. The triangulation of market value, job description and Career Development has been sent back to Leidos for review. Ms. O'Brien explained that Leidos is in the second phase of this process. They are assisting the RMLD to verify what RMLD has completed, working as an independent review which has been a big undertaking. Ms. O'Brien said that Leidos has just sent a spreadsheet back to RMLD outlining their comments on job descriptions, etc.

Chairman O'Rourke asked relative to Leidos, is it a fix fee based. Ms. O'Brien explained that the Leidos scope was in phases. Ms. O'Brien pointed out that Booth's work is completed. Ms. O'Brien said that the last phase Leidos will support the process/co-manage the strategic plan. There is buy in for the strategic plan when it is written by the company.

**RMLD Surplus**

Ms. O'Brien reported that under the Reading Municipal Light Department's (RMLD's) Policy #2, Surplus Material, the RMLD has available to offer the following at a fair market value price of \$2,000.00, Spacesaver High-Density Mobile storage system,



### **RMLD Surplus**

Manufacture: Systematics, Inc. A Systec Partner, Authorized Sales and Service 800-229-8393, Size: Four Units 86"h x 40"w x 24"d, One unit 88"h x 40"w x 16"d. A photo of the system was sent out with the surplus offer. If the towns want to view the system they can contact Paula O'Leary. This item is being offered on a first come, first served basis to all four RMLD service communities. Ms. O'Brien said that this unit is a file rack that you would see in a doctor's office with hanging file folders. That area of the building is being reorganized for a more efficient use of that space. Ms. O'Brien reported that this is in conjunction with the fact that the RMLD had a records retention program to eliminate paper that was permissible under Records Retention law. A company came out to onsite shredding for the RMLD as part of this effort. Ms. O'Brien pointed out that once the files are pulled out the tracks cannot be reused, it is also on Municibid and if there is no interest it will become scrap.

### **Change in RMLD Board Meeting Schedule**

Ms. O'Brien reported that the change in the RMLD Board meeting schedule has been discussed with the CAB as well. Technically, the RMLD receives information from MMWEC on power supply on the twentieth of the month. Currently, we have been jumping through hoops to get the data, but she and the team feel the data has not been scrubbed in a manner for quality control. Ms. O'Brien said that the CAB could meet on the first week of the month then the Board could meet thereafter, the second week of the month. This way the Board is getting information that is scrubbed and staff has had a meeting to go over the numbers. Ms. O'Brien said that we are trying to present to the CAB then to the Board, similar to the budget process. Ms. O'Brien pointed out that the CAB has requested the Financial Report be part of their meeting.

Chairman O'Rourke asked what the delta to pushing this out is. Ms. O'Brien replied two weeks. Mr. Hennessy added instead of the last week of the month, it will be the second week of the following month. Chairman O'Rourke said that he is in favor of this for the efficiency, the only downside is that it minimizes response time to react to things in a timely manner, he does not see that as critical. Chairman O'Rourke pointed out that if you are looking at January Financials in the second week of March, it is a longer rear view look if there was a poor month, for revenue enhancement and cost reduction it would be a delayed response from the Board. Mr. Pacino stated that if there is anything that came up the General Manager would react before a Board meeting and get in touch with the Chair. Ms. O'Brien noted that the problem is the timing of when RMLD receives the power supply numbers.

Mr. Stempeck asked what is taking MMWEC so long with its billings. Ms. Parenteau explained that the MMWEC billings can sometimes come out on the fourteenth or the fifteenth whereas there are times it does not come out until the twenty third. Ms. Parenteau stated that it is a manual process, what the holdup is, they have entitlements with Seabrook and Millstone and depend on Florida Power and Light as well as Dominion to get additional information. Mr. Stempeck asked about the process. Ms. Parenteau commented that MMWEC posts a memorandum invoice on their website which RMLD is able to access when we work on purchase power. With the ISO, RMLD receives its monthly bill the middle of the month as well, it is a reconciliation issue. Ms. O'Brien explained that the transactions in power supply, the matrix of the end users versus all the generators must be reconciled.

### **RMLD's Office 365: SharePoint and Dashboard**

Ms. O'Brien presented dashboards that were illustrative in nature. Ms. O'Brien said that the RMLD has been building dashboards. The places RMLD is currently getting its information is from Cogsdale, RMLD's billing system and Great Plains RMLD's financial system. The second system RMLD is working on is the GIS system and is making headway with that, performing a pilot circuit. Next is building the SharePoint to be paperless internally, policies and procedures. With the dashboard you can retrieve data from any one of the buckets. You bring that data in for the data you need. The CAB and RMLD Board will have their own dashboards as well as the division managers. Outages will also be on the dashboards. Ms. O'Brien said that Eastern Utilities came in and presented their dashboard to the RMLD in the past. Ms. O'Brien said that she would like Eastern Utilities to come in or video conference a presentation on their dashboard again. RMLD will start to build out its website once the dashboards have been completed which will have more of a professional look and be more streamlined.

Mr. Stempeck asked if RMLD has a software developer onsite. Ms. O'Brien said that Mark Uvanni has set up all the SharePoint and the current dashboards.

Ms. O'Brien asked the Board to think of what they may want to see. Chairman O'Rourke thought this is great and the commission members will provide input after the presentation.

Chairman O'Rourke asked if there is currently a RMLD Board dashboard. Ms. O'Brien replied that it is currently being developed. Chairman O'Rourke said that the RMLD has done a great job of the elimination of paper for the Board, but is hoping that SharePoint will augment this.

Ms. O'Brien said that there have been insurance issues lately, nothing concerning, but enough for her to have a better understanding of the PURMA insurance for utilities better. There is a one overnight training in which she needs approval, Paula O'Leary will be attending as well. When the RMLD has a pole hit subrogation is done internally and the recovery rate is not optimal. The RMLD may have PURMA help them with that and she needs to understand the process and how other utilities are handling similar issues.



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

#### **RMLD's Office 365: SharePoint and Dashboard**

Mr. Pacino made a motion seconded by Mr. Stempeck to authorize the General Manager's to attend the PURMA program being held in Vermont.

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

Ms. O'Brien reported on the Earth Day, Alternative Energy/Home & Car, sponsored by the Reading Climate Advisory Committee will be held on Saturday, April 23, 10 a.m. to 2 p.m. at the RMLD, 230 Ash Street, Reading. Home Presenters: Solar options, heat pumps, geothermal, and biomass sources of alternative energy will be represented. Also, energy audits, RMLD rebate offers and LED bulbs display. Auto Presenters: Plug-in hybrids and all electric vehicles from local dealers to include (possibly others): Chevy Volt, hybrid, 53 mile range, battery only, BMW i3, all electric, 80 – 100 mile range, Tesla, all electric, 270 mile range. If you have any questions regarding Earth Day, please send an email to [readingmassccp@hotmail.com](mailto:readingmassccp@hotmail.com).

#### **Power Supply Report – January and February 2016 – Ms. Parenteau (Attachment 2)**

Ms. Parenteau reported that for the January report, RMLD looked at heating degree days because weather is a big driver for electric usage. Heating degrees indicates when home heating is typically used. It takes the day's average temperature the high and low and divides it by two, it takes that number and subtracts it from 65 to show the number of heating days. In January 2012-2014 it has been trending up, but has been a steady decrease since that timeframe. The graph shows the heating degree days and RMLD's peak demand.

The next graph looks at kilowatt sales versus heating degree days for the timeframe January 2012-2016. Ms. Parenteau pointed out that January is typically a cold month, this past January was considerably mild. The average heating days were slightly above 1125 compared to a peak of over 1375. Mr. Chrisos commented that this January is one of the top five mildest winters on record since the year 1888. Ms. Parenteau said that this winter was extremely mild and has a large impact on sales.

The last graph looks at peak demand for calendar year 2015 and how RMLD's peak varies by season. The RMLD is definitely a summer peaking system which occurs in July or August which is weather related. It compares the peak for the winter and summer, the peak drops down during the months of October to November timeframe.

Ms. Parenteau reported that this slide is for RMLD's renewable portfolio fiscal years 2014-2015 versus February. One thing to look at was RMLD's power supply portfolio and how its renewable projects increased over last fiscal year up until February 2016. Hydro for fiscal years 2014-2015, 8.6%, the month of February 2016, 11.1% of hydro. With wind the RMLD barely had anything for fiscal years 2012-2015, this February there are two projects, Jericho Wind which came online in December as well as Saddleback that has been online for approximately one year. That brought the wind percentage to 4.2%. In fiscal year, 2012-2015 there was no solar in RMLD's portfolio, now we have .2%.

The graph shows the renewable resources by type in a pie graph view. What is interesting to point out is the amount of system power RMLD takes is about the same, but if you look at February of this year particularly with the oil and natural gas, the RMLD went from 4% in the fiscal year to less than .5% which is weather related. There was not a lot of oil and gas that needed to run in the prior timeframes.

The last graph looks at RMLD's imbedded costs there has been a decline which is weather related. The past two winter periods were extremely cold in February, there was natural gas constraints within this region where the ISO had to go out and procure oil and liquefied natural gas as back up. This year ISO followed its previous strategy, but it was not necessary to implement that and had a direct correlation to pricing. The pricing was typically a little over 6.5 cents for imbedded power supply, but came down to 5.5 cents that is passed through to our consumers. Mr. Stempeck commented that in terms with the renewables the RMLD is making very good progress for the goals it has for renewables. Ms. Parenteau replied that is correct. We look at the embedded costs as one of the directives Ms. O'Brien has given when we evaluate potential renewable projects, but keep them cost effective projects within the portfolio.

Ms. O'Brien said that the charts were well done. Ms. Parenteau thanked Ms. Lamson and Ms. McHugh for their efforts.

#### **Engineering and Operations Report January and February 2016 – Mr. Jaffari (Attachment 3)**

Deferred in the absence of Mr. Jaffari and there were no questions by the Board.

#### **RMLD Procurement Requests Requiring Board Approval (Attachment 4)**

##### **IFB 2016-16 Electric Forklift with Battery Charger and Trade-In**

Mr. Pacino asked if there is trade in with this bid. Ms. O'Brien responded that the RMLD is getting \$3,000 for a 1995 Clark electric forklift which has served its useful life and over the past seven years the RMLD has spent \$14,000 in repairs that the RMLD is trading in. The current forklift has issues such as tilt control inconsistent, sudden jerking motion, unit lost ability to move sharply, challenging lag time and most problematic is that the unit has been used hard and used outside daily creating more wear and tear.



**RMLD Procurement Requests Requiring Board Approval (Attachment 4)**

**IFB 2016-16 Electric Forklift with Battery Charger and Trade-In**

Mr. Pacino made a motion seconded by Mr. Stempeck that IFB 2016-16 for one Electric Forklift with Battery Charger with Trade-In be awarded to Lift Truck Parts & Service for \$30,477.02 as the lowest qualified and responsive bidder on the recommendation of the General Manager.

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

**IFB 2016-25 Substation Control Devices**

Mr. Pacino made a motion seconded by Mr. Stempeck that IFB 2016-25 for Substation Control Devices be awarded to WESCO for a total cost of \$44,544.00 as the lowest qualified bidder on the recommendation of the General Manager.

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

**General Discussion**

There was none.

**BOARD MATERIAL AVAILABLE BUT NOT DISCUSSED**

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

**Rate Comparisons, February and March 2016**

**RMLD Board Meetings**

**Thursday, May 12, 2016, 6:30 pm Operational Budget, Terms and Conditions, Rate Discussion and Board Meeting**

**Thursday, May 19, 2016, 6:30 pm Capital Budget and Board Meeting**

**No April meeting.**

**RMLD Board Policy Committee Meeting**

**To be determined.**

**CAB Meetings**

**Wednesday, April 6, 2016, Operating Budget Review**

**Wednesday, April 13, 2016, Capital Budget Review – To be covered by Commissioner Hennessy**

**Wednesday, May 4, 2016, Regular Meeting**

**Executive Session**

At 9:30 p.m. Mr. Pacino made a motion seconded by Mr. Stempeck that the Board go into Executive Session to approve the Executive Session meeting minutes of October 29, 2015 and December 10, 2015 discuss strategy with respect to collective bargaining and return to Regular Session for the sole purpose of adjournment.

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

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

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

**Adjournment**

At 9:45 p.m., Mr. Pacino made a motion seconded by Mr. Talbot 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.

David Hennessy, Secretary Pro Tem  
RMLD Board of Commissioners

# Business and Finance Division

## January FY 16

Wendy Markiewicz  
Accounting

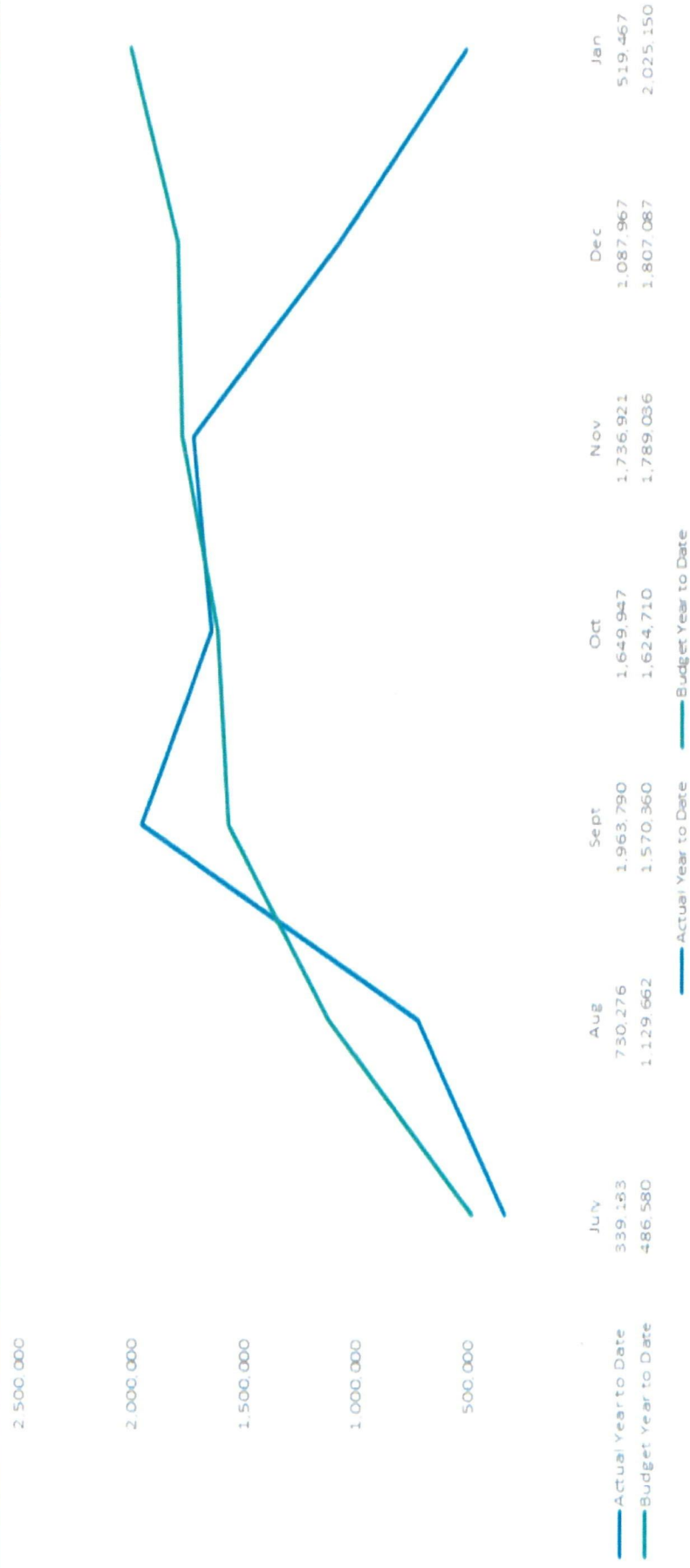


# Change in Net Assets By Month

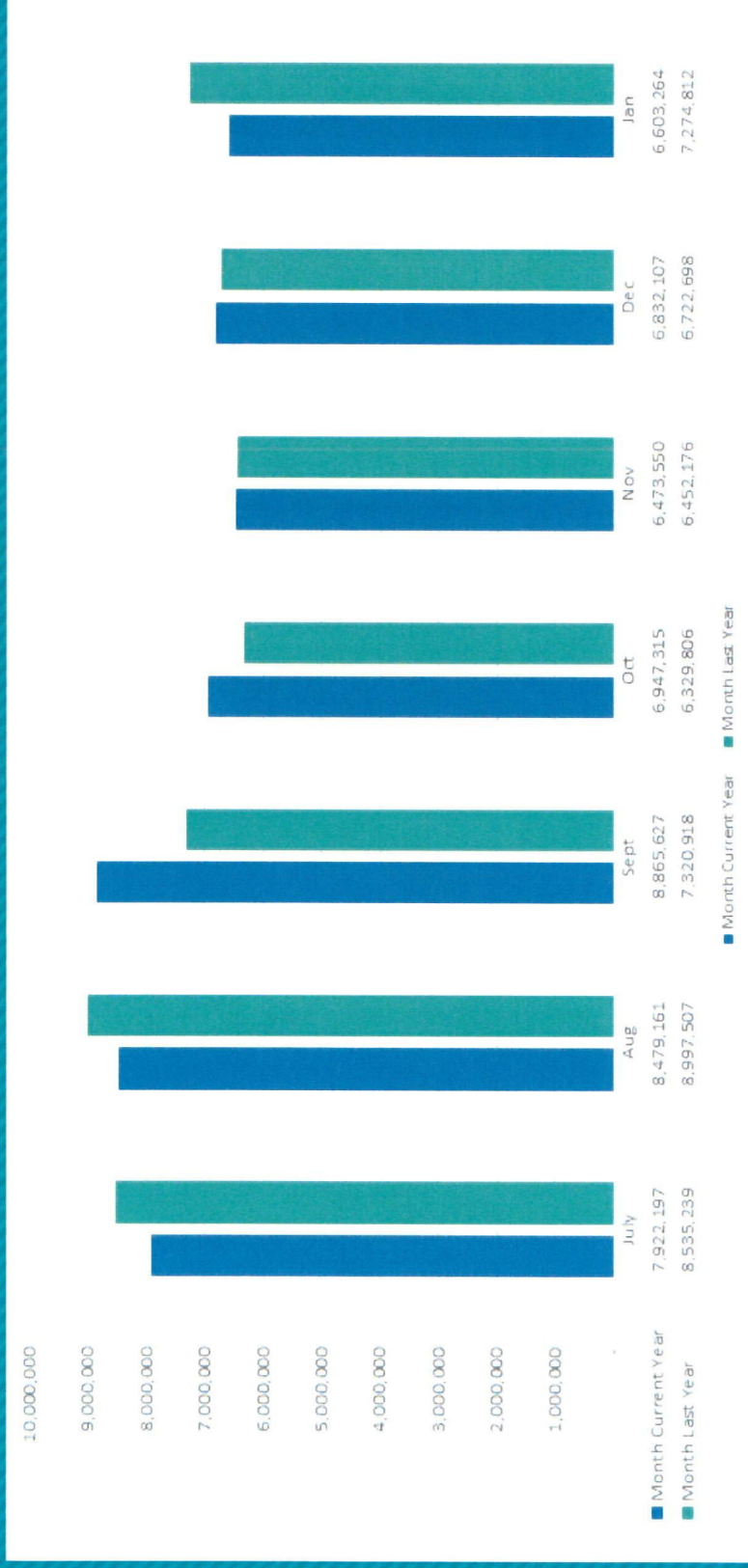
## FY 16



# Change in Net Assets Year to Date FY 16







# Operating Revenue by Month

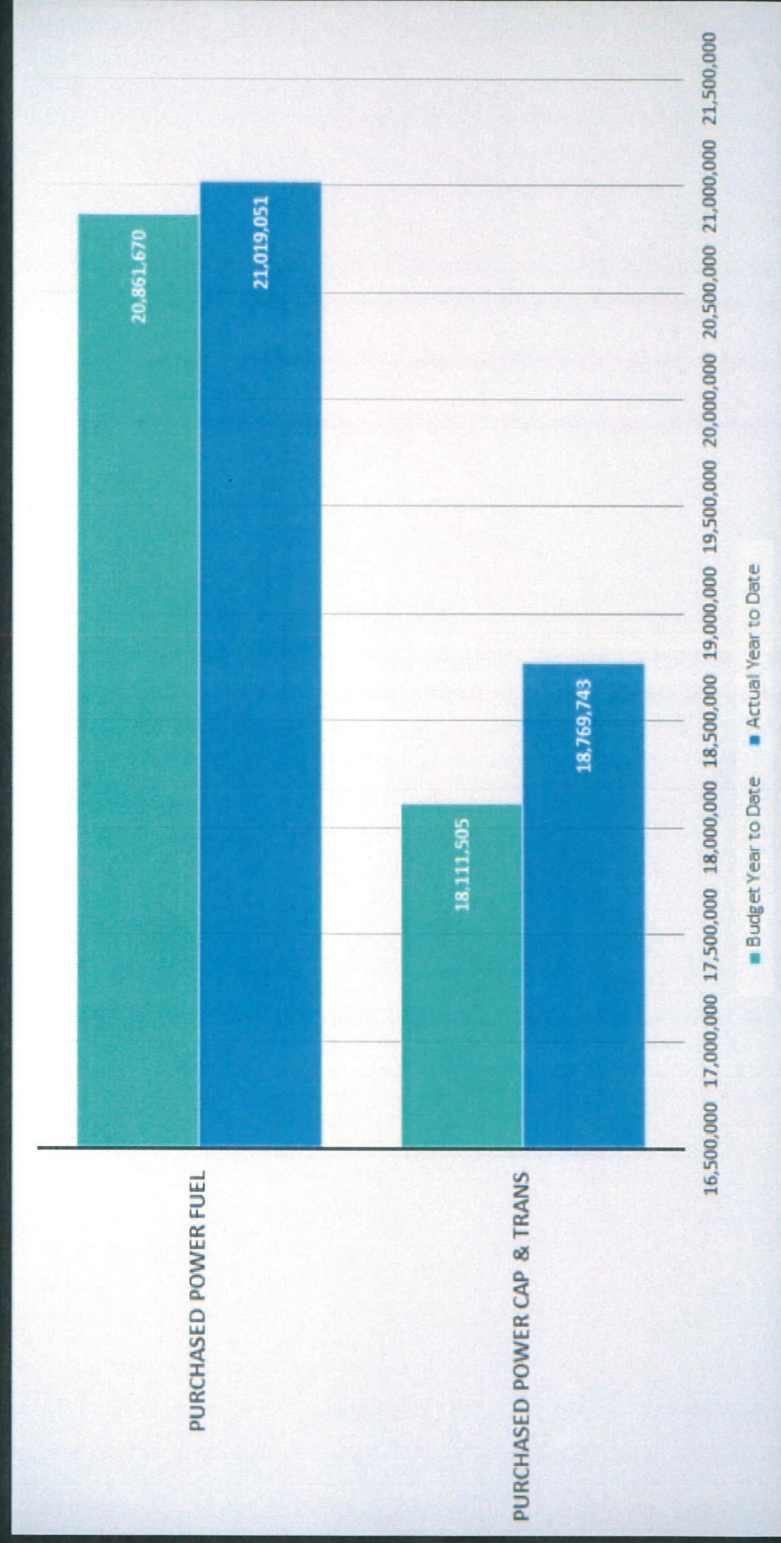
## FY 16



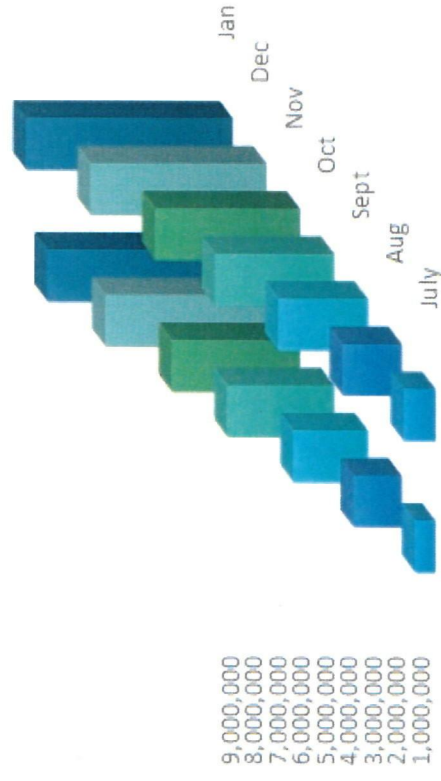
# Operating Revenue Year to Date FY 16



# Purchased Power Expense Year to Date FY 16



# Operating and Maintenance Expense FY 16

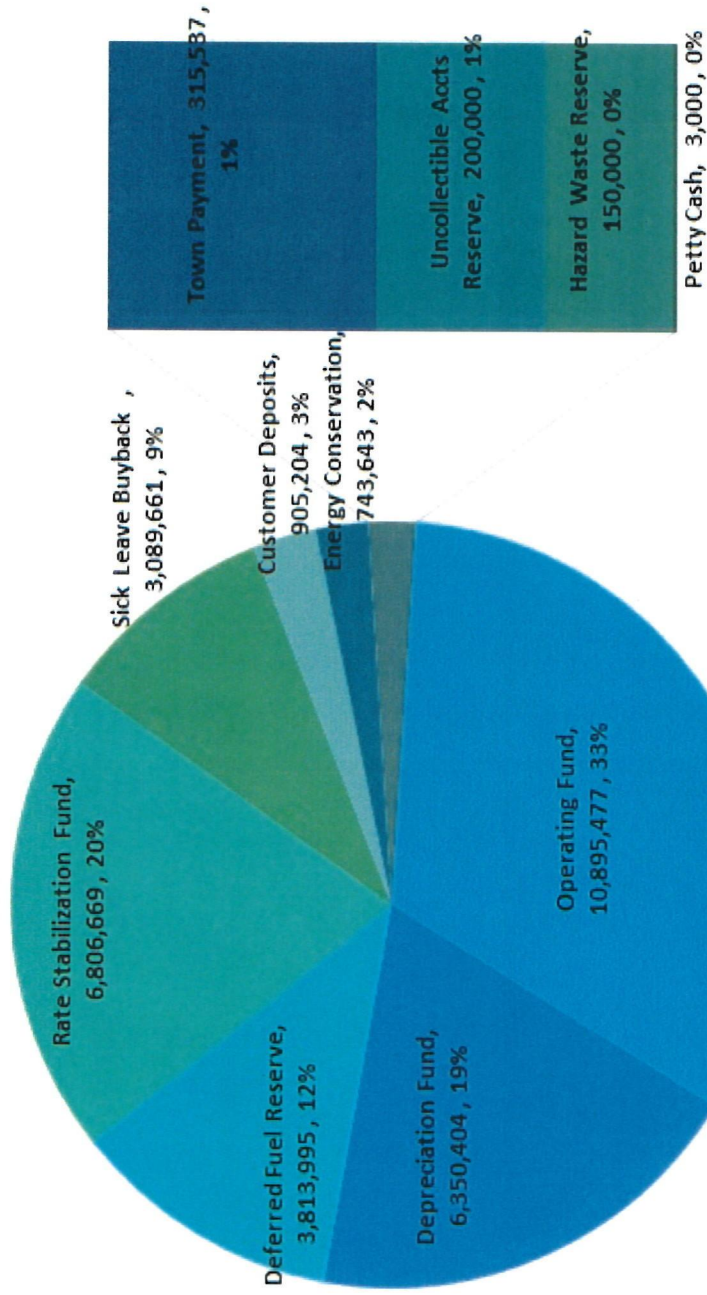


Year to Date	Actual	Budget
July	868,683	1,343,108
Aug	2,025,238	2,482,941
Sept	3,121,147	3,761,748
Oct	4,485,500	5,017,937
Nov	5,393,968	6,109,754
Dec	6,772,164	7,394,213
Jan	7,785,760	8,691,548



# CASH

## \$33,273,591



# **FINANCIAL REPORT**

**JANUARY 31, 2016**

**ISSUE DATE: FEBRUARY 29, 2016**



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF NET ASSETS  
1/31/16

		PREVIOUS YEAR	CURRENT YEAR
<b>ASSETS</b>			
<b>CURRENT</b>			
UNRESTRICTED CASH	(SCH A P.9)	11,522,798.06	10,898,477.10
RESTRICTED CASH	(SCH A P.9)	21,412,555.78	21,091,052.83
RESTRICTED INVESTMENTS	(SCH A P.9)	1,292,906.26	1,284,061.45
RECEIVABLES, NET	(SCH B P.10)	8,526,102.90	8,362,181.76
PREPAID EXPENSES	(SCH B P.10)	2,427,520.14	2,641,259.88
OTHER DEFERRED DEBITS	(SCH B P.10)	0.00	1,547,815.00
INVENTORY		1,490,441.14	1,729,535.25
<b>TOTAL CURRENT ASSETS</b>		<u>46,672,324.28</u>	<u>47,554,383.27</u>
<b>NONCURRENT</b>			
INVESTMENT IN ASSOCIATED CO	(SCH C P.2)	26,993.75	26,993.75
CAPITAL ASSETS, NET	(SCH C P.2)	69,512,012.08	70,413,182.84
<b>TOTAL NONCURRENT ASSETS</b>		<u>69,539,005.83</u>	<u>70,440,176.59</u>
<b>TOTAL ASSETS</b>		<u>116,211,330.11</u>	<u>117,994,559.86</u>
<b>LIABILITIES</b>			
<b>CURRENT</b>			
ACCOUNTS PAYABLE		6,948,038.36	7,885,014.14
CUSTOMER DEPOSITS		839,254.91	905,204.18
CUSTOMER ADVANCES FOR CONSTRUCTION		565,058.48	967,879.15
ACCRUED LIABILITIES		211,120.34	3,201,423.94
<b>TOTAL CURRENT LIABILITIES</b>		<u>8,563,472.09</u>	<u>12,959,521.41</u>
<b>NONCURRENT</b>			
ACCRUED EMPLOYEE COMPENSATED ABSENCES		2,918,870.73	3,070,487.93
<b>TOTAL NONCURRENT LIABILITIES</b>		<u>2,918,870.73</u>	<u>3,070,487.93</u>
<b>TOTAL LIABILITIES</b>		<u>11,482,342.82</u>	<u>16,030,009.34</u>
<b>NET ASSETS</b>			
INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT		69,512,012.08	70,413,182.84
RESTRICTED FOR DEPRECIATION FUND (P.9)		5,825,309.97	6,350,404.06
UNRESTRICTED		29,391,665.24	25,200,963.62
<b>TOTAL NET ASSETS</b>	(P.3)	<u>104,728,987.29</u>	<u>101,964,550.52</u>
<b>TOTAL LIABILITIES AND NET ASSETS</b>		<u>116,211,330.11</u>	<u>117,994,559.86</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
NONCURRENT ASSET SCHEDULE  
1/31/16

SCHEDULE C

	PREVIOUS YEAR	CURRENT YEAR
SCHEDULE OF INVESTMENTS IN ASSOCIATED COMPANIES		
NEW ENGLAND HYDRO ELECTRIC	2,975.74	2,975.74
NEW ENGLAND HYDRO TRANSMISSION	24,018.01	24,018.01
TOTAL INVESTMENTS IN ASSOCIATED COMPANIES	<u>26,993.75</u>	<u>26,993.75</u>
 SCHEDULE OF CAPITAL ASSETS		
LAND	1,265,842.23	1,265,842.23
STRUCTURES AND IMPROVEMENTS	6,108,069.51	6,574,489.56
EQUIPMENT AND FURNISHINGS	12,423,666.11	11,927,981.85
INFRASTRUCTURE	<u>49,714,434.23</u>	<u>50,644,869.20</u>
TOTAL CAPITAL ASSETS, NET	<u>69,512,012.08</u>	<u>70,413,182.84</u>
 TOTAL NONCURRENT ASSETS	<u>69,539,005.83</u>	<u>70,440,176.59</u>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
1/31/16

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
OPERATING REVENUES: (SCH D P.11)					
BASE REVENUE	1,869,424.05	1,864,067.44	12,939,211.71	14,099,007.90	8.96%
FUEL REVENUE	2,845,745.09	2,656,333.87	20,738,447.56	20,282,310.51	-2.20%
PURCHASED POWER CAPACITY	2,526,828.66	2,075,758.47	17,564,396.05	17,498,194.81	-0.38%
FORFEITED DISCOUNTS	76,469.60	68,040.93	467,992.73	473,822.61	1.25%
ENERGY CONSERVATION REVENUE	56,535.32	47,810.39	405,562.39	399,434.44	-1.51%
NYPA CREDIT	(100,190.60)	(108,747.38)	(482,453.42)	(629,549.39)	30.49%
TOTAL OPERATING REVENUES	7,274,812.12	6,603,263.72	51,633,157.02	52,123,220.88	0.95%
OPERATING EXPENSES: (SCH E P.12)					
PURCHASED POWER CAPACITY	1,541,650.35	1,691,412.49	9,870,582.68	11,083,628.14	12.29%
PURCHASED POWER TRANSMISSION	805,943.23	873,183.82	7,265,172.90	7,686,115.05	5.79%
PURCHASED POWER FUEL	3,456,178.99	3,163,761.69	19,290,344.43	21,019,051.42	8.96%
OPERATING MAINTENANCE	1,003,026.29	778,110.02	6,423,655.11	6,053,646.95	-5.76%
DEPRECIATION	208,813.65	235,485.37	1,920,847.36	1,732,112.83	-9.83%
VOLUNTARY PAYMENTS TO TOWNS	321,788.79	328,732.65	2,252,521.53	2,301,128.55	2.16%
	118,000.00	118,000.00	816,754.00	814,973.00	-0.22%
TOTAL OPERATING EXPENSES	7,455,401.30	7,188,686.04	47,839,878.01	50,690,655.94	5.96%
OPERATING INCOME	(180,589.18)	(585,422.32)	3,793,279.01	1,432,564.94	-62.23%
NONOPERATING REVENUES (EXPENSES)					
CONTRIBUTIONS IN AID OF CONST	3,500.00	7,492.49	80,861.92	45,937.23	-43.19%
RETURN ON INVESTMENT TO READING	(194,405.25)	(197,537.08)	(1,360,836.76)	(1,382,759.58)	1.61%
INTEREST INCOME	10,660.93	10,131.95	81,545.81	79,246.33	-2.82%
INTEREST EXPENSE	(248.88)	(1,156.02)	(3,042.07)	(2,243.03)	-26.27%
OTHER (MDSE AND AMORT)	164,218.44	197,991.55	263,845.22	346,721.40	31.41%
TOTAL NONOPERATING REV (EXP)	(16,274.76)	16,922.89	(937,625.88)	(913,097.65)	-2.62%
CHANGE IN NET ASSETS	(196,863.94)	(568,499.43)	2,855,653.13	519,467.29	-81.81%
NET ASSETS AT BEGINNING OF YEAR			101,873,334.16	101,445,083.23	-0.42%
NET ASSETS AT END OF JANUARY			104,728,987.29	101,964,550.52	-2.64%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
1/31/16

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE*	% CHANGE
OPERATING REVENUES: (SCH F P.11B)				
BASE REVENUE	14,099,007.90	13,976,419.00	122,588.90	0.88%
FUEL REVENUE	20,282,310.51	21,386,670.00	(1,104,359.49)	-5.16%
PURCHASED POWER CAPACITY	17,498,194.81	18,111,505.00	(613,310.19)	-3.39%
FORFEITED DISCOUNTS	473,822.61	419,294.00	54,528.61	13.00%
ENERGY CONSERVATION REVENUE	399,434.44	406,720.00	(7,285.56)	-1.79%
NYPA CREDIT	(629,549.39)	(525,000.00)	(104,549.39)	19.91%
TOTAL OPERATING REVENUES	52,123,220.88	53,775,608.00	(1,652,387.12)	-3.07%
OPERATING EXPENSES: (SCH G P.12A)				
PURCHASED POWER - CAPACITY	11,083,628.14	10,523,475.00	560,153.14	5.32%
PURCHASED POWER - TRANSMISSION	7,686,115.05	7,588,030.00	98,085.05	1.29%
PURCHASED POWER FUEL	21,019,051.42	20,861,670.00	157,381.42	0.75%
OPERATING	6,053,646.95	6,446,190.00	(392,543.05)	-6.09%
MAINTENANCE	1,732,112.83	2,245,358.00	(513,245.17)	-22.86%
DEPRECIATION	2,301,128.55	2,323,510.00	(22,381.45)	-0.96%
VOLUNTARY PAYMENTS TO TOWNS	814,973.00	826,000.00	(11,027.00)	-1.33%
TOTAL OPERATING EXPENSES	50,690,655.94	50,814,233.00	(123,577.06)	-0.24%
OPERATING INCOME	1,432,564.94	2,961,375.00	(1,528,810.06)	-51.63%
NONOPERATING REVENUES (EXPENSES)				
CONTRIBUTIONS IN AID OF CONST	45,937.23	150,000.00	(104,062.77)	-69.38%
RETURN ON INVESTMENT TO READING	(1,382,759.58)	(1,382,500.00)	(259.58)	0.02%
INTEREST INCOME	79,246.33	87,500.00	(8,253.67)	-9.43%
INTEREST EXPENSE	(2,243.03)	(1,225.00)	(1,018.03)	83.10%
OTHER (MDSE AND AMORT)	346,721.40	210,000.00	136,721.40	65.11%
TOTAL NONOPERATING REV (EXP)	(913,097.65)	(936,225.00)	23,127.35	-2.47%
CHANGE IN NET ASSETS	519,467.29	2,025,150.00	(1,505,682.71)	-74.35%
NET ASSETS AT BEGINNING OF YEAR	101,445,083.23	101,445,083.23	0.00	0.00%
NET ASSETS AT END OF JANUARY	101,964,550.52	103,470,233.23	(1,505,682.71)	-1.46%

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
RECONCILIATION OF CAPITAL FUNDS  
1/31/16

SOURCE OF CAPITAL FUNDS:

DEPRECIATION FUND BALANCE 7/1/15	5,434,307.79
CONSTRUCTION FUND BALANCE 7/1/15	1,400,000.00
INTEREST ON DEPRECIATION FUND FY 16	12,882.58
DEPRECIATION TRANSFER FY 16	<u>2,301,128.55</u>
 TOTAL SOURCE OF CAPITAL FUNDS	 9,148,318.92

USE OF CAPITAL FUNDS:

LESS PAID ADDITIONS TO PLANT THRU JANUARY	
 TOTAL USE OF CAPITAL FUNDS	 2,797,914.86
 GENERAL LEDGER CAPITAL FUNDS BALANCE 1/31/16	 <u><u>6,350,404.06</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SALES OF KILOWATT HOURS  
1/31/16

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	23,519,829	21,038,004	155,521,685	155,505,015	-0.01%
COMM. AND INDUSTRIAL SALES	31,327,972	25,233,906	240,458,635	234,328,395	-2.55%
PRIVATE STREET LIGHTING	79,972	84,923	553,396	562,279	1.61%
TOTAL PRIVATE CONSUMERS	<u>54,927,773</u>	<u>46,356,833</u>	<u>396,533,716</u>	<u>390,395,689</u>	-1.55%
MUNICIPAL SALES:					
STREET LIGHTING	242,710	225,902	1,699,775	1,607,766	-5.41%
MUNICIPAL BUILDINGS	877,249	797,344	5,622,101	5,401,485	-3.92%
TOTAL MUNICIPAL CONSUMERS	<u>1,119,959</u>	<u>1,023,246</u>	<u>7,321,876</u>	<u>7,009,251</u>	-4.27%
SALES FOR RESALE	248,384	230,843	2,020,077	1,957,144	-3.12%
SCHOOL	1,407,377	1,225,413	8,678,576	8,311,211	-4.23%
TOTAL KILOWATT HOURS SOLD	<u><u>57,703,493</u></u>	<u><u>48,836,335</u></u>	<u><u>414,554,245</u></u>	<u><u>407,673,295</u></u>	-1.66%



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
KILOWATT HOURS SOLD BY TOWN  
1/31/16

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	21,038,004	6,555,169	2,892,112	5,059,843	6,530,880
COMM & IND	25,233,906	3,888,151	253,411	4,970,313	16,122,031
PVT ST LIGHTS	84,923	15,468	2,495	25,741	41,219
PUB ST LIGHTS	225,902	76,233	29,261	40,268	80,140
MUNI BLDGS	797,344	218,001	156,260	122,371	300,712
SALES/RESALE	230,843	230,843	0	0	0
SCHOOL	1,225,413	423,047	274,174	226,940	301,252
TOTAL	<u>48,836,335</u>	<u>11,406,912</u>	<u>3,607,713</u>	<u>10,445,476</u>	<u>23,376,234</u>

YEAR TO DATE

RESIDENTIAL	155,505,015	49,343,779	22,207,658	36,061,288	47,892,290
COMM & IND	234,328,395	28,505,308	1,892,113	36,942,323	166,988,651
PVT ST LIGHTS	562,279	95,976	11,641	174,765	279,897
PUB ST LIGHTS	1,607,766	542,277	212,556	284,024	568,909
MUNI BLDGS	5,401,485	1,237,492	1,200,170	966,145	1,997,678
SALES/RESALE	1,957,144	1,957,144	0	0	0
SCHOOL	8,311,211	2,857,868	1,787,396	1,736,320	1,929,627
TOTAL	<u>407,673,295</u>	<u>84,539,844</u>	<u>27,311,534</u>	<u>76,164,865</u>	<u>219,657,052</u>

LAST YEAR  
TO DATE

RESIDENTIAL	155,521,685	48,418,009	22,561,349	35,807,724	48,734,603
COMM & IND	240,458,635	29,586,953	1,890,375	37,036,415	171,944,892
PVT ST LIGHTS	553,396	93,610	10,668	173,708	275,410
PUB ST LIGHTS	1,699,775	571,190	229,526	298,750	600,309
MUNI BLDGS	5,622,101	1,423,815	1,179,468	1,005,993	2,012,825
SALES/RESALE	2,020,077	2,020,077	0	0	0
SCHOOL	8,678,576	2,943,174	1,819,853	1,384,200	2,531,349
TOTAL	<u>414,554,245</u>	<u>85,056,828</u>	<u>27,691,239</u>	<u>75,706,790</u>	<u>226,099,388</u>

KILOWATT HOURS SOLD TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	43.08%	13.42%	5.92%	10.36%	13.38%
COMM & IND	51.67%	7.96%	0.52%	10.18%	33.01%
PVT ST LIGHTS	0.17%	0.03%	0.01%	0.05%	0.08%
PUB ST LIGHTS	0.46%	0.16%	0.06%	0.08%	0.16%
MUNI BLDGS	1.64%	0.45%	0.32%	0.25%	0.62%
SALES/RESALE	0.47%	0.47%	0.00%	0.00%	0.00%
SCHOOL	2.51%	0.87%	0.56%	0.46%	0.62%
TOTAL	<u>100.00%</u>	<u>23.36%</u>	<u>7.39%</u>	<u>21.38%</u>	<u>47.87%</u>

YEAR TO DATE

RESIDENTIAL	38.15%	12.10%	5.45%	8.85%	11.75%
COMM & IND	57.48%	6.99%	0.46%	9.06%	40.97%
PVT ST LIGHTS	0.14%	0.02%	0.00%	0.04%	0.08%
PUB ST LIGHTS	0.39%	0.13%	0.05%	0.07%	0.14%
MUNI BLDGS	1.32%	0.30%	0.29%	0.24%	0.49%
SALES/RESALE	0.48%	0.48%	0.00%	0.00%	0.00%
SCHOOL	2.04%	0.70%	0.44%	0.43%	0.47%
TOTAL	<u>100.00%</u>	<u>20.72%</u>	<u>6.69%</u>	<u>18.69%</u>	<u>53.90%</u>

LAST YEAR  
TO DATE

RESIDENTIAL	37.52%	11.68%	5.44%	8.64%	11.76%
COMM & IND	58.00%	7.14%	0.46%	8.93%	41.47%
PVT ST LIGHTS	0.13%	0.02%	0.00%	0.04%	0.07%
PUB ST LIGHTS	0.41%	0.14%	0.06%	0.07%	0.14%
MUNI BLDGS	1.36%	0.34%	0.28%	0.24%	0.50%
SALES/RESALE	0.49%	0.49%	0.00%	0.00%	0.00%
SCHOOL	2.09%	0.71%	0.44%	0.33%	0.61%
TOTAL	<u>100.00%</u>	<u>20.52%</u>	<u>6.68%</u>	<u>18.25%</u>	<u>54.55%</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
FORMULA INCOME  
1/31/16

TOTAL OPERATING REVENUES	(P.3)	52,123,220.88
ADD:		
POLE RENTAL		0.00
INTEREST INCOME ON CUSTOMER DEPOSITS		2,618.83
LESS:		
OPERATING EXPENSES	(P.3)	(50,690,655.94)
CUSTOMER DEPOSIT INTEREST EXPENSE		(1,087.01)
FORMULA INCOME (LOSS)		<u>1,434,096.76</u>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
GENERAL STATISTICS  
1/31/16

		MONTH OF JAN 2015	MONTH OF JAN 2016	% CHANGE		YEAR JAN 2015	THRU JAN 2016
				2015	2016		
SALE OF KWH	(P.5)	57,703,493	48,836,335	-0.78%	-1.66%	414,554,245	407,673,295
KWH PURCHASED		61,776,997	56,019,481	-4.46%	-24.13%	418,371,883	317,401,919
AVE BASE COST PER KWH		0.024955	0.030193	-39.66%	48.01%	0.023593	0.034920
AVE BASE SALE PER KWH		0.032397	0.038170	-52.24%	10.80%	0.031212	0.034584
AVE COST PER KWH		0.080901	0.086669	-15.41%	45.11%	0.069701	0.101142
AVE SALE PER KWH		0.081714	0.092562	-25.61%	3.81%	0.081238	0.084335
FUEL CHARGE REVENUE (P.3)		2,845,745.09	2,656,333.87	13.17%	-2.20%	20,738,447.56	20,282,310.51
LOAD FACTOR		77.60%	76.50%				
PEAK LOAD		109,061	100,307				

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF CASH AND INVESTMENTS  
1/31/16

SCHEDULE A

	PREVIOUS YEAR	CURRENT YEAR
UNRESTRICTED CASH		
CASH - OPERATING FUND	11,519,798.06	10,895,477.10
CASH - PETTY CASH	3,000.00	3,000.00
TOTAL UNRESTRICTED CASH	<u>11,522,798.06</u>	<u>10,898,477.10</u>
RESTRICTED CASH		
CASH - DEPRECIATION FUND	5,825,309.97	6,350,404.06
CASH - TOWN PAYMENT	312,405.25	315,537.00
CASH - DEFERRED FUEL RESERVE	5,098,344.67	3,813,994.85
CASH - RATE STABILIZATION FUND	6,756,780.52	6,806,669.46
CASH - UNCOLLECTIBLE ACCTS RESERVE	200,000.00	200,000.00
CASH - SICK LEAVE BENEFITS	1,707,316.51	1,805,599.83
CASH - HAZARD WASTE RESERVE	150,000.00	150,000.00
CASH - CUSTOMER DEPOSITS	839,254.91	905,204.18
CASH - ENERGY CONSERVATION	523,143.95	743,643.45
TOTAL RESTRICTED CASH	<u>21,412,555.78</u>	<u>21,091,052.83</u>
INVESTMENTS		
SICK LEAVE BUYBACK	<u>1,292,906.26</u>	<u>1,284,061.45</u>
TOTAL CASH BALANCE	<u>34,228,260.10</u>	<u>33,273,591.38</u>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF ACCOUNTS RECEIVABLE  
1/31/16

SCHEDULE B

SCHEDULE OF ACCOUNTS RECEIVABLE	PREVIOUS YEAR	CURRENT YEAR
RESIDENTIAL AND COMMERCIAL	3,182,778.67	3,165,867.09
ACCOUNTS RECEIVABLE - OTHER	185,999.32	423,983.36
ACCOUNTS RECEIVABLE - LIENS	37,433.70	21,644.68
ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES	892.14	543.53
SALES DISCOUNT LIABILITY	(233,751.34)	(152,269.80)
RESERVE FOR UNCOLLECTIBLE ACCOUNTS	(269,518.87)	(263,937.05)
TOTAL ACCOUNTS RECEIVABLE BILLED	<u>2,903,833.62</u>	<u>3,195,831.81</u>
UNBILLED ACCOUNTS RECEIVABLE	5,622,269.28	5,166,349.95
TOTAL ACCOUNTS RECEIVABLE, NET	<u><u>8,526,102.90</u></u>	<u><u>8,362,181.76</u></u>

SCHEDULE OF PREPAYMENTS

PREPAID INSURANCE	1,388,734.37	1,478,365.89
PREPAYMENT PURCHASED POWER	556,401.78	564,555.62
PREPAYMENT PASNY	259,957.39	307,572.50
PREPAYMENT WATSON	209,726.49	275,895.81
PURCHASED POWER WORKING CAPITAL	12,700.11	14,870.06
TOTAL PREPAYMENT	<u><u>2,427,520.14</u></u>	<u><u>2,641,259.88</u></u>

OTHER DEFERRED DEBITS	<u><u>0.00</u></u>	<u><u>1,547,815.00</u></u>
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ACCOUNTS RECEIVABLE AGING JANUARY 2016:

RESIDENTIAL AND COMMERCIAL	3,165,867.09
LESS: SALES DISCOUNT LIABILITY	(152,269.80)
GENERAL LEDGER BALANCE	<u><u>3,013,597.29</u></u>

CURRENT	2,378,039.72	78.91%
30 DAYS	358,037.70	11.88%
60 DAYS	119,927.59	3.98%
90 DAYS	73,472.20	2.44%
OVER 90 DAYS	84,120.08	2.79%
TOTAL	<u><u>3,013,597.29</u></u>	<u><u>100.00%</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE  
1/31/16

SCHEDULE D

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	2,224,111.00	2,197,562.64	14,826,171.91	15,444,371.89	4.17%
COMM AND INDUSTRIAL SALES	2,257,329.78	2,092,279.72	17,294,119.99	17,473,195.73	1.04%
PRIVATE STREET LIGHTING	9,549.01	10,790.43	66,126.49	71,228.08	7.71%
TOTAL PRIVATE CONSUMERS	<u>4,490,989.79</u>	<u>4,300,632.79</u>	<u>32,186,418.39</u>	<u>32,988,795.70</u>	2.49%
MUNICIPAL SALES:					
STREET LIGHTING	29,865.45	26,037.23	209,030.65	98,007.88	-53.11%
MUNICIPAL BUILDINGS	67,624.07	68,007.36	445,635.00	448,864.89	0.72%
TOTAL MUNICIPAL CONSUMERS	<u>97,489.52</u>	<u>94,044.59</u>	<u>654,665.65</u>	<u>546,872.77</u>	-16.47%
SALES FOR RESALE	21,078.97	21,549.90	172,862.46	170,867.54	-1.15%
SCHOOL	<u>105,610.86</u>	<u>104,174.03</u>	<u>663,712.77</u>	<u>674,782.40</u>	1.67%
SUB-TOTAL	4,715,169.14	4,520,401.31	33,677,659.27	34,381,318.41	2.09%
FORFEITED DISCOUNTS	76,469.60	68,040.93	467,992.73	473,822.61	1.25%
PURCHASED POWER CAPACITY	2,526,828.66	2,075,758.47	17,564,396.05	17,498,194.81	-0.38%
ENERGY CONSERVATION - RESIDENTIAL	23,532.17	21,047.03	155,586.76	155,576.74	-0.01%
ENERGY CONSERVATION - COMMERCIAL	33,003.15	26,763.36	249,975.63	243,857.70	-2.45%
NYPA CREDIT	(100,190.60)	(108,747.38)	(482,453.42)	(629,549.39)	30.49%
TOTAL REVENUE	<u><u>7,274,812.12</u></u>	<u><u>6,603,263.72</u></u>	<u><u>51,633,157.02</u></u>	<u><u>52,123,220.88</u></u>	0.95%



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE BY TOWN  
1/31/16

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	2,197,562.64	689,444.71	300,121.63	526,589.48	681,406.82
INDUS/MUNI BLDG	2,160,287.08	361,054.74	37,672.35	417,817.82	1,343,742.17
PUB.ST.LIGHTS	26,037.23	8,766.03	3,364.77	4,660.75	9,245.68
PRV.ST.LIGHTS	10,790.43	1,848.71	263.08	3,484.89	5,193.75
CO-OP RESALE	21,549.90	21,549.90	0.00	0.00	0.00
SCHOOL	104,174.03	36,115.86	22,280.73	21,005.21	24,772.23
TOTAL	<u>4,520,401.31</u>	<u>1,118,779.95</u>	<u>363,702.56</u>	<u>973,558.15</u>	<u>2,064,360.65</u>

THIS YEAR TO DATE

RESIDENTIAL	15,444,371.89	4,932,045.96	2,186,928.88	3,570,813.76	4,754,583.29
INDUS/MUNI BLDG	17,922,060.62	2,475,943.34	267,456.60	2,936,615.99	12,242,044.69
PUB.ST.LIGHTS	98,007.88	33,236.05	12,720.95	17,615.45	34,435.43
PRV.ST.LIGHTS	71,228.08	11,766.34	1,459.77	23,213.13	34,788.84
CO-OP RESALE	170,867.54	170,867.54	0.00	0.00	0.00
SCHOOL	674,782.40	233,250.95	140,880.70	148,066.89	152,583.86
TOTAL	<u>34,381,318.41</u>	<u>7,857,110.18</u>	<u>2,609,446.88</u>	<u>6,696,325.23</u>	<u>17,218,436.12</u>

LAST YEAR TO DATE

RESIDENTIAL	14,826,171.91	4,637,538.10	2,135,880.29	3,405,283.77	4,647,469.75
INDUS/MUNI BLDG	17,739,754.99	2,480,723.03	250,885.12	2,873,065.99	12,135,080.85
PUB.ST.LIGHTS	209,030.65	70,099.61	28,168.56	36,876.85	73,885.63
PRV.ST.LIGHTS	66,126.49	10,985.44	1,296.12	21,505.70	32,339.23
CO-OP RESALE	172,862.46	172,862.46	0.00	0.00	0.00
SCHOOL	663,712.77	227,966.60	137,732.49	108,174.40	189,839.28
TOTAL	<u>33,677,659.27</u>	<u>7,600,175.24</u>	<u>2,553,962.58</u>	<u>6,444,906.71</u>	<u>17,078,614.74</u>

PERCENTAGE OF OPERATING INCOME TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	48.61%	15.25%	6.64%	11.65%	15.07%
INDUS/MUNI BLDG	47.79%	7.99%	0.83%	9.24%	29.73%
PUB.ST.LIGHTS	0.58%	0.19%	0.07%	0.10%	0.22%
PRV.ST.LIGHTS	0.24%	0.04%	0.01%	0.08%	0.11%
CO-OP RESALE	0.48%	0.48%	0.00%	0.00%	0.00%
SCHOOL	2.30%	0.80%	0.49%	0.46%	0.55%
TOTAL	<u>100.00%</u>	<u>24.75%</u>	<u>8.04%</u>	<u>21.53%</u>	<u>45.68%</u>

THIS YEAR TO DATE

RESIDENTIAL	44.92%	14.35%	6.36%	10.39%	13.82%
INDUS/MUNI BLDG	52.12%	7.20%	0.78%	8.54%	35.60%
PUB.ST.LIGHTS	0.29%	0.10%	0.04%	0.05%	0.10%
PRV.ST.LIGHTS	0.21%	0.03%	0.00%	0.07%	0.11%
CO-OP RESALE	0.50%	0.50%	0.00%	0.00%	0.00%
SCHOOL	1.96%	0.68%	0.41%	0.43%	0.44%
TOTAL	<u>100.00%</u>	<u>22.86%</u>	<u>7.59%</u>	<u>19.48%</u>	<u>50.07%</u>

LAST YEAR TO DATE

RESIDENTIAL	44.02%	13.77%	6.34%	10.11%	13.80%
INDUS/MUNI BLDG	52.68%	7.37%	0.74%	8.53%	36.04%
PUB.ST.LIGHTS	0.62%	0.21%	0.08%	0.11%	0.22%
PRV.ST.LIGHTS	0.20%	0.03%	0.00%	0.06%	0.11%
CO-OP RESALE	0.51%	0.51%	0.00%	0.00%	0.00%
SCHOOL	1.97%	0.68%	0.41%	0.32%	0.56%
TOTAL	<u>100.00%</u>	<u>22.57%</u>	<u>7.57%</u>	<u>19.13%</u>	<u>50.73%</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED REVENUE VARIANCE REPORT  
1/31/16

SCHEDULE F

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
SALES OF ELECTRICITY:				
RESIDENTIAL	7,663,740.11	7,603,836.00	59,904.11	0.79%
COMM AND INDUSTRIAL SALES PRIVATE STREET LIGHTING MUNICIPAL BUILDINGS	6,040,210.98	5,829,298.00	210,912.98	3.62%
PUBLIC STREET LIGHTING	64,874.05	221,129.00	(156,254.95)	-70.66%
SALES FOR RESALE	73,959.67	77,617.00	(3,657.33)	-4.71%
SCHOOL	<u>256,223.09</u>	<u>244,539.00</u>	<u>11,684.09</u>	4.78%
TOTAL BASE SALES	14,099,007.90	13,976,419.00	122,588.90	0.88%
TOTAL FUEL SALES	<u>20,282,310.51</u>	<u>21,386,670.00</u>	<u>(1,104,359.49)</u>	-5.16%
TOTAL OPERATING REVENUE	34,381,318.41	35,363,089.00	(981,770.59)	-2.78%
FORFEITED DISCOUNTS	473,822.61	419,294.00	54,528.61	13.00%
PURCHASED POWER CAPACITY	17,498,194.81	18,111,505.00	(613,310.19)	-3.39%
ENERGY CONSERVATION - RESIDENTIAL	155,576.74	156,313.00	(736.26)	-0.47%
ENERGY CONSERVATION - COMMERCIAL	243,857.70	250,407.00	(6,549.30)	-2.62%
NYPA CREDIT	(629,549.39)	(525,000.00)	(104,549.39)	19.91%
TOTAL OPERATING REVENUES	<u><u>52,123,220.88</u></u>	<u><u>53,775,608.00</u></u>	<u><u>(1,652,387.12)</u></u>	-3.07%

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING EXPENSES  
1/31/16

SCHEDULE E

OPERATION EXPENSES:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
PURCHASED POWER CAPACITY	1,541,650.35	1,691,412.49	9,870,582.68	11,083,628.14	12.29%
PURCHASED POWER TRANSMISSION	805,943.23	873,183.82	7,265,172.90	7,686,115.05	5.79%
TOTAL PURCHASED POWER	<u>2,347,593.58</u>	<u>2,564,596.31</u>	<u>17,135,755.58</u>	<u>18,769,743.19</u>	9.54%
OPERATION SUP AND ENGINEERING EXP	43,671.73	44,754.63	309,364.06	317,019.40	2.47%
STATION SUP LABOR AND MISC	16,426.47	13,167.24	93,661.10	88,712.54	-5.28%
LINE MISC LABOR AND EXPENSE	122,812.61	29,845.60	492,564.08	411,409.43	-16.48%
STATION LABOR AND EXPENSE	46,128.61	30,836.07	300,699.20	232,823.80	-22.57%
STREET LIGHTING EXPENSE	7,347.04	13,381.99	54,610.66	70,515.07	29.12%
METER EXPENSE	19,992.92	19,008.17	110,806.86	130,138.17	17.45%
MISC DISTRIBUTION EXPENSE	41,345.86	38,932.31	259,715.59	258,409.61	-0.50%
METER READING LABOR & EXPENSE	1,857.25	1,924.89	10,574.12	16,444.63	55.52%
ACCT & COLL LABOR & EXPENSE	160,739.32	122,199.73	1,051,962.91	963,408.88	-8.42%
UNCOLLECTIBLE ACCOUNTS	10,000.00	10,000.00	70,000.00	70,000.00	0.00%
ENERGY AUDIT EXPENSE	35,221.03	55,715.28	237,222.29	330,721.86	39.41%
ADMIN & GEN SALARIES	68,901.79	69,962.35	487,363.14	514,887.61	5.65%
OFFICE SUPPLIES & EXPENSE	27,558.30	30,608.74	174,445.83	188,549.60	8.08%
OUTSIDE SERVICES	28,395.44	10,530.85	239,243.82	191,653.85	-19.89%
PROPERTY INSURANCE	31,070.39	30,594.30	210,252.92	218,048.71	3.71%
INJURIES AND DAMAGES	3,070.27	3,627.56	26,070.72	28,173.88	8.07%
EMPLOYEES PENSIONS & BENEFITS	247,934.19	193,472.01	1,757,985.52	1,593,232.94	-9.37%
MISC GENERAL EXPENSE	17,569.24	10,263.60	99,315.42	88,964.21	-10.42%
RENT EXPENSE	14,514.48	14,385.08	98,117.43	100,135.81	2.06%
ENERGY CONSERVATION	58,469.35	34,899.62	339,679.44	240,396.95	-29.23%
TOTAL OPERATION EXPENSES	<u>1,003,026.29</u>	<u>778,110.02</u>	<u>6,423,655.11</u>	<u>6,053,646.95</u>	-5.76%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	227.08	227.08	1,589.58	1,589.58	0.00%
MAINT OF STRUCT AND EQUIPMT	29,640.30	41,190.66	332,251.43	217,441.42	-34.56%
MAINT OF LINES - OH	127,359.96	125,439.45	1,039,748.23	969,092.22	-6.80%
MAINT OF LINES - UG	311.96	4,704.68	77,479.82	68,899.79	-11.07%
MAINT OF LINE TRANSFORMERS	0.00	7,752.67	60,065.12	87,669.33	45.96%
MAINT OF ST LT & SIG SYSTEM	(8.06)	(44.05)	(92.54)	(368.90)	298.64%
MAINT OF GARAGE AND STOCKROOM	43,995.58	44,240.70	271,799.85	313,151.87	15.21%
MAINT OF METERS	0.00	0.00	0.00	0.00	0.00%
MAINT OF GEN PLANT	7,286.83	11,974.18	138,005.87	74,637.52	-45.92%
TOTAL MAINTENANCE EXPENSES	<u>208,813.65</u>	<u>235,485.37</u>	<u>1,920,847.36</u>	<u>1,732,112.83</u>	-9.83%
DEPRECIATION EXPENSE	321,788.79	328,732.65	2,252,521.53	2,301,128.55	2.16%
PURCHASED POWER FUEL EXPENSE	3,456,178.99	3,163,761.69	19,290,344.43	21,019,051.42	8.96%
VOLUNTARY PAYMENTS TO TOWNS	118,000.00	118,000.00	816,754.00	814,973.00	-0.22%
TOTAL OPERATING EXPENSES	<u>7,455,401.30</u>	<u>7,188,686.04</u>	<u>47,839,878.01</u>	<u>50,690,655.94</u>	5.96%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
1/31/16

SCHEDULE G

OPERATION EXPENSES:	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
PURCHASED POWER CAPACITY	11,083,628.14	10,523,475.00	560,153.14	5.32%
PURCHASED POWER TRANSMISSION	7,686,115.05	7,588,030.00	98,085.05	1.29%
TOTAL PURCHASED POWER	<u>18,769,743.19</u>	<u>18,111,505.00</u>	<u>658,238.19</u>	3.63%
OPERATION SUP AND ENGINEERING EXP	317,019.40	372,529.00	(55,509.60)	-14.90%
STATION SUP LABOR AND MISC	88,712.54	48,718.00	39,994.54	82.09%
LINE MISC LABOR AND EXPENSE	411,409.43	397,125.00	14,284.43	3.60%
STATION LABOR AND EXPENSE	232,823.80	262,145.00	(29,321.20)	-11.19%
STREET LIGHTING EXPENSE	70,515.07	54,724.00	15,791.07	28.86%
METER EXPENSE	130,138.17	128,622.00	1,516.17	1.18%
MISC DISTRIBUTION EXPENSE	258,409.61	268,933.00	(10,523.39)	-3.91%
METER READING LABOR & EXPENSE	16,444.63	19,144.00	(2,699.37)	-14.10%
ACCT & COLL LABOR & EXPENSE	963,408.88	990,267.00	(26,858.12)	-2.71%
UNCOLLECTIBLE ACCOUNTS	70,000.00	70,000.00	0.00	0.00%
ENERGY AUDIT EXPENSE	330,721.86	283,002.00	47,719.86	16.86%
ADMIN & GEN SALARIES	514,887.61	485,230.00	29,657.61	6.11%
OFFICE SUPPLIES & EXPENSE	188,549.60	175,700.00	12,849.60	7.31%
OUTSIDE SERVICES	191,653.85	243,127.00	(51,473.15)	-21.17%
PROPERTY INSURANCE	218,048.71	271,950.00	(53,901.29)	-19.82%
INJURIES AND DAMAGES	28,173.88	30,147.00	(1,973.12)	-6.54%
EMPLOYEES PENSIONS & BENEFITS	1,593,232.94	1,569,756.00	23,476.94	1.50%
MISC GENERAL EXPENSE	88,964.21	176,067.00	(87,102.79)	-49.47%
RENT EXPENSE	100,135.81	123,669.00	(23,533.19)	-19.03%
ENERGY CONSERVATION	240,396.95	475,335.00	(234,938.05)	-49.43%
TOTAL OPERATION EXPENSES	<u>6,053,646.95</u>	<u>6,446,190.00</u>	<u>(392,543.05)</u>	-6.09%
MAINTENANCE EXPENSES:				
MAINT OF TRANSMISSION PLANT	1,589.58	1,750.00	(160.42)	-9.17%
MAINT OF STRUCT AND EQUIPMENT	217,441.42	226,268.00	(8,826.58)	-3.90%
MAINT OF LINES - OH	969,092.22	1,149,336.00	(180,243.78)	-15.68%
MAINT OF LINES - UG	68,899.79	108,785.00	(39,885.21)	-36.66%
MAINT OF LINE TRANSFORMERS	87,669.33	225,000.00	(137,330.67)	-61.04%
MAINT OF ST LT & SIG SYSTEM	(368.90)	5,900.00	(6,268.90)	-106.25%
MAINT OF GARAGE AND STOCKROOM	313,151.87	390,692.00	(77,540.13)	-19.85%
MAINT OF METERS	0.00	33,677.00	(33,677.00)	-100.00%
MAINT OF GEN PLANT	74,637.52	103,950.00	(29,312.48)	-28.20%
TOTAL MAINTENANCE EXPENSES	<u>1,732,112.83</u>	<u>2,245,358.00</u>	<u>(513,245.17)</u>	-22.86%
DEPRECIATION EXPENSE	2,301,128.55	2,323,510.00	(22,381.45)	-0.96%
PURCHASED POWER FUEL EXPENSE	21,019,051.42	20,861,670.00	157,381.42	0.75%
VOLUNTARY PAYMENTS TO TOWNS	814,973.00	826,000.00	(11,027.00)	-1.33%
TOTAL OPERATING EXPENSES	<u>50,690,655.94</u>	<u>50,814,233.00</u>	<u>(123,577.06)</u>	-0.24%

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
1/31/16

OPERATION EXPENSES:	RESPONSIBLE SENIOR MANAGER	2016 ANNUAL BUDGET	ACTUAL YEAR TO DATE	REMAINING BUDGET BALANCE	REMAINING BUDGET %
PURCHASED POWER CAPACITY	JP	17,095,785.00	11,083,628.14	6,012,156.86	35.17%
PURCHASED POWER TRANSMISSION	JP	12,600,639.00	7,686,115.05	4,914,523.95	39.00%
TOTAL PURCHASED POWER		<u>29,696,424.00</u>	<u>18,769,743.19</u>	<u>10,926,680.81</u>	36.79%
OPERATION SUP AND ENGINEERING EXP	HJ	629,691.00	317,019.40	312,671.60	49.65%
STATION SUP LABOR AND MISC	HJ	84,858.00	88,712.54	(3,854.54)	-4.54%
LINE MISC LABOR AND EXPENSE	HJ	666,641.00	411,409.43	255,231.57	38.29%
STATION LABOR AND EXPENSE	HJ	448,347.00	232,823.80	215,523.20	48.07%
STREET LIGHTING EXPENSE	HJ	93,347.00	70,515.07	22,831.93	24.46%
METER EXPENSE	HJ	233,648.00	130,138.17	103,509.83	44.30%
MISC DISTRIBUTION EXPENSE	HJ	457,068.00	258,409.61	198,658.39	43.46%
METER READING LABOR & EXPENSE	HJ	32,578.00	16,444.63	16,133.37	49.52%
ACCT & COLL LABOR & EXPENSE	RF	1,693,219.00	963,408.88	729,810.12	43.10%
UNCOLLECTIBLE ACCOUNTS	JP	120,000.00	70,000.00	50,000.00	41.67%
ENERGY AUDIT EXPENSE	JP	482,273.00	330,721.86	151,551.14	31.42%
ADMIN & GEN SALARIES	CO	838,461.00	514,887.61	323,573.39	38.59%
OFFICE SUPPLIES & EXPENSE	CO	301,000.00	188,549.60	112,450.40	37.36%
OUTSIDE SERVICES	CO	377,332.00	191,653.85	185,678.15	49.21%
PROPERTY INSURANCE	HJ	466,200.00	218,048.71	248,151.29	53.23%
INJURIES AND DAMAGES	HJ	51,254.00	28,173.88	23,080.12	45.03%
EMPLOYEES PENSIONS & BENEFITS	HJ	2,633,591.00	1,593,232.94	1,040,358.06	39.50%
MISC GENERAL EXPENSE	CO	231,022.00	88,964.21	142,057.79	61.49%
RENT EXPENSE	HJ	212,000.00	100,135.81	111,864.19	52.77%
ENERGY CONSERVATION	JP	816,602.00	240,396.95	576,205.05	70.56%
TOTAL OPERATION EXPENSES		<u>10,869,132.00</u>	<u>6,053,646.95</u>	<u>4,815,485.05</u>	44.30%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	HJ	3,000.00	1,589.58	1,410.42	47.01%
MAINT OF STRUCT AND EQUIPMT	HJ	484,026.00	217,441.42	266,584.58	55.08%
MAINT OF LINES - OH	HJ	1,675,794.00	969,092.22	706,701.78	42.17%
MAINT OF LINES - UG	HJ	130,694.00	68,899.79	61,794.21	47.28%
MAINT OF LINE TRANSFORMERS	HJ	156,000.00	87,669.33	68,330.67	43.80%
MAINT OF ST LT & SIG SYSTEM	HJ	9,745.00	(368.90)	10,113.90	103.79%
MAINT OF GARAGE AND STOCKROOM	HJ	660,131.00	313,151.87	346,979.13	52.56%
MAINT OF METERS	HJ	43,875.00	0.00	43,875.00	100.00%
MAINT OF GEN PLANT	RF	178,200.00	74,637.52	103,562.48	58.12%
TOTAL MAINTENANCE EXPENSES		<u>3,341,465.00</u>	<u>1,732,112.83</u>	<u>1,609,352.17</u>	48.16%
DEPRECIATION EXPENSE	RF	3,983,145.00	2,301,128.55	1,682,016.45	42.23%
PURCHASED POWER FUEL EXPENSE	JP	34,326,329.00	21,019,051.42	13,307,277.58	38.77%
VOLUNTARY PAYMENTS TO TOWNS	RF	1,416,000.00	814,973.00	601,027.00	42.45%
TOTAL OPERATING EXPENSES		<u>83,632,495.00</u>	<u>50,690,655.94</u>	<u>32,941,839.06</u>	39.39%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
PROFESSIONAL SERVICES  
01/31/2016

PROFESSIONAL SERVICES BY PROJECT

ITEM	DEPARTMENT	ACTUAL	BUDGET	VARIANCE
1 RMLD AND PENSION TRUST AUDIT FEES	ACCOUNTING	28,895.25	35,000.00	(6,104.75)
2 LEGAL-FERC/ISO/POWER/OTHER	INTEGRATED RESOURCES	55,158.60	80,675.00	(25,516.40)
3 NERC COMPLIANCE AND AUDIT	E & O	20,475.85	9,500.00	10,975.85
4 LEGAL- SOLAR/FIBER	ENGINEERING	17,042.00	5,831.00	11,211.00
5 LEGAL-GENERAL	GM	27,419.40	43,750.00	(16,330.60)
6 LEGAL SERVICES	HR	26,050.25	46,790.00	(20,739.75)
7 SURVEY RIGHT OF WAY/ ENVIRONMENTAL	BLDG. MAINT.	0.00	5,831.00	(5,831.00)
8 INSURANCE CONSULTANT/OTHER	GEN. BENEFIT	16,612.50	15,750.00	862.50
TOTAL		<u>191,653.85</u>	<u>243,127.00</u>	<u>(51,473.15)</u>

PROFESSIONAL SERVICES BY VENDOR

	ACTUAL
MELANSON HEATH	28,500.00
DUNCAN AND ALLEN	36,468.78
CHOATE HALL & STEWART	589.60
COTTE MANAGEMENT CONSULTING LLC	633.75
UTILITY SERVICE INC.	7,700.00
RUBIN AND RUDMAN	66,960.97
SMERCZYNSKI & CONN, PC	17,146.25
PLM ELECTRIC POWER ENGINEERING	17,042.00
FLEET COUNSELOR SERVICES INC.	16,612.50
TOTAL	<u>191,653.85</u>

RMLD  
DEFERRED FUEL CASH RESERVE ANALYSIS  
1/31/16

DATE	GROSS CHARGES	REVENUES	NYPA CREDIT	MONTHLY DEFERRED	TOTAL DEFERRED
Jun-15					5,180,285.15
Jul-15	3,492,949.80	3,083,024.15	(65,798.90)	(475,724.55)	4,704,560.60
Aug-15	3,269,589.09	3,172,916.67	(70,099.15)	(166,771.57)	4,537,789.03
Sep-15	3,302,139.93	3,385,022.47	(100,901.03)	(18,018.49)	4,519,770.54
Oct-15	2,543,916.53	2,607,127.52	(105,545.52)	(42,334.53)	4,477,436.01
Nov-15	2,489,548.12	2,551,186.05	(87,425.40)	(25,787.47)	4,451,648.54
Dec-15	2,757,146.26	2,826,699.78	(91,032.01)	(21,478.49)	4,430,170.05
Jan-16	3,163,761.69	2,656,333.87	(108,747.38)	(616,175.20)	3,813,994.85



RMLD  
BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE  
1/31/16

DIVISION	ACTUAL	BUDGET	VARIANCE	VAR %
BUSINESS DIVISION	5,842,151	5,918,112	(75,961)	-1.28%
INTEGRATED RESOURCES	626,277	839,013	(212,736)	-25.36%
ENGINEERING AND OPERATIONS	2,783,026	3,181,600	(398,573)	-12.53%
FACILITY	2,618,010	2,775,752	(157,741)	-5.68%
GENERAL MANAGER	<u>417,399</u>	<u>510,304</u>	<u>(92,905)</u>	-18.21%
SUB-TOTAL	12,286,864	13,224,781	(937,917)	-7.09%
 PURCHASED POWER BASE	 18,769,743	 18,111,505	 658,238	 3.63%
PURCHASED POWER FUEL	21,019,051	20,861,670	157,381	0.75%
TOTAL	<u><u>52,075,658</u></u>	<u><u>52,197,956</u></u>	<u><u>(122,298)</u></u>	-0.23%

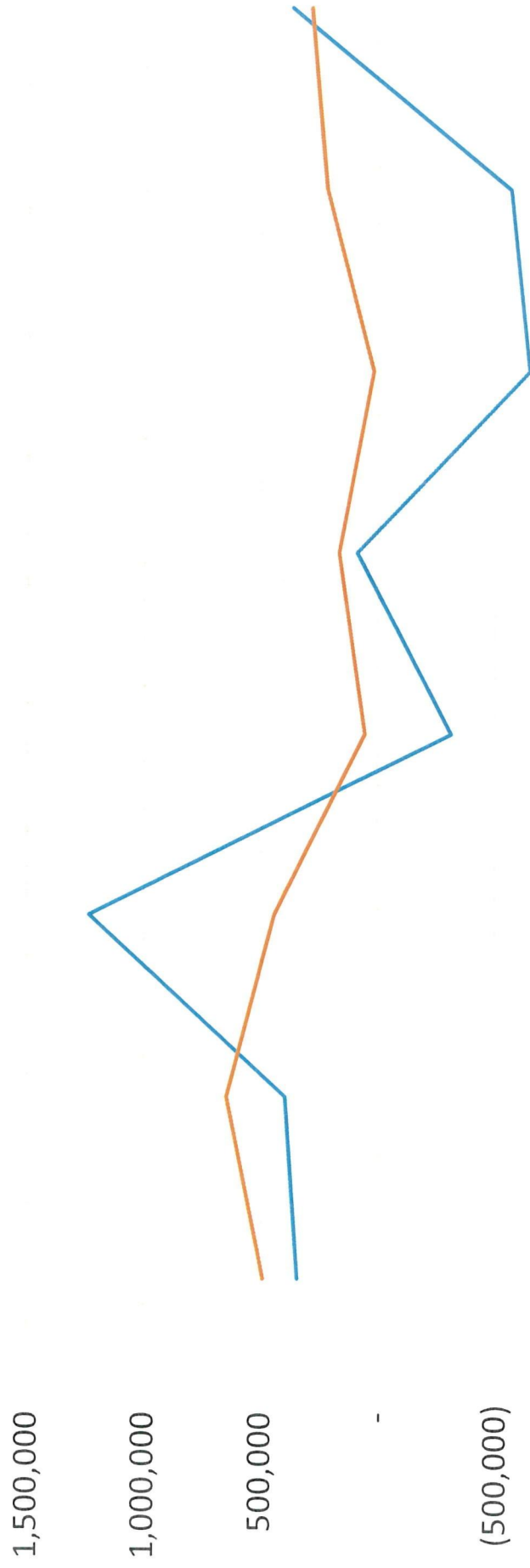
# FINANCIAL REPORT

## FEBRUARY 29, 2016

Wendy Markiewicz – Assistant Director Business Finance

# Change in Net Assets by Month

## FY 16



	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Actual	339,133	391,142	1,233,51	(313,843)	86,974	(648,954)	(568,499)	369,181
Budget	486,580	643,082	440,698	54,350	164,326	18,051	218,063	285,365



# Change in Net Assets Year to Date

## FY 16

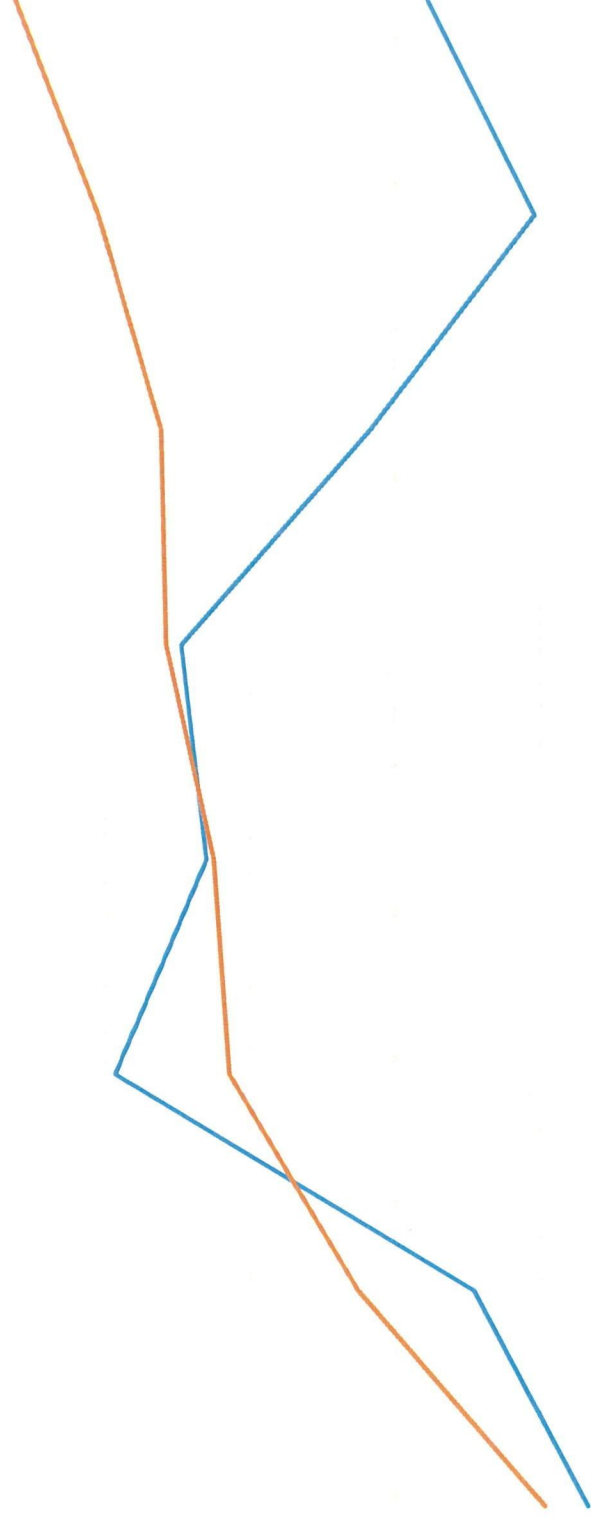
2,500,000

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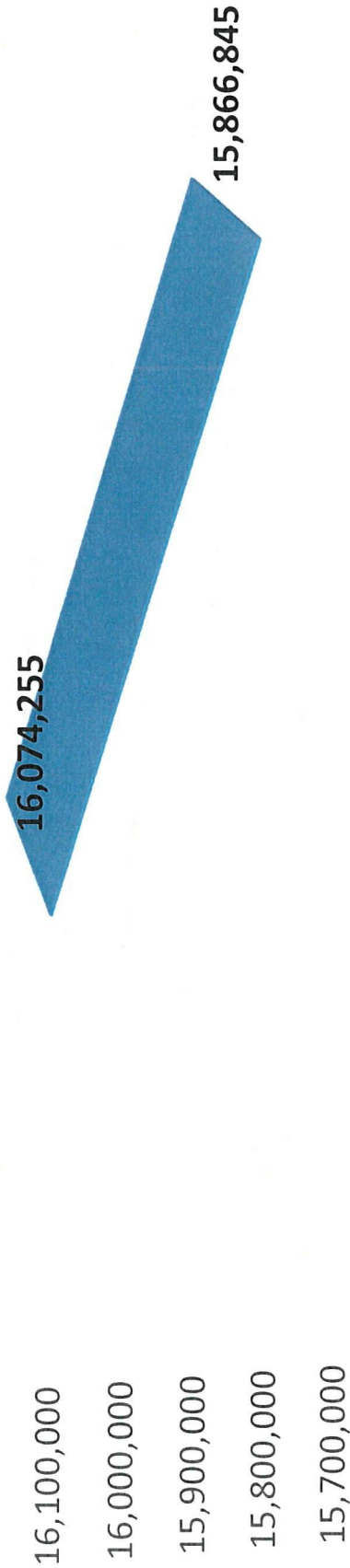
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	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb
Actual YTD	339,133	730,276	1,963,790	1,649,947	1,736,921	1,087,967	519,467	888,648
Budget YTD	486,580	1,129,662	1,570,360	1,624,710	1,789,036	1,807,087	2,025,150	2,310,515

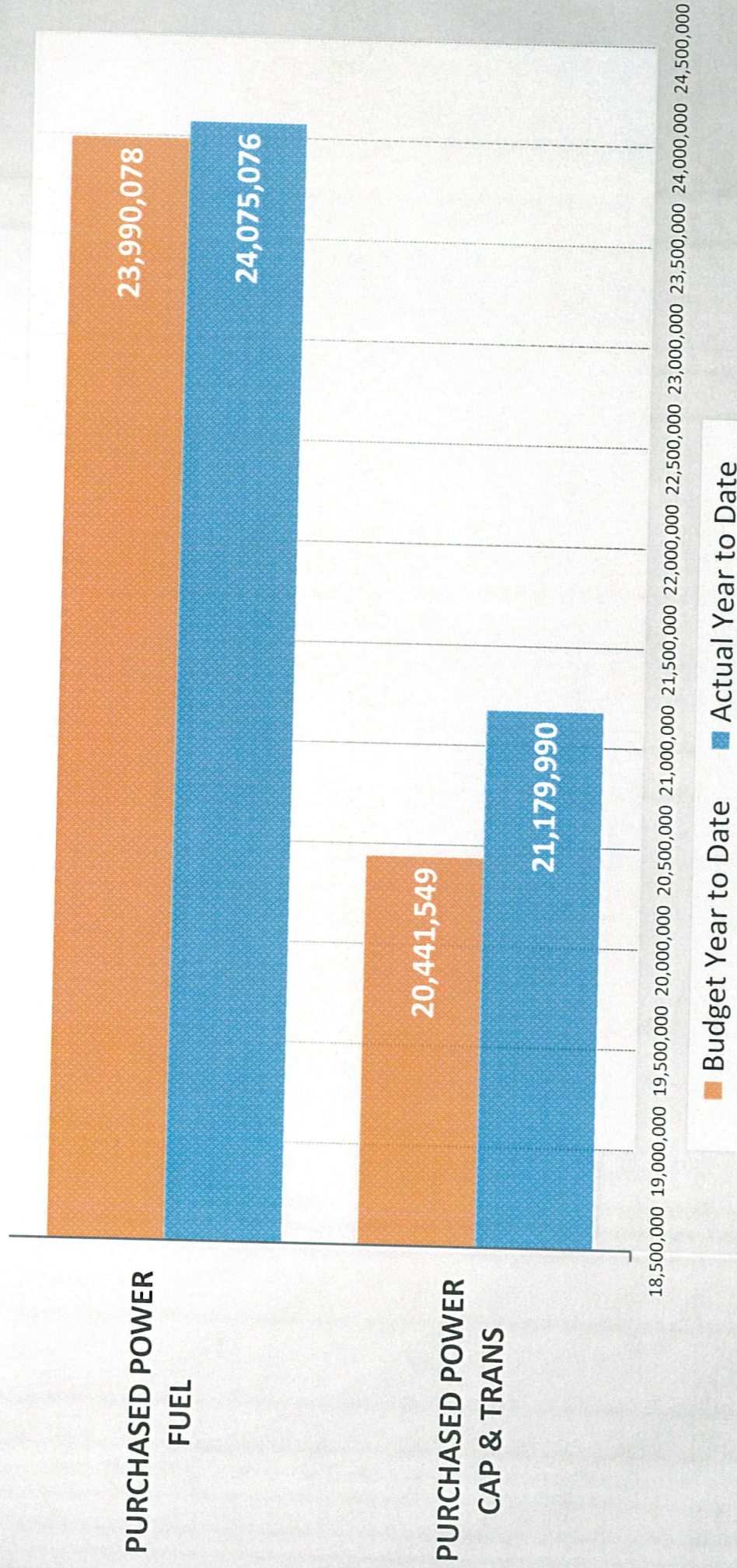
**Base Revenue**  
**FY 16**



Year to Date  
Actual

Year to Date  
Budget

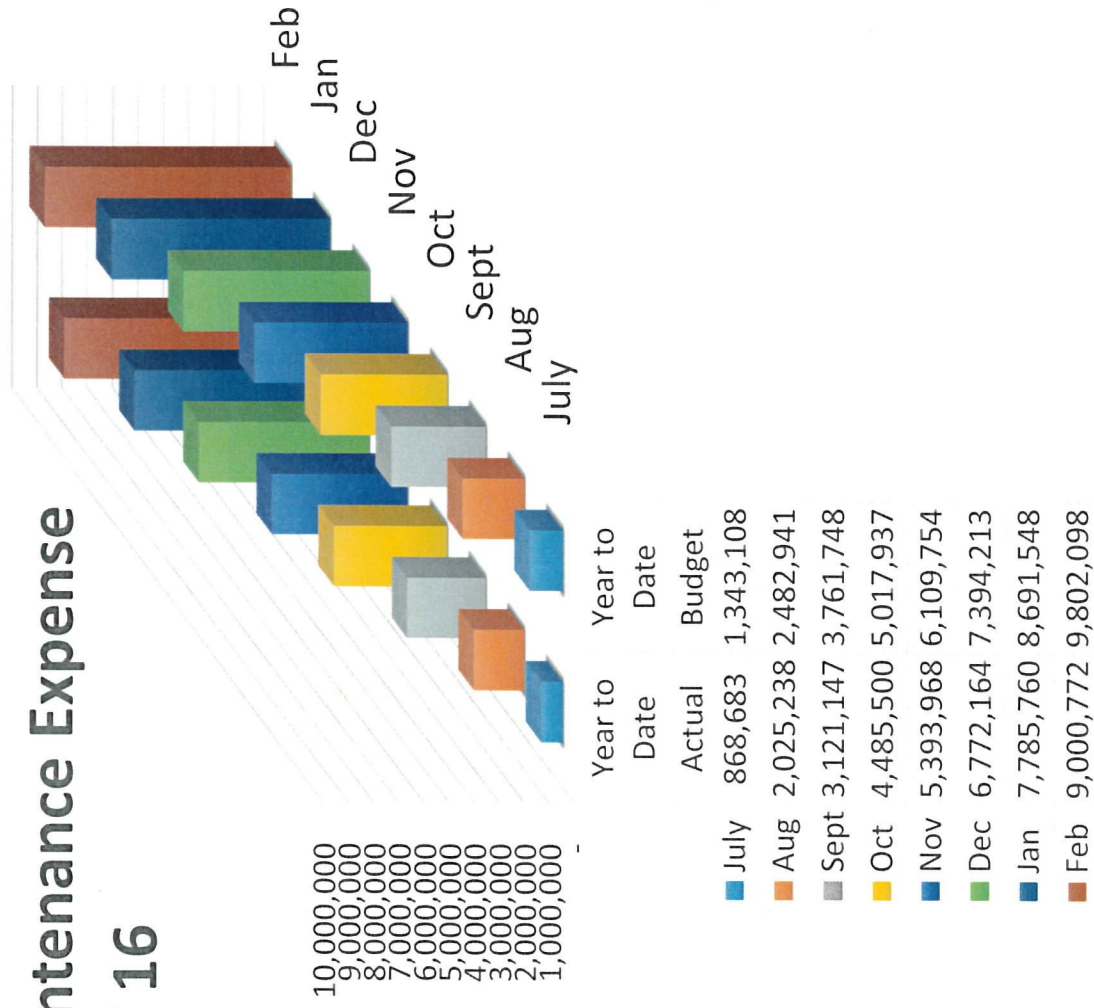
# Purchased Power Expenses Year to Date FY 16





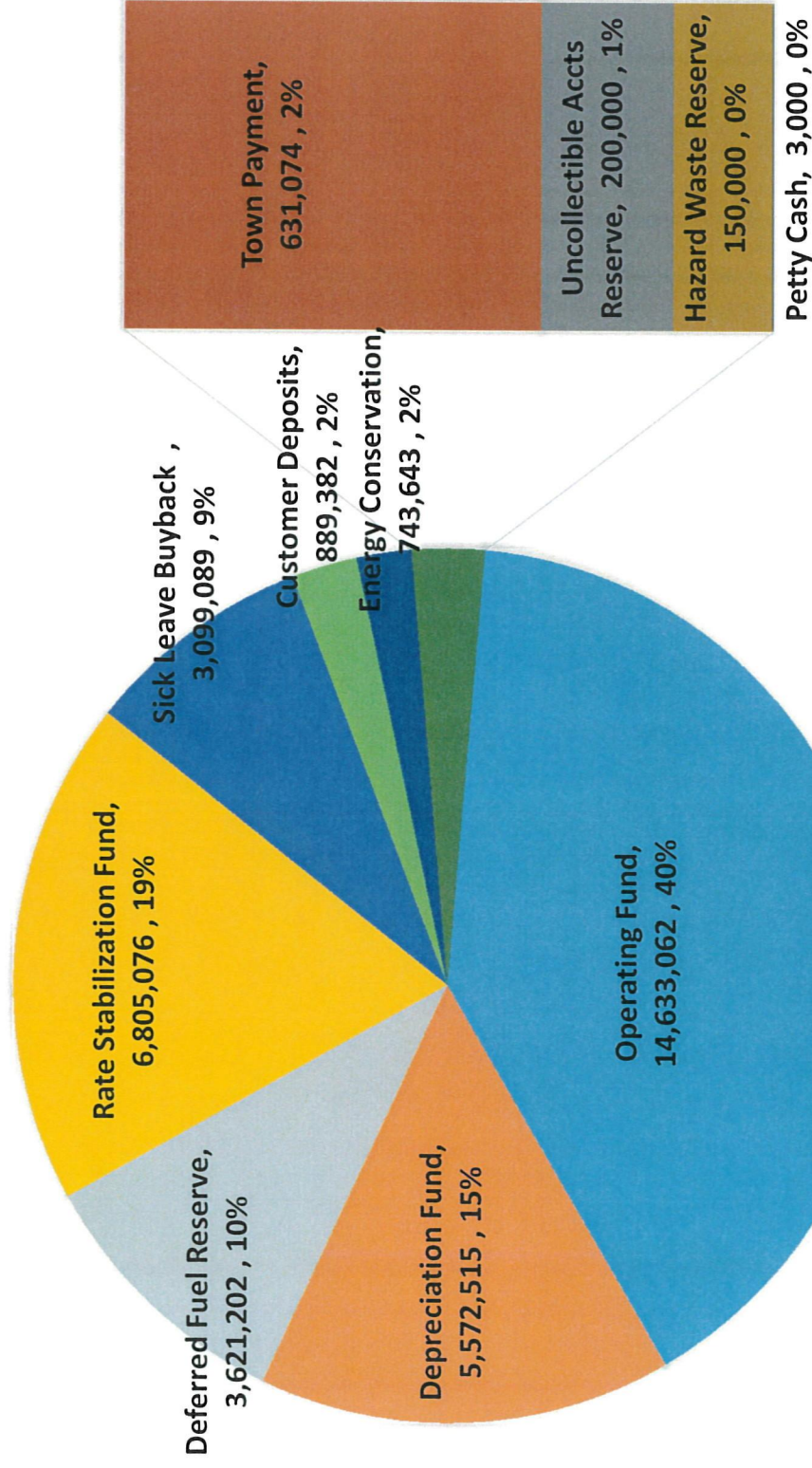
# Operating & Maintenance Expense

FY 16



# CASH

## \$36,348,042



# **FINANCIAL REPORT**

**FEBRUARY 29, 2016**

**ISSUE DATE: MARCH 24, 2016**



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF NET ASSETS  
2/29/16

		PREVIOUS YEAR	CURRENT YEAR
<b>ASSETS</b>			
<b>CURRENT</b>			
UNRESTRICTED CASH	(SCH A P.9)	12,001,155.54	14,636,061.65
RESTRICTED CASH	(SCH A P.9)	21,084,408.77	20,427,919.09
RESTRICTED INVESTMENTS	(SCH A P.9)	1,292,906.26	1,284,061.45
RECEIVABLES, NET	(SCH B P.10)	10,666,277.35	8,055,499.20
PREPAID EXPENSES	(SCH B P.10)	1,606,891.32	2,123,765.16
OTHER DEFERRED DEBITS	(SCH B P.10)	0.00	1,547,815.00
INVENTORY		1,493,429.44	1,659,874.23
<b>TOTAL CURRENT ASSETS</b>		<u>48,145,068.68</u>	<u>49,734,995.78</u>
<b>NONCURRENT</b>			
INVESTMENT IN ASSOCIATED CO	(SCH C P.2)	26,993.75	26,993.75
CAPITAL ASSETS, NET	(SCH C P.2)	69,569,059.01	71,195,894.53
<b>TOTAL NONCURRENT ASSETS</b>		<u>69,596,052.76</u>	<u>71,222,888.28</u>
<b>TOTAL ASSETS</b>		<u>117,741,121.44</u>	<u>120,957,884.06</u>
<b>LIABILITIES</b>			
<b>CURRENT</b>			
ACCOUNTS PAYABLE		8,641,226.71	10,495,643.72
CUSTOMER DEPOSITS		834,764.91	889,381.63
CUSTOMER ADVANCES FOR CONSTRUCTION		560,369.71	967,879.15
ACCRUED LIABILITIES		138,095.59	3,200,760.02
<b>TOTAL CURRENT LIABILITIES</b>		<u>10,174,456.92</u>	<u>15,553,664.52</u>
<b>NONCURRENT</b>			
ACCRUED EMPLOYEE COMPENSATED ABSENCES		2,918,870.73	3,070,487.93
<b>TOTAL NONCURRENT LIABILITIES</b>		<u>2,918,870.73</u>	<u>3,070,487.93</u>
<b>TOTAL LIABILITIES</b>		<u>13,093,327.65</u>	<u>18,624,152.45</u>
<b>NET ASSETS</b>			
INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT		69,569,059.01	71,195,894.53
RESTRICTED FOR DEPRECIATION FUND (P.9)		5,769,263.04	5,572,515.04
UNRESTRICTED		29,309,471.74	25,565,322.04
<b>TOTAL NET ASSETS</b>	(P.3)	<u>104,647,793.79</u>	<u>102,333,731.61</u>
<b>TOTAL LIABILITIES AND NET ASSETS</b>		<u>117,741,121.44</u>	<u>120,957,884.06</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
NONCURRENT ASSET SCHEDULE  
2/29/16

SCHEDULE C

	PREVIOUS YEAR	CURRENT YEAR
SCHEDULE OF INVESTMENTS IN ASSOCIATED COMPANIES		
NEW ENGLAND HYDRO ELECTRIC	2,975.74	2,975.74
NEW ENGLAND HYDRO TRANSMISSION	24,018.01	24,018.01
TOTAL INVESTMENTS IN ASSOCIATED COMPANIES	<u>26,993.75</u>	<u>26,993.75</u>
 SCHEDULE OF CAPITAL ASSETS		
LAND	1,265,842.23	1,265,842.23
STRUCTURES AND IMPROVEMENTS	6,180,734.51	7,222,598.66
EQUIPMENT AND FURNISHINGS	12,455,535.19	12,004,355.11
INFRASTRUCTURE	<u>49,666,947.08</u>	<u>50,703,098.53</u>
TOTAL CAPITAL ASSETS, NET	<u>69,569,059.01</u>	<u>71,195,894.53</u>
 TOTAL NONCURRENT ASSETS	<u>69,596,052.76</u>	<u>71,222,888.28</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
2/29/16

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
OPERATING REVENUES: (SCH D P.11)					
BASE REVENUE	1,899,560.28	1,975,246.75	14,838,771.99	16,074,254.65	8.33%
FUEL REVENUE	3,061,242.48	2,978,402.24	23,799,690.04	23,260,712.75	-2.26%
PURCHASED POWER CAPACITY	2,708,988.35	2,712,157.40	20,273,384.40	20,210,352.21	-0.31%
FORFEITED DISCOUNTS	66,758.80	69,784.06	534,751.53	543,606.67	1.66%
ENERGY CONSERVATION REVENUE	60,570.24	58,597.80	466,132.63	458,032.24	-1.74%
NYPA CREDIT	(114,961.73)	(115,171.18)	(597,415.15)	(744,720.57)	24.66%
<b>TOTAL OPERATING REVENUES</b>	<b>7,682,158.42</b>	<b>7,679,017.07</b>	<b>59,315,315.44</b>	<b>59,802,237.95</b>	<b>0.82%</b>
OPERATING EXPENSES: (SCH E P.12)					
PURCHASED POWER CAPACITY	1,491,533.27	1,414,227.65	11,362,115.95	12,497,855.79	10.00%
PURCHASED POWER TRANSMISSION	944,966.16	996,019.46	8,210,139.06	8,682,134.51	5.75%
PURCHASED POWER FUEL	3,579,980.29	3,056,024.39	22,870,324.72	24,075,075.81	5.27%
OPERATING	862,633.71	885,903.79	7,286,288.82	6,939,550.74	-4.76%
MAINTENANCE	320,830.79	329,107.97	2,241,678.15	2,061,220.80	-8.05%
DEPRECIATION	321,788.79	328,732.65	2,574,310.32	2,629,861.20	2.16%
VOLUNTARY PAYMENTS TO TOWNS	118,000.00	118,000.00	934,754.00	932,973.00	-0.19%
<b>TOTAL OPERATING EXPENSES</b>	<b>7,639,733.01</b>	<b>7,128,015.91</b>	<b>55,479,611.02</b>	<b>57,818,671.85</b>	<b>4.22%</b>
<b>OPERATING INCOME</b>	<b>42,425.41</b>	<b>551,001.16</b>	<b>3,835,704.42</b>	<b>1,983,566.10</b>	<b>-48.29%</b>
NONOPERATING REVENUES (EXPENSES)					
CONTRIBUTIONS IN AID OF CONST	8,629.83	863.72	89,491.75	46,800.95	-47.70%
RETURN ON INVESTMENT TO READING	(194,405.26)	(197,537.08)	(1,555,242.02)	(1,580,296.66)	1.61%
INTEREST INCOME	11,084.59	13,702.55	92,630.40	92,948.88	0.34%
INTEREST EXPENSE	(251.38)	(184.37)	(3,293.45)	(2,427.40)	-26.30%
OTHER (MDSE AND AMORT)	51,323.31	1,335.11	315,168.53	348,056.51	10.44%
<b>TOTAL NONOPERATING REV (EXP)</b>	<b>(123,618.91)</b>	<b>(181,820.07)</b>	<b>(1,061,244.79)</b>	<b>(1,094,917.72)</b>	<b>3.17%</b>
<b>CHANGE IN NET ASSETS</b>	<b>(81,193.50)</b>	<b>369,181.09</b>	<b>2,774,459.63</b>	<b>888,648.38</b>	<b>-67.97%</b>
<b>NET ASSETS AT BEGINNING OF YEAR</b>			<b>101,873,334.16</b>	<b>101,445,083.23</b>	<b>-0.42%</b>
<b>NET ASSETS AT END OF FEBRUARY</b>			<b>104,647,793.79</b>	<b>102,333,731.61</b>	<b>-2.21%</b>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
2/29/16

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE*	% CHANGE
OPERATING REVENUES: (SCH F P.11B)				
BASE REVENUE	16,074,254.65	15,866,845.00	207,409.65	1.31%
FUEL REVENUE	23,260,712.75	24,590,078.00	(1,329,365.25)	-5.41%
PURCHASED POWER CAPACITY	20,210,352.21	20,441,549.00	(231,196.79)	-1.13%
FORFEITED DISCOUNTS	543,606.67	476,007.00	67,599.67	14.20%
ENERGY CONSERVATION REVENUE	458,032.24	460,601.00	(2,568.76)	-0.56%
NYPA CREDIT	(744,720.57)	(600,000.00)	(144,720.57)	24.12%
TOTAL OPERATING REVENUES	59,802,237.95	61,235,080.00	(1,432,842.05)	-2.34%
OPERATING EXPENSES: (SCH G P.12A)				
PURCHASED POWER - CAPACITY	12,497,855.79	11,794,123.00	703,732.79	5.97%
PURCHASED POWER - TRANSMISSION	8,682,134.51	8,647,426.00	34,708.51	0.40%
PURCHASED POWER FUEL	24,075,075.81	23,990,078.00	84,997.81	0.35%
OPERATING MAINTENANCE	6,939,550.74	7,295,612.00	(356,061.26)	-4.88%
DEPRECIATION	2,061,220.80	2,506,486.00	(445,265.20)	-17.76%
VOLUNTARY PAYMENTS TO TOWNS	2,629,861.20	2,655,440.00	(25,578.80)	-0.96%
	932,973.00	944,000.00	(11,027.00)	-1.17%
TOTAL OPERATING EXPENSES	57,818,671.85	57,833,165.00	(14,493.15)	-0.03%
OPERATING INCOME	1,983,566.10	3,401,915.00	(1,418,348.90)	-41.69%
NONOPERATING REVENUES (EXPENSES)				
CONTRIBUTIONS IN AID OF CONST	46,800.95	150,000.00	(103,199.05)	-68.80%
RETURN ON INVESTMENT TO READING	(1,580,296.66)	(1,580,000.00)	(296.66)	0.02%
INTEREST INCOME	92,948.88	100,000.00	(7,051.12)	-7.05%
INTEREST EXPENSE	(2,427.40)	(1,400.00)	(1,027.40)	73.39%
OTHER (MDSE AND AMORT)	348,056.51	240,000.00	108,056.51	45.02%
TOTAL NONOPERATING REV (EXP)	(1,094,917.72)	(1,091,400.00)	(3,517.72)	0.32%
CHANGE IN NET ASSETS	888,648.38	2,310,515.00	(1,421,866.62)	-61.54%
NET ASSETS AT BEGINNING OF YEAR	101,445,083.23	101,445,083.23	0.00	0.00%
NET ASSETS AT END OF FEBRUARY	102,333,731.61	103,755,598.23	(1,421,866.62)	-1.37%

\* ( ) = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
RECONCILIATION OF CAPITAL FUNDS  
2/29/16

SOURCE OF CAPITAL FUNDS:

DEPRECIATION FUND BALANCE 7/1/15	5,434,307.79
CONSTRUCTION FUND BALANCE 7/1/15	1,400,000.00
INTEREST ON DEPRECIATION FUND FY 16	17,705.25
DEPRECIATION TRANSFER FY 16	<u>2,629,861.20</u>
TOTAL SOURCE OF CAPITAL FUNDS	9,481,874.24

USE OF CAPITAL FUNDS:

LESS PAID ADDITIONS TO PLANT THRU FEBRUARY

TOTAL USE OF CAPITAL FUNDS	3,909,359.20
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GENERAL LEDGER CAPITAL FUNDS BALANCE 2/29/16	<u><u>5,572,515.04</u></u>
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TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SALES OF KILOWATT HOURS  
2/29/16

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	23,343,797	20,189,956	178,865,482	175,694,971	-1.77%
COMM. AND INDUSTRIAL SALES	35,179,051	31,394,621	275,637,686	265,723,016	-3.60%
PRIVATE STREET LIGHTING	79,525	84,883	632,921	647,162	2.25%
<b>TOTAL PRIVATE CONSUMERS</b>	<u>58,602,373</u>	<u>51,669,460</u>	<u>455,136,089</u>	<u>442,065,149</u>	-2.87%
 MUNICIPAL SALES:					
STREET LIGHTING	242,710	225,854	1,942,485	1,833,620	-5.60%
MUNICIPAL BUILDINGS	1,024,376	817,744	6,646,477	6,219,229	-6.43%
<b>TOTAL MUNICIPAL CONSUMERS</b>	<u>1,267,086</u>	<u>1,043,598</u>	<u>8,588,962</u>	<u>8,052,849</u>	-6.24%
 SALES FOR RESALE	317,534	247,150	2,337,611	2,204,294	-5.70%
SCHOOL	1,639,613	1,319,021	10,318,189	9,630,232	-6.67%
<b>TOTAL KILOWATT HOURS SOLD</b>	<u>61,826,606</u>	<u>54,279,229</u>	<u>476,380,851</u>	<u>461,952,524</u>	-3.03%



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
KILOWATT HOURS SOLD BY TOWN  
2/29/16

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	20,189,956	6,269,089	3,025,777	4,526,570	6,368,520
COMM & IND	31,394,621	4,210,282	259,470	4,795,774	22,129,095
PVT ST LIGHTS	84,883	15,468	2,455	25,741	41,219
PUB ST LIGHTS	225,854	76,233	29,277	40,268	80,076
MUNI BLDGS	817,744	249,781	163,484	103,115	301,364
SALES/RESALE	247,150	247,150	0	0	0
SCHOOL	1,319,021	462,171	304,433	248,280	304,137
TOTAL	<u>54,279,229</u>	<u>11,530,174</u>	<u>3,784,896</u>	<u>9,739,748</u>	<u>29,224,411</u>

YEAR TO DATE

RESIDENTIAL	175,694,971	55,612,868	25,233,435	40,587,858	54,260,810
COMM & IND	265,723,016	32,715,590	2,151,583	41,738,097	189,117,746
PVT ST LIGHTS	647,162	111,444	14,096	200,506	321,116
PUB ST LIGHTS	1,833,620	618,510	241,833	324,292	648,985
MUNI BLDGS	6,219,229	1,487,273	1,363,654	1,069,260	2,299,042
SALES/RESALE	2,204,294	2,204,294	0	0	0
SCHOOL	9,630,232	3,320,039	2,091,829	1,984,600	2,233,764
TOTAL	<u>461,952,524</u>	<u>96,070,018</u>	<u>31,096,430</u>	<u>85,904,613</u>	<u>248,881,463</u>

LAST YEAR  
TO DATE

RESIDENTIAL	178,865,482	55,629,800	25,715,875	40,756,425	56,763,382
COMM & IND	275,637,686	34,452,729	2,187,350	42,608,138	196,389,469
PVT ST LIGHTS	632,921	107,028	12,159	198,548	315,186
PUB ST LIGHTS	1,942,485	652,739	262,296	341,435	686,015
MUNI BLDGS	6,646,477	1,774,221	1,376,538	1,160,581	2,335,137
SALES/RESALE	2,337,611	2,337,611	0	0	0
SCHOOL	10,318,189	3,469,096	2,160,829	1,719,100	2,969,164
TOTAL	<u>476,380,851</u>	<u>98,423,224</u>	<u>31,715,047</u>	<u>86,784,227</u>	<u>259,458,353</u>

KILOWATT HOURS SOLD TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	37.19%	11.55%	5.57%	8.34%	11.73%
COMM & IND	57.84%	7.76%	0.48%	8.84%	40.76%
PVT ST LIGHTS	0.16%	0.03%	0.00%	0.05%	0.08%
PUB ST LIGHTS	0.41%	0.14%	0.05%	0.07%	0.15%
MUNI BLDGS	1.51%	0.46%	0.30%	0.19%	0.56%
SALES/RESALE	0.46%	0.46%	0.00%	0.00%	0.00%
SCHOOL	2.43%	0.85%	0.56%	0.46%	0.56%
TOTAL	<u>100.00%</u>	<u>21.25%</u>	<u>6.96%</u>	<u>17.95%</u>	<u>53.84%</u>

YEAR TO DATE

RESIDENTIAL	38.03%	12.04%	5.46%	8.79%	11.74%
COMM & IND	57.52%	7.08%	0.47%	9.04%	40.93%
PVT ST LIGHTS	0.14%	0.02%	0.00%	0.04%	0.08%
PUB ST LIGHTS	0.40%	0.13%	0.05%	0.07%	0.15%
MUNI BLDGS	1.35%	0.32%	0.30%	0.23%	0.50%
SALES/RESALE	0.48%	0.48%	0.00%	0.00%	0.00%
SCHOOL	2.08%	0.72%	0.45%	0.43%	0.48%
TOTAL	<u>100.00%</u>	<u>20.79%</u>	<u>6.73%</u>	<u>18.60%</u>	<u>53.88%</u>

LAST YEAR  
TO DATE

RESIDENTIAL	37.52%	11.68%	5.44%	8.64%	11.76%
COMM & IND	58.00%	7.14%	0.46%	8.93%	41.47%
PVT ST LIGHTS	0.13%	0.02%	0.00%	0.04%	0.07%
PUB ST LIGHTS	0.41%	0.14%	0.06%	0.07%	0.14%
MUNI BLDGS	1.36%	0.34%	0.28%	0.24%	0.50%
SALES/RESALE	0.49%	0.49%	0.00%	0.00%	0.00%
SCHOOL	2.09%	0.71%	0.44%	0.33%	0.61%
TOTAL	<u>100.00%</u>	<u>20.52%</u>	<u>6.68%</u>	<u>18.25%</u>	<u>54.55%</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
FORMULA INCOME  
2/29/16

TOTAL OPERATING REVENUES	(P.3)	59,802,237.95
ADD:		
POLE RENTAL		0.00
INTEREST INCOME ON CUSTOMER DEPOSITS		3,532.60
LESS:		
OPERATING EXPENSES	(P.3)	(57,818,671.85)
CUSTOMER DEPOSIT INTEREST EXPENSE		(2,427.40)
FORMULA INCOME (LOSS)		<u>1,984,671.30</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
GENERAL STATISTICS  
2/29/16

		MONTH OF FEB 2015	MONTH OF FEB 2016	% CHANGE		YEAR FEB 2015	THRU FEB 2016
				2015	2016		
SALE OF KWH	(P.5)	61,826,606	54,279,229	0.20%	-3.03%	476,380,851	461,952,524
KWH PURCHASED		57,903,974	54,713,763	-3.38%	1.76%	476,275,857	484,666,417
AVE BASE COST PER KWH		0.025759	0.025848	-39.73%	8.09%	0.023856	0.025787
AVE BASE SALE PER KWH		0.030724	0.036390	-52.76%	11.71%	0.031149	0.034796
AVE COST PER KWH		0.085447	0.081703	-15.35%	4.99%	0.071875	0.075460
AVE SALE PER KWH		0.080237	0.091262	-26.63%	4.98%	0.081108	0.085149
FUEL CHARGE REVENUE (P.3)		3,061,242.48	2,978,402.24	12.23%	-2.26%	23,799,690.04	23,260,712.75
LOAD FACTOR		72.88%	71.85%				
PEAK LOAD		108,841	104,312				



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF CASH AND INVESTMENTS  
2/29/16

SCHEDULE A

	PREVIOUS YEAR	CURRENT YEAR
UNRESTRICTED CASH		
CASH - OPERATING FUND	11,998,155.54	14,633,061.65
CASH - PETTY CASH	3,000.00	3,000.00
TOTAL UNRESTRICTED CASH	<u>12,001,155.54</u>	<u>14,636,061.65</u>
RESTRICTED CASH		
CASH - DEPRECIATION FUND	5,769,263.04	5,572,515.04
CASH - TOWN PAYMENT	624,810.50	631,074.00
CASH - DEFERRED FUEL RESERVE	4,464,645.13	3,621,201.52
CASH - RATE STABILIZATION FUND	6,766,780.52	6,805,075.72
CASH - UNCOLLECTIBLE ACCTS RESERVE	200,000.00	200,000.00
CASH - SICK LEAVE BENEFITS	1,707,316.51	1,815,027.73
CASH - HAZARD WASTE RESERVE	150,000.00	150,000.00
CASH - CUSTOMER DEPOSITS	834,764.91	889,381.63
CASH - ENERGY CONSERVATION	566,828.16	743,643.45
TOTAL RESTRICTED CASH	<u>21,084,408.77</u>	<u>20,427,919.09</u>
INVESTMENTS		
SICK LEAVE BUYBACK	<u>1,292,906.26</u>	<u>1,284,061.45</u>
TOTAL CASH BALANCE	<u>34,378,470.57</u>	<u>36,348,042.19</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF ACCOUNTS RECEIVABLE  
2/29/16

SCHEDULE B

SCHEDULE OF ACCOUNTS RECEIVABLE	PREVIOUS YEAR	CURRENT YEAR
RESIDENTIAL AND COMMERCIAL	5,448,830.14	2,942,907.27
ACCOUNTS RECEIVABLE - OTHER	154,341.39	351,348.40
ACCOUNTS RECEIVABLE - LIENS	35,318.68	19,198.28
ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES	892.14	543.53
SALES DISCOUNT LIABILITY	(317,614.11)	(152,622.24)
RESERVE FOR UNCOLLECTIBLE ACCOUNTS	(277,760.17)	(272,225.99)
TOTAL ACCOUNTS RECEIVABLE BILLED	<u>5,044,008.07</u>	<u>2,889,149.25</u>
UNBILLED ACCOUNTS RECEIVABLE	5,622,269.28	5,166,349.95
TOTAL ACCOUNTS RECEIVABLE, NET	<u><u>10,666,277.35</u></u>	<u><u>8,055,499.20</u></u>

SCHEDULE OF PREPAYMENTS

PREPAID INSURANCE	1,249,692.62	409,392.54
PREPAYMENT PURCHASED POWER	(128,773.22)	1,109,272.99
PREPAYMENT PASNY	259,957.39	307,572.50
PREPAYMENT WATSON	213,314.42	282,657.07
PURCHASED POWER WORKING CAPITAL	12,700.11	14,870.06
TOTAL PREPAYMENT	<u><u>1,606,891.32</u></u>	<u><u>2,123,765.16</u></u>

OTHER DEFERRED DEBITS	<u><u>0.00</u></u>	<u><u>1,547,815.00</u></u>
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ACCOUNTS RECEIVABLE AGING FEBRUARY 2016:

RESIDENTIAL AND COMMERCIAL	2,942,907.27
LESS: SALES DISCOUNT LIABILITY	(152,622.24)
GENERAL LEDGER BALANCE	<u><u>2,790,285.03</u></u>

CURRENT	2,090,812.61	74.94%
30 DAYS	362,035.36	12.97%
60 DAYS	143,280.54	5.13%
90 DAYS	72,599.40	2.60%
OVER 90 DAYS	<u>121,557.12</u>	<u>4.36%</u>
TOTAL	<u><u>2,790,285.03</u></u>	<u><u>100.00%</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE  
2/29/16

SCHEDULE D

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	2,211,172.75	2,012,088.05	17,037,344.66	17,456,459.94	2.46%
COMM AND INDUSTRIAL SALES	2,486,924.22	2,712,966.00	19,781,044.21	20,186,161.73	2.05%
PRIVATE STREET LIGHTING	9,522.59	10,453.86	75,649.08	81,681.94	7.97%
TOTAL PRIVATE CONSUMERS	<u>4,707,619.56</u>	<u>4,735,507.91</u>	<u>36,894,037.95</u>	<u>37,724,303.61</u>	2.25%
MUNICIPAL SALES:					
STREET LIGHTING	29,865.45	26,031.61	238,896.10	124,039.49	-48.08%
MUNICIPAL BUILDINGS	77,175.99	66,462.95	522,810.99	515,327.84	-1.43%
TOTAL MUNICIPAL CONSUMERS	<u>107,041.44</u>	<u>92,494.56</u>	<u>761,707.09</u>	<u>639,367.33</u>	-16.06%
SALES FOR RESALE	26,931.07	21,832.11	199,793.53	192,699.65	-3.55%
SCHOOL	<u>119,210.69</u>	<u>103,814.41</u>	<u>782,923.46</u>	<u>778,596.81</u>	-0.55%
SUB-TOTAL	4,960,802.76	4,953,648.99	38,638,462.03	39,334,967.40	1.80%
FORFEITED DISCOUNTS	66,758.80	69,784.06	534,751.53	543,606.67	1.66%
PURCHASED POWER CAPACITY	2,708,988.35	2,712,157.40	20,273,384.40	20,210,352.21	-0.31%
ENERGY CONSERVATION - RESIDENTIAL	23,384.19	20,205.26	178,970.95	175,782.00	-1.78%
ENERGY CONSERVATION - COMMERCIAL	37,186.05	38,392.54	287,161.68	282,250.24	-1.71%
NYPA CREDIT	(114,961.73)	(115,171.18)	(597,415.15)	(744,720.57)	24.66%
TOTAL REVENUE	<u><u>7,682,158.42</u></u>	<u><u>7,679,017.07</u></u>	<u><u>59,315,315.44</u></u>	<u><u>59,802,237.95</u></u>	0.82%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE BY TOWN  
2/29/16

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	2,012,088.05	629,509.64	298,325.50	450,743.50	633,509.41
INDUS/MUNI BLDG	2,779,428.95	365,592.71	36,602.53	390,948.34	1,986,285.37
PUB.ST.LIGHTS	26,031.61	8,766.03	3,366.59	4,660.75	9,238.24
PRV.ST.LIGHTS	10,453.86	1,771.36	243.13	3,350.34	5,089.03
CO-OP RESALE	21,832.11	21,832.11	0.00	0.00	0.00
SCHOOL	103,814.41	36,321.75	22,614.16	21,235.80	23,642.70
TOTAL	<u>4,953,648.99</u>	<u>1,063,793.60</u>	<u>361,151.91</u>	<u>870,938.73</u>	<u>2,657,764.75</u>

THIS YEAR TO DATE

RESIDENTIAL	17,456,459.94	5,561,555.60	2,485,254.38	4,021,557.26	5,388,092.70
INDUS/MUNI BLDG	20,701,489.57	2,841,536.05	304,059.13	3,327,564.33	14,228,330.06
PUB.ST.LIGHTS	124,039.49	42,002.08	16,087.54	22,276.20	43,673.67
PRV.ST.LIGHTS	81,681.94	13,537.70	1,702.90	26,563.47	39,877.87
CO-OP RESALE	192,699.65	192,699.65	0.00	0.00	0.00
SCHOOL	778,596.81	269,572.70	163,494.86	169,302.69	176,226.56
TOTAL	<u>39,334,967.40</u>	<u>8,920,903.78</u>	<u>2,970,598.79</u>	<u>7,567,263.96</u>	<u>19,876,200.87</u>

LAST YEAR TO DATE

RESIDENTIAL	17,037,344.66	5,324,558.00	2,433,142.14	3,875,258.90	5,404,385.62
INDUS/MUNI BLDG	20,303,855.20	2,883,165.15	290,099.85	3,296,816.18	13,833,774.02
PUB.ST.LIGHTS	238,896.10	80,113.84	32,192.64	42,148.90	84,440.72
PRV.ST.LIGHTS	75,649.08	12,556.82	1,477.76	24,583.79	37,030.71
CO-OP RESALE	199,793.53	199,793.53	0.00	0.00	0.00
SCHOOL	782,923.46	266,613.58	161,919.70	132,597.15	221,793.03
TOTAL	<u>38,638,462.03</u>	<u>8,766,800.92</u>	<u>2,918,832.09</u>	<u>7,371,404.92</u>	<u>19,581,424.10</u>

PERCENTAGE OF OPERATING INCOME TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	40.62%	12.71%	6.02%	9.10%	12.79%
INDUS/MUNI BLDG	56.10%	7.38%	0.74%	7.89%	40.09%
PUB.ST.LIGHTS	0.53%	0.18%	0.07%	0.09%	0.19%
PRV.ST.LIGHTS	0.21%	0.04%	0.00%	0.07%	0.10%
CO-OP RESALE	0.44%	0.44%	0.00%	0.00%	0.00%
SCHOOL	2.10%	0.73%	0.46%	0.43%	0.48%
TOTAL	<u>100.00%</u>	<u>21.48%</u>	<u>7.29%</u>	<u>17.58%</u>	<u>53.65%</u>

THIS YEAR TO DATE

RESIDENTIAL	44.38%	14.14%	6.32%	10.22%	13.70%
INDUS/MUNI BLDG	52.62%	7.22%	0.77%	8.46%	36.17%
PUB.ST.LIGHTS	0.32%	0.11%	0.04%	0.06%	0.11%
PRV.ST.LIGHTS	0.21%	0.03%	0.00%	0.07%	0.11%
CO-OP RESALE	0.49%	0.49%	0.00%	0.00%	0.00%
SCHOOL	1.98%	0.69%	0.42%	0.43%	0.44%
TOTAL	<u>100.00%</u>	<u>22.68%</u>	<u>7.55%</u>	<u>19.24%</u>	<u>50.53%</u>

LAST YEAR TO DATE

RESIDENTIAL	44.09%	13.78%	6.30%	10.03%	13.98%
INDUS/MUNI BLDG	52.55%	7.46%	0.75%	8.53%	35.81%
PUB.ST.LIGHTS	0.62%	0.21%	0.08%	0.11%	0.22%
PRV.ST.LIGHTS	0.20%	0.03%	0.00%	0.06%	0.11%
CO-OP RESALE	0.52%	0.52%	0.00%	0.00%	0.00%
SCHOOL	2.02%	0.69%	0.42%	0.34%	0.57%
TOTAL	<u>100.00%</u>	<u>22.69%</u>	<u>7.55%</u>	<u>19.07%</u>	<u>50.69%</u>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED REVENUE VARIANCE REPORT  
2/29/16

SCHEDULE F

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
SALES OF ELECTRICITY:				
RESIDENTIAL	8,666,620.09	8,623,248.00	43,372.09	0.50%
COMM AND INDUSTRIAL SALES PRIVATE STREET LIGHTING MUNICIPAL BUILDINGS	6,939,095.33	6,620,845.00	318,250.33	4.81%
PUBLIC STREET LIGHTING	90,905.66	252,736.00	(161,830.34)	-64.03%
SALES FOR RESALE	83,434.28	87,640.00	(4,205.72)	-4.80%
SCHOOL	<u>294,199.29</u>	<u>282,376.00</u>	<u>11,823.29</u>	4.19%
TOTAL BASE SALES	16,074,254.65	15,866,845.00	207,409.65	1.31%
TOTAL FUEL SALES	<u>23,260,712.75</u>	<u>24,590,078.00</u>	<u>(1,329,365.25)</u>	-5.41%
TOTAL OPERATING REVENUE	39,334,967.40	40,456,923.00	(1,121,955.60)	-2.77%
FORFEITED DISCOUNTS	543,606.67	476,007.00	67,599.67	14.20%
PURCHASED POWER CAPACITY	20,210,352.21	20,441,549.00	(231,196.79)	-1.13%
ENERGY CONSERVATION - RESIDENTIAL	175,782.00	177,147.00	(1,365.00)	-0.77%
ENERGY CONSERVATION - COMMERCIAL	282,250.24	283,454.00	(1,203.76)	-0.42%
NYPA CREDIT	(744,720.57)	(600,000.00)	(144,720.57)	24.12%
TOTAL OPERATING REVENUES	<u><u>59,802,237.95</u></u>	<u><u>61,235,080.00</u></u>	<u><u>(1,432,842.05)</u></u>	-2.34%

\* ( ) = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING EXPENSES  
2/29/16

SCHEDULE E

OPERATION EXPENSES:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
PURCHASED POWER CAPACITY	1,491,533.27	1,414,227.65	11,362,115.95	12,497,855.79	10.00%
PURCHASED POWER TRANSMISSION	944,966.16	996,019.46	8,210,139.06	8,682,134.51	5.75%
<b>TOTAL PURCHASED POWER</b>	<b>2,436,499.43</b>	<b>2,410,247.11</b>	<b>19,572,255.01</b>	<b>21,179,990.30</b>	<b>8.21%</b>
OPERATION SUP AND ENGINEERING EXP	40,444.31	49,462.92	349,808.37	366,482.32	4.77%
STATION SUP LABOR AND MISC	12,973.70	13,451.58	106,634.80	102,164.12	-4.19%
LINE MISC LABOR AND EXPENSE	81,500.02	48,766.09	574,064.10	460,175.52	-19.84%
STATION LABOR AND EXPENSE	42,315.07	32,249.38	343,014.27	265,073.18	-22.72%
STREET LIGHTING EXPENSE	5,382.73	6,774.98	59,993.39	77,290.05	28.83%
METER EXPENSE	21,736.06	17,957.69	132,542.92	148,095.86	11.73%
MISC DISTRIBUTION EXPENSE	44,208.59	36,423.86	303,924.18	294,833.47	-2.99%
METER READING LABOR & EXPENSE	1,495.61	614.30	12,069.73	17,058.93	41.34%
ACCT & COLL LABOR & EXPENSE	129,043.31	124,752.97	1,181,006.22	1,088,161.85	-7.86%
UNCOLLECTIBLE ACCOUNTS	10,000.00	10,000.00	80,000.00	80,000.00	0.00%
ENERGY AUDIT EXPENSE	35,929.48	43,529.40	273,151.77	374,251.26	37.01%
ADMIN & GEN SALARIES	59,182.14	72,643.27	546,545.28	587,530.88	7.50%
OFFICE SUPPLIES & EXPENSE	28,332.82	31,413.42	202,778.65	219,963.02	8.47%
OUTSIDE SERVICES	29,298.50	31,786.95	268,542.32	223,440.80	-16.79%
PROPERTY INSURANCE	31,242.39	27,632.72	241,495.31	245,681.43	1.73%
INJURIES AND DAMAGES	3,023.31	3,627.56	29,094.03	31,801.44	9.31%
EMPLOYEES PENSIONS & BENEFITS	250,015.06	255,993.34	2,008,000.58	1,849,226.28	-7.91%
MISC GENERAL EXPENSE	5,712.20	7,329.22	105,027.62	96,293.43	-8.32%
RENT EXPENSE	13,912.38	15,734.02	112,029.81	115,869.83	3.43%
ENERGY CONSERVATION	16,886.03	55,760.12	356,565.47	296,157.07	-16.94%
<b>TOTAL OPERATION EXPENSES</b>	<b>862,633.71</b>	<b>885,903.79</b>	<b>7,286,288.82</b>	<b>6,939,550.74</b>	<b>-4.76%</b>
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	227.08	227.08	1,816.66	1,816.66	0.00%
MAINT OF STRUCT AND EQUIPMT	32,153.33	33,655.47	364,404.76	251,096.89	-31.09%
MAINT OF LINES - OH	115,189.89	220,222.62	1,154,938.12	1,189,314.84	2.98%
MAINT OF LINES - UG	35,995.52	13,373.17	113,475.34	82,272.96	-27.50%
MAINT OF LINE TRANSFORMERS	1,256.20	1,227.17	61,321.32	88,896.50	44.97%
MAINT OF ST LT & SIG SYSTEM	(13.84)	(69.57)	(106.38)	(438.47)	312.17%
MAINT OF GARAGE AND STOCKROOM	126,174.51	49,599.25	397,974.36	362,751.12	-8.85%
MAINT OF METERS	0.00	33.34	0.00	33.34	0.00%
MAINT OF GEN PLANT	9,848.10	10,839.44	147,853.97	85,476.96	-42.19%
<b>TOTAL MAINTENANCE EXPENSES</b>	<b>320,830.79</b>	<b>329,107.97</b>	<b>2,241,678.15</b>	<b>2,061,220.80</b>	<b>-8.05%</b>
DEPRECIATION EXPENSE	321,788.79	328,732.65	2,574,310.32	2,629,861.20	2.16%
PURCHASED POWER FUEL EXPENSE	3,579,980.29	3,056,024.39	22,870,324.72	24,075,075.81	5.27%
VOLUNTARY PAYMENTS TO TOWNS	118,000.00	118,000.00	934,754.00	932,973.00	-0.19%
<b>TOTAL OPERATING EXPENSES</b>	<b>7,639,733.01</b>	<b>7,128,015.91</b>	<b>55,479,611.02</b>	<b>57,818,671.85</b>	<b>4.22%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
2/29/16

SCHEDULE G

OPERATION EXPENSES:	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
PURCHASED POWER CAPACITY	12,497,855.79	11,794,123.00	703,732.79	5.97%
PURCHASED POWER TRANSMISSION	8,682,134.51	8,647,426.00	34,708.51	0.40%
TOTAL PURCHASED POWER	<u>21,179,990.30</u>	<u>20,441,549.00</u>	<u>738,441.30</u>	3.61%
OPERATION SUP AND ENGINEERING EXP	366,482.32	417,424.00	(50,941.68)	-12.20%
STATION SUP LABOR AND MISC	102,164.12	55,004.00	47,160.12	85.74%
LINE MISC LABOR AND EXPENSE	460,175.52	447,241.00	12,934.52	2.89%
STATION LABOR AND EXPENSE	265,073.18	296,895.00	(31,821.82)	-10.72%
STREET LIGHTING EXPENSE	77,290.05	61,974.00	15,316.05	24.71%
METER EXPENSE	148,095.86	147,750.00	345.86	0.23%
MISC DISTRIBUTION EXPENSE	294,833.47	304,042.00	(9,208.53)	-3.03%
METER READING LABOR & EXPENSE	17,058.93	21,573.00	(4,514.07)	-20.92%
ACCT & COLL LABOR & EXPENSE	1,088,161.85	1,121,188.00	(33,026.15)	-2.95%
UNCOLLECTIBLE ACCOUNTS	80,000.00	80,000.00	0.00	0.00%
ENERGY AUDIT EXPENSE	374,251.26	318,899.00	55,352.26	17.36%
ADMIN & GEN SALARIES	587,530.88	549,394.00	38,136.88	6.94%
OFFICE SUPPLIES & EXPENSE	219,963.02	200,800.00	19,163.02	9.54%
OUTSIDE SERVICES	223,440.80	274,767.00	(51,326.20)	-18.68%
PROPERTY INSURANCE	245,681.43	310,800.00	(65,118.57)	-20.95%
INJURIES AND DAMAGES	31,801.44	34,368.00	(2,566.56)	-7.47%
EMPLOYEES PENSIONS & BENEFITS	1,849,226.28	1,782,464.00	66,762.28	3.75%
MISC GENERAL EXPENSE	96,293.43	187,819.00	(91,525.57)	-48.73%
RENT EXPENSE	115,869.83	141,336.00	(25,466.17)	-18.02%
ENERGY CONSERVATION	296,157.07	541,874.00	(245,716.93)	-45.35%
TOTAL OPERATION EXPENSES	<u>6,939,550.74</u>	<u>7,295,612.00</u>	<u>(356,061.26)</u>	-4.88%
MAINTENANCE EXPENSES:				
MAINT OF TRANSMISSION PLANT	1,816.66	2,000.00	(183.34)	-9.17%
MAINT OF STRUCT AND EQUIPMENT	251,096.89	253,698.00	(2,601.11)	-1.03%
MAINT OF LINES - OH	1,189,314.84	1,304,959.00	(115,644.16)	-8.86%
MAINT OF LINES - UG	82,272.96	111,798.00	(29,525.04)	-26.41%
MAINT OF LINE TRANSFORMERS	88,896.50	225,000.00	(136,103.50)	-60.49%
MAINT OF ST LT & SIG SYSTEM	(438.47)	6,675.00	(7,113.47)	-106.57%
MAINT OF GARAGE AND STOCKROOM	362,751.12	447,873.00	(85,121.88)	-19.01%
MAINT OF METERS	33.34	35,683.00	(35,649.66)	-99.91%
MAINT OF GEN PLANT	85,476.96	118,800.00	(33,323.04)	-28.05%
TOTAL MAINTENANCE EXPENSES	<u>2,061,220.80</u>	<u>2,506,486.00</u>	<u>(445,265.20)</u>	-17.76%
DEPRECIATION EXPENSE	2,629,861.20	2,655,440.00	(25,578.80)	-0.96%
PURCHASED POWER FUEL EXPENSE	24,075,075.81	23,990,078.00	84,997.81	0.35%
VOLUNTARY PAYMENTS TO TOWNS	932,973.00	944,000.00	(11,027.00)	-1.17%
TOTAL OPERATING EXPENSES	<u>57,818,671.85</u>	<u>57,833,165.00</u>	<u>(14,493.15)</u>	-0.03%

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
2/29/16

OPERATION EXPENSES:	RESPONSIBLE SENIOR MANAGER	2016 ANNUAL BUDGET	ACTUAL YEAR TO DATE	REMAINING BUDGET BALANCE	REMAINING BUDGET %
PURCHASED POWER CAPACITY	JP	17,095,785.00	12,497,855.79	4,597,929.21	26.90%
PURCHASED POWER TRANSMISSION	JP	12,600,639.00	8,682,134.51	3,918,504.49	31.10%
TOTAL PURCHASED POWER		<u>29,696,424.00</u>	<u>21,179,990.30</u>	<u>8,516,433.70</u>	28.68%
OPERATION SUP AND ENGINEERING EXP	HJ	629,691.00	366,482.32	263,208.68	41.80%
STATION SUP LABOR AND MISC	HJ	84,858.00	102,164.12	(17,306.12)	-20.39%
LINE MISC LABOR AND EXPENSE	HJ	666,641.00	460,175.52	206,465.48	30.97%
STATION LABOR AND EXPENSE	HJ	448,347.00	265,073.18	183,273.82	40.88%
STREET LIGHTING EXPENSE	HJ	93,347.00	77,290.05	16,056.95	17.20%
METER EXPENSE	HJ	233,648.00	148,095.86	85,552.14	36.62%
MISC DISTRIBUTION EXPENSE	HJ	457,068.00	294,833.47	162,234.53	35.49%
METER READING LABOR & EXPENSE	HJ	32,578.00	17,058.93	15,519.07	47.64%
ACCT & COLL LABOR & EXPENSE	RF	1,693,219.00	1,088,161.85	605,057.15	35.73%
UNCOLLECTIBLE ACCOUNTS	JP	120,000.00	80,000.00	40,000.00	33.33%
ENERGY AUDIT EXPENSE	JP	482,273.00	374,251.26	108,021.74	22.40%
ADMIN & GEN SALARIES	CO	838,461.00	587,530.88	250,930.12	29.93%
OFFICE SUPPLIES & EXPENSE	CO	301,000.00	219,963.02	81,036.98	26.92%
OUTSIDE SERVICES	CO	377,332.00	223,440.80	153,891.20	40.78%
PROPERTY INSURANCE	HJ	466,200.00	245,681.43	220,518.57	47.30%
INJURIES AND DAMAGES	HJ	51,254.00	31,801.44	19,452.56	37.95%
EMPLOYEES PENSIONS & BENEFITS	HJ	2,633,591.00	1,849,226.28	784,364.72	29.78%
MISC GENERAL EXPENSE	CO	231,022.00	96,293.43	134,728.57	58.32%
RENT EXPENSE	HJ	212,000.00	115,869.83	96,130.17	45.34%
ENERGY CONSERVATION	JP	816,602.00	296,157.07	520,444.93	63.73%
TOTAL OPERATION EXPENSES		<u>10,869,132.00</u>	<u>6,939,550.74</u>	<u>3,929,581.26</u>	36.15%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	HJ	3,000.00	1,816.66	1,183.34	39.44%
MAINT OF STRUCT AND EQUIPMT	HJ	484,026.00	251,096.89	232,929.11	48.12%
MAINT OF LINES - OH	HJ	1,675,794.00	1,189,314.84	486,479.16	29.03%
MAINT OF LINES - UG	HJ	130,694.00	82,272.96	48,421.04	37.05%
MAINT OF LINE TRANSFORMERS	HJ	156,000.00	88,896.50	67,103.50	43.02%
MAINT OF ST LT & SIG SYSTEM	HJ	9,745.00	(438.47)	10,183.47	104.50%
MAINT OF GARAGE AND STOCKROOM	HJ	660,131.00	362,751.12	297,379.88	45.05%
MAINT OF METERS	HJ	43,875.00	33.34	43,841.66	99.92%
MAINT OF GEN PLANT	RF	178,200.00	85,476.96	92,723.04	52.03%
TOTAL MAINTENANCE EXPENSES		<u>3,341,465.00</u>	<u>2,061,220.80</u>	<u>1,280,244.20</u>	38.31%
DEPRECIATION EXPENSE	RF	3,983,145.00	2,629,861.20	1,353,283.80	33.98%
PURCHASED POWER FUEL EXPENSE	JP	34,326,329.00	24,075,075.81	10,251,253.19	29.86%
VOLUNTARY PAYMENTS TO TOWNS	RF	1,416,000.00	932,973.00	483,027.00	34.11%
TOTAL OPERATING EXPENSES		<u>83,632,495.00</u>	<u>57,818,671.85</u>	<u>25,813,823.15</u>	30.87%



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
PROFESSIONAL SERVICES  
02/29/2016

PROFESSIONAL SERVICES BY PROJECT

ITEM	DEPARTMENT	ACTUAL	BUDGET	VARIANCE
1 RMLD AND PENSION TRUST AUDIT FEES	ACCOUNTING	28,895.25	35,000.00	(6,104.75)
2 LEGAL-FERC/ISO/POWER/OTHER	INTEGRATED RESOURCES	55,234.60	92,200.00	(36,965.40)
3 NERC COMPLIANCE AND AUDIT	E & O	23,625.85	10,375.00	13,250.85
4 LEGAL- SOLAR/FIBER	ENGINEERING	18,791.00	6,664.00	12,127.00
5 LEGAL-GENERAL	GM	54,117.35	50,000.00	4,117.35
6 LEGAL SERVICES	HR	26,050.25	55,864.00	(29,813.75)
7 SURVEY RIGHT OF WAY/ ENVIRONMENTAL	BLDG. MAINT.	0.00	6,664.00	(6,664.00)
8 INSURANCE CONSULTANT/OTHER	GEN. BENEFIT	16,726.50	18,000.00	(1,273.50)
TOTAL		<u>223,440.80</u>	<u>274,767.00</u>	<u>(51,326.20)</u>

PROFESSIONAL SERVICES BY VENDOR

	ACTUAL
MELANSON HEATH	28,500.00
DUNCAN AND ALLEN	36,468.78
CHOATE HALL & STEWART	589.60
COTTE MANAGEMENT CONSULTING LLC	633.75
UTILITY SERVICE INC.	10,850.00
RUBIN AND RUDMAN	93,848.92
SMERCZYNSKI & CONN, PC	17,146.25
PLM ELECTRIC POWER ENGINEERING	18,791.00
FLEET COUNSELOR SERVICES INC.	16,612.50
TOTAL	<u>223,440.80</u>

RMLD  
DEFERRED FUEL CASH RESERVE ANALYSIS  
2/29/16

DATE	GROSS CHARGES	REVENUES	NYP&A CREDIT	MONTHLY DEFERRED	TOTAL DEFERRED
Jun-15					5,180,285.15
Jul-15	3,492,949.80	3,083,024.15	(65,798.90)	(475,724.55)	4,704,560.60
Aug-15	3,269,589.09	3,172,916.67	(70,099.15)	(166,771.57)	4,537,789.03
Sep-15	3,302,139.93	3,385,022.47	(100,901.03)	(18,018.49)	4,519,770.54
Oct-15	2,543,916.53	2,607,127.52	(105,545.52)	(42,334.53)	4,477,436.01
Nov-15	2,489,548.12	2,551,186.05	(87,425.40)	(25,787.47)	4,451,648.54
Dec-15	2,757,146.26	2,826,699.78	(91,032.01)	(21,478.49)	4,430,170.05
Jan-16	3,163,761.69	2,656,333.87	(108,747.38)	(616,175.20)	3,813,994.85
Feb-16	3,056,024.39	2,978,402.24	(115,171.18)	(192,793.33)	3,621,201.52

RMLD  
BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE  
2/29/16

DIVISION	ACTUAL	BUDGET	VARIANCE	VAR %
BUSINESS DIVISION	6,665,331	6,747,693	(82,362)	-1.22%
INTEGRATED RESOURCES	725,643	952,975	(227,332)	-23.85%
ENGINEERING AND OPERATIONS	3,245,725	3,553,812	(308,087)	-8.67%
FACILITY	3,022,873	3,155,015	(132,142)	-4.19%
GENERAL MANAGER	<u>486,758</u>	<u>573,442</u>	<u>(86,684)</u>	-15.12%
SUB-TOTAL	14,146,330	14,982,937	(836,607)	-5.58%
PURCHASED POWER BASE	21,179,990	20,441,549	738,441	3.61%
PURCHASED POWER FUEL	24,075,076	23,990,078	84,998	0.35%
TOTAL	<u><u>59,401,396</u></u>	<u><u>59,414,564</u></u>	<u><u>(13,168)</u></u>	-0.02%

March 24, 2016

Town of Reading Municipal Light Board

Subject: Mailing Services for Municipal Electric Bills

On December 30, 2015, a bid invitation was placed as a legal notice in the Reading Daily Times Chronicle, Middlesex East Section, requesting bids for RMLD's Mailing Services for Municipal Electric Bills.

An invitation to bid was sent to the following 15 companies:

Bill Trust	Data Integrators	Peregrine Solutions
Boston Mailing Company	JLS Mailing Services	PKS Associates
Cathedral Corporation	Kubra	Royco Mailing Services
Collector Solutions	Mailways, Inc.	RR Donnelly
D3, Inc.	Mass Communications	Touchpoint Customer Communication

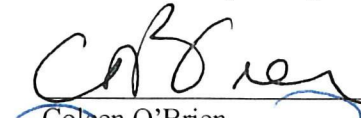
Bids were received from four companies: Cathedral Corporation, Data Integrators, Mass Communications, and Touchpoint Customer Communications.

The bids were publicly opened and read aloud at 11:00 A.M. on Thursday, January 14, 2016, in the Town of Reading Municipal Light Department's Wilfred E. Spurr Room, 230 Ash Street, Reading, MA.

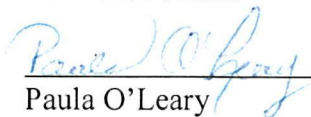
The bids were reviewed, analyzed and evaluated by staff and recommended by the General Manager. Please see attached analysis.

Move that bid 2016-22 - Mailing Services for Municipal Electric Bills be awarded to: Data Integrators for \$55,332 for a three (3) year total (\$18,444/year), as the lowest qualified, responsive and responsible bidder on the recommendation of the General Manager.

The FY 2016 Operating Budget amount for this item is \$24,000.

  
Colleen O'Brien

  
Robert E. Fournier

  
Paula O'Leary

3/14/16  
8-



RESPONSIVE ANALYSIS - 2016-22 MAILING SERVICES									
Bidder	Bid Security	Tax Compliance Signed	Non Collusion Signed	Addenda Received (4)	Exceptions	Bid Form with Pricing	Bidder Qualification with references	Meets Ins. Req.	Certificate of Vote
Data Integrators	X	X*	X	4	None	X	X	N/A	X
Touchpoint Customer Communications	X	X	X	4	None	X	X	N/A	X
Cathedral Corporation	X	X	X	4	None	X	X	N/A	X
Mass Communications	X	X	X	4	None	X	X	N/A	X
*Form needs to be signed.									
All Bidders are responsive.									

PURCHASING PRICE ANALYSIS - 2016-22 - MAILING SERVICES									
Bidder	Year 1 Monthly	Year 2 Monthly	Year 3 Monthly	Year 1 Annual	Year 2 Annual	Year 3 Annual	3 year total		
	Option A *								
Data Integrators	1,537.00	1,537.00	1,537.00	18,444.00	18,444.00	18,444.00	55,332.00		
Touchpoint Customer Communications	2,030.00	2,320.00	2,320.00	24,360.00	27,840.00	27,840.00	80,040.00		
Cathedral Corporation	2,400.00	2,400.00	2,400.00	28,800.00	28,800.00	28,800.00	86,400.00		
Mass Communications	2,900.00	2,900.00	2,900.00	34,800.00	34,800.00	34,800.00	104,400.00		
	Option B *								
Data Integrators	3,045.00	3,045.00	3,045.00	36,540.00	36,540.00	36,540.00	109,620.00		
Touchpoint Customer Communications	2,900.00	3,045.00	3,045.00	34,800.00	36,540.00	36,540.00	107,880.00		
Cathedral Corporation	3,944.67	3,944.67	3,944.67	47,336.04	47,336.04	47,336.04	142,008.12		
Mass Communications	no option	no option	no option	no option	no option	no option	no option		
*The difference between Option A and Option B is that in Option A, the RMLD supplies all materials; in Option B, the Vendor provides the materials.									



# Integrated Resources

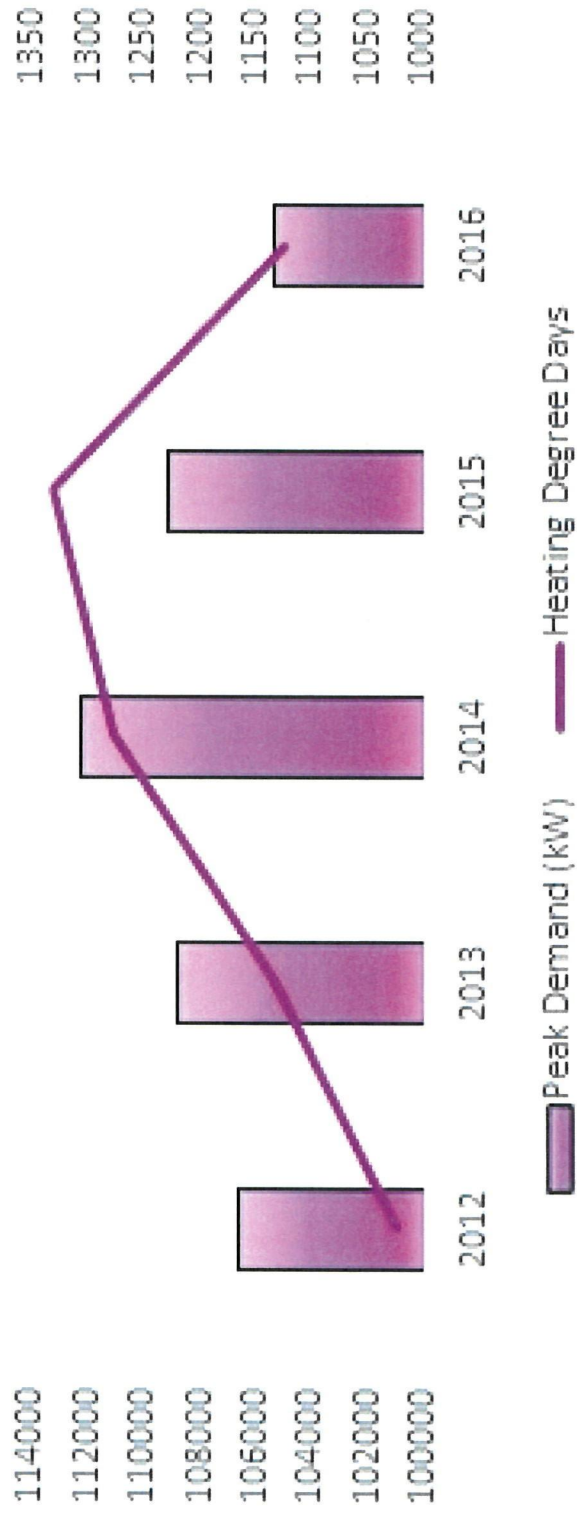
MARCH 23, 2016

RMLD BOARD OF COMMISSIONERS MEETING  
REPORTING FOR JANUARY & FEBRUARY 2016

Jane Parenteau  
Director of IRD

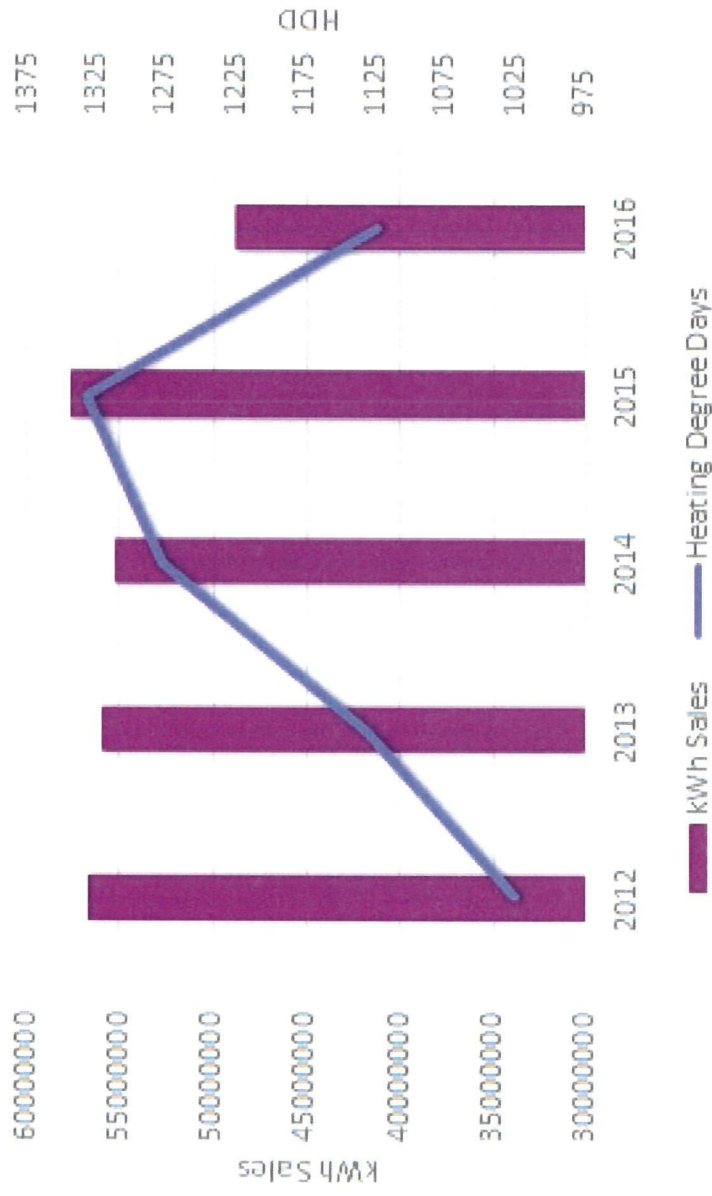


# System Peak vs. Heating Degree Days(HDD) January 2012-2016

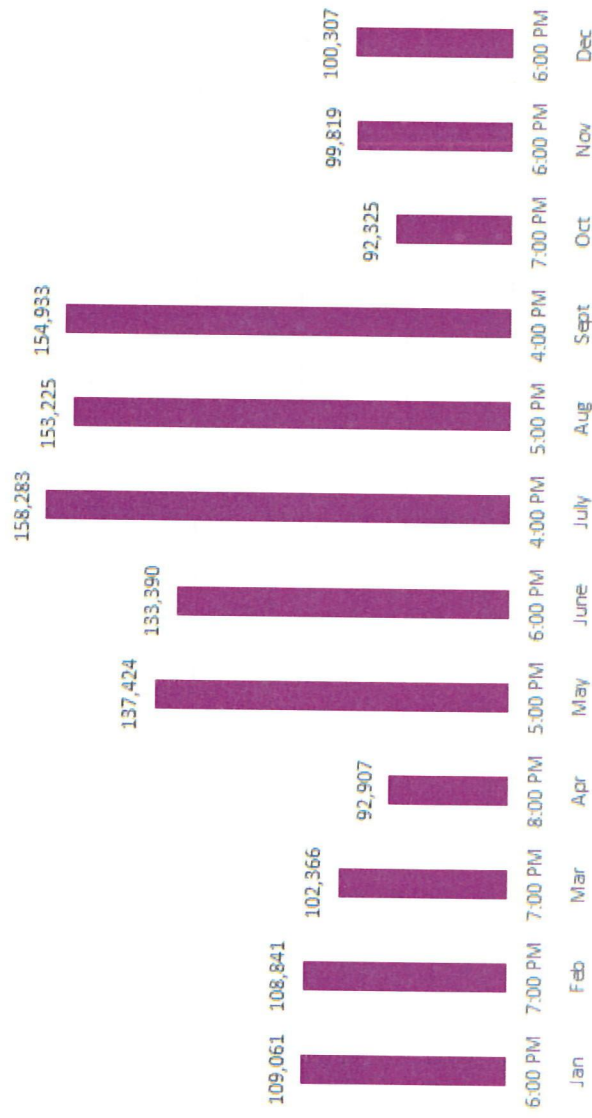




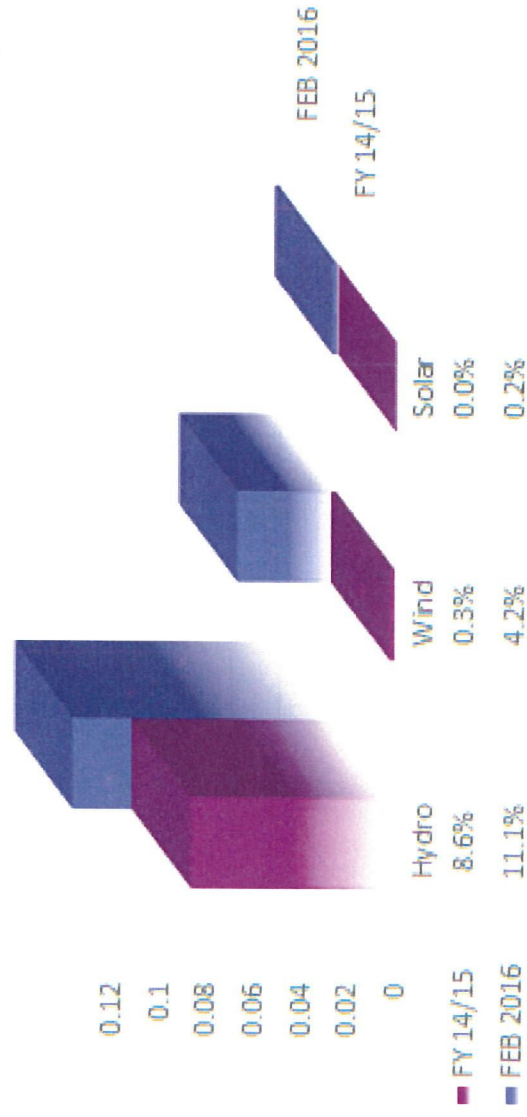
# KWh Sales vs. Heating Degree Days(HDD) January 2012-2016



# System Peak and Time of Day Calendar Year 2015



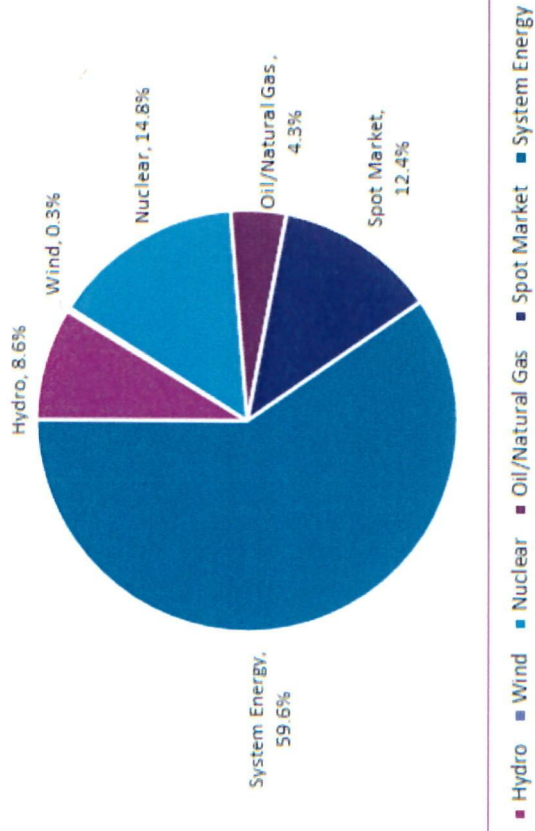
# Renewables FY2014/2015 vs. February 2016



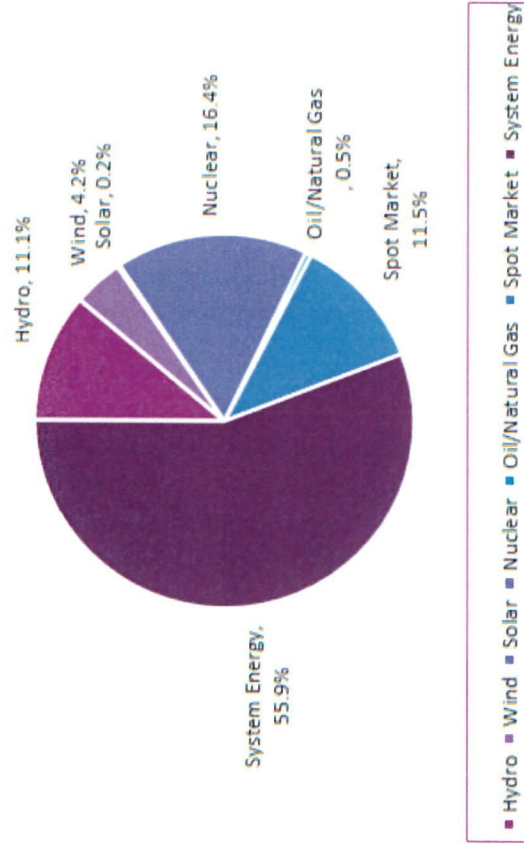


# Resources by Type

Fiscal Year 2014/2015

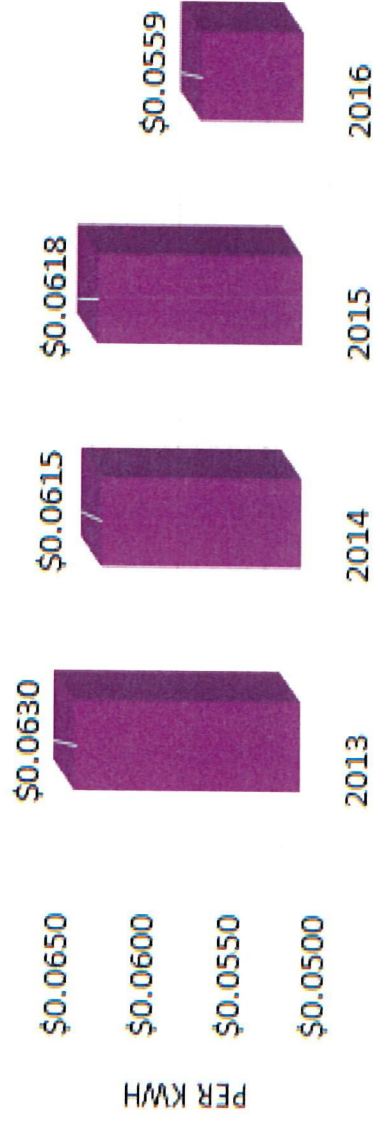


February 2016





# Imbedded Energy Costs February 2013-2016



To: Coleen O'Brien

From:  Maureen McHugh, Jane Parenteau 

Date: February 24, 2016

Subject: Purchase Power Summary – January, 2016

Energy Services Division (ESD) has completed the Purchase Power Summary for the month of January, 2016.

## ENERGY

The RMLD's total metered load for the month was 59,069,230 kWh, which is a 4.28% decrease from the January, 2015 figures.

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

**Table 1**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy	Total \$ Costs	\$ as a %
Millstone #3	3,051,452	\$6.71	5.21%	\$20,475	0.66%
Seabrook	5,549,726	\$6.51	9.47%	\$36,143	1.16%
Stonybrook Intermediate	761,266	\$145.03	1.30%	\$110,404	3.53%
Shell Energy	8,455,000	\$64.07	14.43%	\$541,697	17.34%
NextEra	0	\$0.00	0.00%	\$0	0.00%
NYPA	2,442,537	\$4.92	4.17%	\$12,017	0.38%
ISO Interchange	9,481,167	\$41.23	16.18%	\$390,874	12.51%
NEMA Congestion	0	\$0.00	0.00%	-\$30,396	-0.97%
Coop Resales	14,126	\$148.66	0.02%	\$2,100	0.07%
BP Energy	9,273,600	\$46.90	15.83%	\$434,932	13.92%
Hydro Projects*	3,961,058	\$87.88	6.76%	\$348,080	11.14%
Braintree Watson Unit	149,471	\$178.00	0.26%	\$26,605	0.85%
Saddleback Wind	1,711,387	\$94.78	2.92%	\$162,198	5.19%
One Burlington Solar	169,118	\$35.70	0.29%	\$6,037	0.19%
Exelon	13,510,800	\$77.73	23.06%	\$1,050,131	33.62%
Stonybrook Peaking	65,341	\$186.58	0.11%	\$12,191	0.39%
Monthly Total	58,596,049	\$53.31	100.00%	\$3,123,489	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 January, 2016.

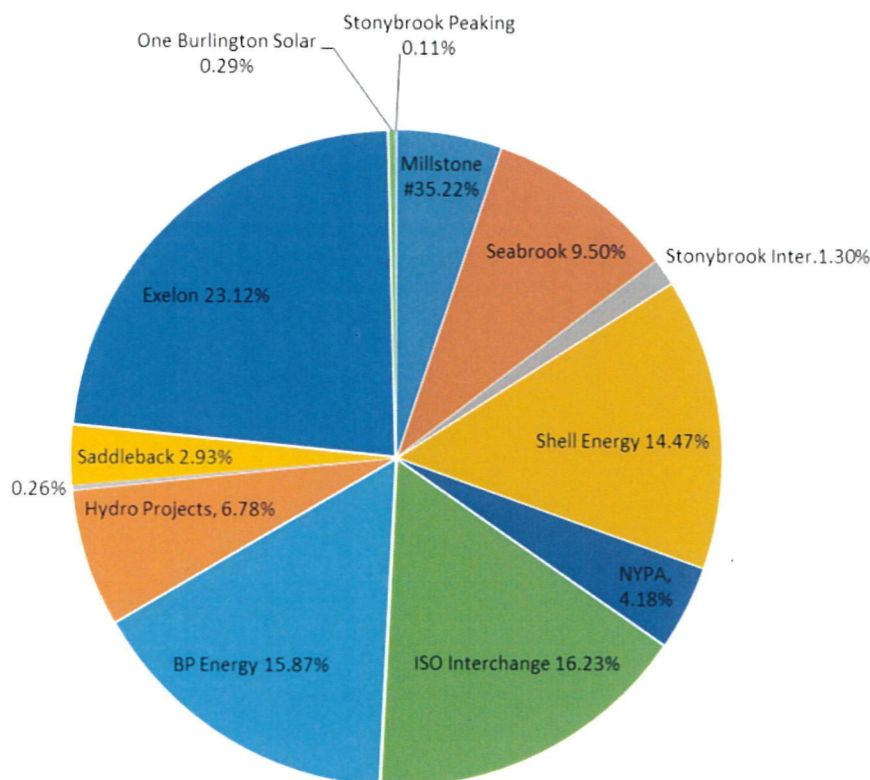
**Table 2**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP * Settlement	6,569,991	\$30.28	11.01%
RT Net Energy ** Settlement	2,911,172	\$67.99	4.88%
ISO Interchange (subtotal)	9,481,167	\$41.23	15.88%

\* Independent System Operator Day-Ahead Locational Marginal Price

\*\* Real Time Net Energy

### **JANUARY 2016 ENERGY BY RESOURCE**



## CAPACITY

The RMLD hit a demand of 105,260 kW, which occurred on January 19, at 7 pm. The RMLD's monthly UCAP requirement for January, 2016 was 224,696 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	30.74	\$152,138	9.26%
Seabrook	7,910	50.10	\$396,307	24.13%
Stonybrook Peaking	24,981	1.98	\$49,489	3.01%
Stonybrook CC	42,925	7.11	\$305,143	18.58%
NYPA	4,019	4.19	\$16,834	1.02%
Hydro Quebec	0	0	\$10,581	0.64%
Nextera	60,000	5.90	\$354,000	21.55%
Braintree Watson Unit	10,520	10.98	\$115,489	7.03%
ISO-NE Supply Auction	67,389	3.60	\$242,354	14.76%
Hydro Projects	2,002	0.00	\$0	0.00%
Total	224,696	\$7.31	\$1,642,335	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	\$20,475	\$152,138	\$172,614	3.62%	3,051,452	0.0566
Seabrook	\$36,143	\$396,307	\$432,451	9.07%	5,549,726	0.0779
Stonybrook Intermediate	\$110,404	\$305,143	\$415,547	8.72%	761,266	0.5459
Hydro Quebec	\$0	\$10,581	\$10,581	0.22%	-	0.0000
Shell Energy	\$541,697	\$0	\$541,697	11.37%	8,455,000	0.0641
NextEra	\$0	\$354,000	\$354,000	7.43%	-	0.0000
* NYPA	\$12,017	\$16,834	\$28,851	0.61%	2,442,537	0.0118
ISO Interchange	\$390,874	\$242,354	\$633,229	13.29%	9,481,167	0.0668
Nema Congestion	-\$30,396	\$0	-\$30,396	-0.64%	-	0.0000
BP Energy	\$434,932	\$0	\$434,932	9.13%	9,273,600	0.0469
* Hydro Projects	\$348,080	\$0	\$348,080	7.30%	3,961,058	0.0879
Braintree Watson Unit	\$26,605	\$115,489	\$142,094	2.98%	149,471	0.9506
* Saddleback Wind	\$162,198	\$0	\$162,198	3.40%	1,711,387	0.0948
* One Burlington Solar	\$6,037	\$0	\$6,037	0.13%	169,118	0.0357
Coop Resales	\$2,100	\$0	\$2,100	0.04%	14,126	0.1487
Exelon Energy	\$1,050,131	\$0	\$1,050,131	22.03%	13,510,800	0.0777
Stonybrook Peaking	\$12,191	\$49,489	\$61,680	1.29%	65,341	0.9440
Monthly Total	\$3,123,489	\$1,642,335	\$4,765,824	100.00%	58,596,049	0.0813
* Renewable Resources					14.14%	



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

Table 5 shows the amount of banked and projected RECs for the Swift River Hydro Projects through January 2016, as well as their estimated market value.

**Table 5**  
**RECs Summary**  
**Period - January 2015 - January 2016**

	<b>Banked RECs</b>	<b>Projected RECs</b>	<b>Total RECs</b>	<b>Est. Dollars</b>
Woronoco	836	3,571	4,407	\$189,501
Pepperell	1,939	3,237	5,176	\$222,568
Indian River	817	2,325	3,142	\$135,106
Turners Falls	132	1,582	1,714	\$0
Saddleback	1087	7,511	8,598	\$369,714
Jericho	0	961	961	\$41,323
<b>Sub total</b>	<b>4,811</b>	<b>19,187</b>	<b>23,998</b>	<b>\$958,212</b>
RECs Sold			0	\$0
<b>Grand Total</b>	<b>4,811</b>	<b>19,187</b>	<b>23,998</b>	<b>\$958,212</b>

## **TRANSMISSION**

The RMLD's total transmission costs for the month of January, 2016 were \$873,184. This is a decrease of 8.59% from the December transmission cost of \$955,262. In January, 2015 the transmission costs were \$721,439.

**Table 6**

	<b>Current Month</b>	<b>Last Month</b>	<b>Last Year</b>
Peak Demand (kW)	105,260	100,307	109,061
Energy (kWh)	59,693,490	56,019,481	61,776,997
Energy (\$)	\$3,163,762	\$2,757,146	\$3,456,179
Capacity (\$)	\$1,642,335	\$1,578,215	\$1,541,650
Transmission(\$)	\$873,184	\$955,262	\$721,439
Total	\$5,679,280	\$5,290,623	\$5,719,269

To: Coleen O'Brien

From: Maureen McHugh, Jane Parenteau

Date: March 22, 2016

Subject: Purchase Power Summary – February, 2016

Energy Services Division (ESD) has completed the Purchase Power Summary for the month of February, 2016.

## ENERGY

The RMLD's total metered load for the month was 54,577,455 kWh, which is a 6.06% decrease from the February, 2015 figures.

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

**Table 1**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy	Total \$ Costs	\$ as a %
Millstone #3	3,456,006	\$6.72	6.32%	\$23,210	0.76%
Seabrook	5,525,334	\$6.32	10.10%	\$34,920	1.14%
Stonybrook Intermediate	8,383	\$1,501.27	0.02%	\$12,585	0.41%
Shell Energy	7,500,600	\$64.09	13.71%	\$480,730	15.73%
NextEra	0	\$0.00	0.00%	\$0	0.00%
NYP&A	2,187,312	\$4.92	4.00%	\$10,762	0.35%
ISO Interchange	6,314,773	\$46.30	11.54%	\$292,344	9.57%
NEMA Congestion	0	\$0.00	0.00%	-\$74,331	-2.43%
Coop Resales	11,454	\$157.81	0.02%	\$1,808	0.06%
BP Energy	8,783,400	\$46.90	16.05%	\$411,941	13.48%
Hydro Projects*	3,907,078	\$82.13	7.14%	\$320,877	10.50%
Braintree Watson Unit	199,177	\$307.64	0.36%	\$61,275	2.01%
Saddleback/Jericho Wind	2,317,661	\$157.09	4.24%	\$364,075	11.91%
One Burlington Solar	128,962	\$70.00	0.24%	\$9,027	0.30%
Exelon	14,310,000	\$76.52	26.15%	\$1,095,040	35.83%
Stonybrook Peaking	63,623	\$184.87	0.12%	\$11,762	0.38%
Monthly Total	54,713,763	\$55.85	100.00%	\$3,056,024	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 February, 2016.

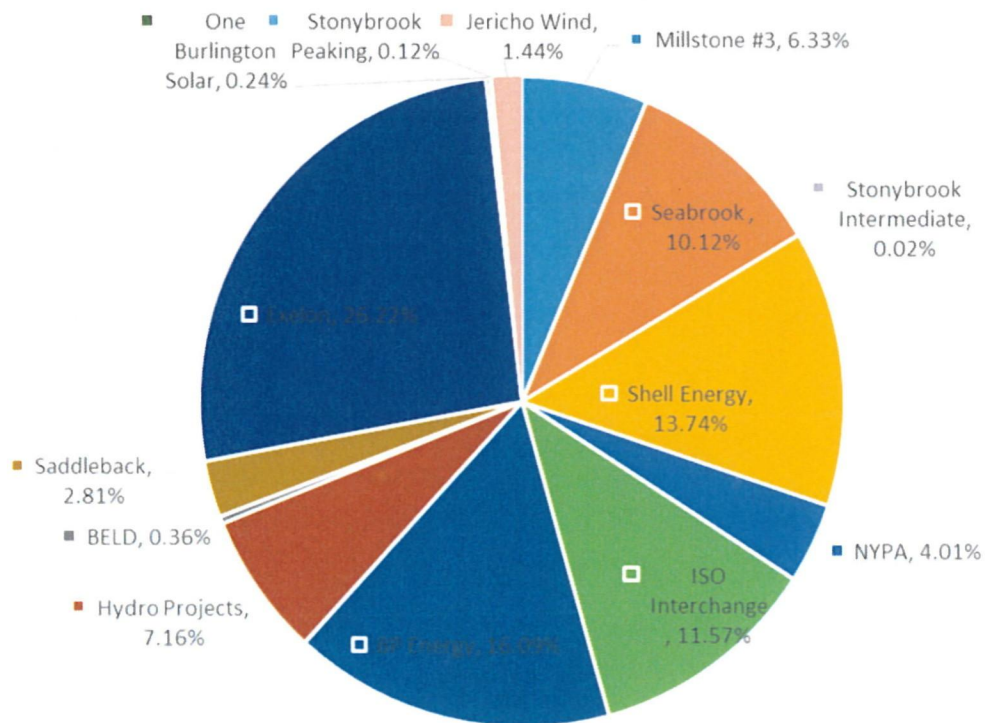
**Table 2**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP *	12,054,511	\$34.57	22.03%
Settlement			
RT Net Energy **	-5,739,738	\$21.70	-10.49%
Settlement			
ISO Interchange (subtotal)	6,314,773	\$46.30	11.54%

\* Independent System Operator Day-Ahead Locational Marginal Price

\*\* Real Time Net Energy

## **FEBRUARY 2016 ENERGY BY RESOURCE**



## CAPACITY

The RMLD hit a demand of 104,312 kW, which occurred on February 8, at 6 pm. The RMLD's monthly UCAP requirement for February, 2016 was 224,700 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	30.71	\$152,024	10.19%
Seabrook	7,910	35.15	\$278,018	18.64%
Stonybrook Peaking	24,981	2.07	\$51,675	3.46%
Stonybrook CC	42,925	7.08	\$303,945	20.38%
NYPA	4,019	4.19	\$16,834	1.13%
Hydro Quebec	0	0	\$7,292	0.49%
Nextera	60,000	5.90	\$354,000	23.73%
Braintree Watson Unit	10,520	11.08	\$116,573	7.82%
ISO-NE Supply Auction	67,393	3.13	\$211,211	14.16%
Hydro Projects	2,002	0.00	\$0	0.00%
<b>Total</b>	<b>224,700</b>	<b>\$6.64</b>	<b>\$1,491,572</b>	<b>100.00%</b>

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

**Table 4**

Resource	Energy	Capacity	Total cost	% of Total Cost	Amt of Energy (kWh)	Cost of Power (\$/kWh)
Millstone #3	\$23,210	\$152,024	\$175,234	3.85%	3,456,006	0.0507
Seabrook	\$34,920	\$278,018	\$312,938	6.88%	5,525,334	0.0566
Stonybrook Intermediate	\$12,585	\$303,945	\$316,530	6.96%	8,383	37.7586
Hydro Quebec	\$0	\$7,292	\$7,292	0.16%	-	0.0000
Shell Energy	\$480,730	\$0	\$480,730	10.57%	7,500,600	0.0641
NextEra	\$0	\$354,000	\$354,000	7.78%	-	0.0000
* NYPA	\$10,762	\$16,834	\$27,595	0.61%	2,187,312	0.0126
ISO Interchange	\$292,344	\$211,211	\$503,555	11.07%	6,314,773	0.0797
Nema Congestion	-\$74,331	\$0	-\$74,331	-1.63%	-	0.0000
BP Energy	\$411,941	\$0	\$411,941	9.06%	8,783,400	0.0469
* Hydro Projects	\$320,877	\$0	\$320,877	7.06%	3,907,078	0.0821
Braintree Watson Unit	\$61,275	\$116,573	\$177,847	3.91%	199,177	0.8929
* Saddleback/Jericho	\$364,075	\$0	\$364,075	8.01%	2,317,661	0.1571
* One Burlington Solar	\$9,027	\$0	\$9,027	0.20%	128,962	0.0700
Coop Resales	\$1,808	\$0	\$1,808	0.04%	11,454	0.1578
Exelon Energy	\$1,095,040	\$0	\$1,095,040	24.08%	14,310,000	0.0765
Stonybrook Peaking	\$11,762	\$51,675	\$63,437	1.39%	63,623	0.9971
<b>Monthly Total</b>	<b>\$3,056,024</b>	<b>\$1,491,572</b>	<b>\$4,547,597</b>	<b>100.00%</b>	<b>54,713,763</b>	<b>0.0831</b>
<b>* Renewable Resources</b>					<b>15.61%</b>	



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

Table 5 shows the amount of banked and projected RECs for the Swift River Hydro Projects through February 2016, as well as their estimated market value.

<b>Table 5</b>				
<b>RECs Summary</b>				
<b>Period - January 2015 - January 2016</b>				
	<b>Banked RECs</b>	<b>Projected RECs</b>	<b>Total RECs</b>	<b>Est. Dollars</b>
Woronoco	2,350	1,319	3,669	\$157,767
Pepperell	3,977	1,828	5,805	\$249,615
Indian River	2,321	747	3,068	\$131,924
Turners Falls	1188	788	1,976	\$0
Saddleback	2539	7,593	10,132	\$435,676
Jericho	961	783	1744	\$74,992
<b>Sub total</b>	<b>13,336</b>	<b>13,058</b>	<b>26,394</b>	<b>\$1,049,974</b>
RECs Sold			0	\$0
<b>Grand Total</b>	<b>13,336</b>	<b>13,058</b>	<b>26,394</b>	<b>\$1,049,974</b>

Note: Sale of 11,814 RECs pending totaling \$531,668.

## **TRANSMISSION**

The RMLD's total transmission costs for the month of February, 2016 were \$996,019. This is an increase of 14.07% from the January transmission cost of \$873,184. In February, 2015 the transmission costs were \$947,036.

<b>Table 6</b>			
	<b>Current Month</b>	<b>Last Month</b>	<b>Last Year</b>
Peak Demand (kW)	104,312	105,260	108,841
Energy (kWh)	54,713,763	59,693,490	57,903,974
Energy (\$)	\$3,056,024	\$3,163,762	\$3,579,980
Capacity (\$)	\$1,491,572	\$1,642,335	\$1,491,533
Transmission(\$)	\$996,019	\$873,184	\$947,036
Total	\$5,543,616	\$5,679,280	\$6,018,549

Table 7											
Commercial	Year	Capacity Saved (kW)	Energy Saved (kwh)	Total \$		\$/kW	Total		\$/kWh	Total \$	
				Capacity			Energy			Rebate	Cost Benefit
Total to date	FY07-15	25,966	102,495,709	\$ 2,557,553			5,550,957			\$ 1,732,385	\$ 6,376,125
Current	FY16	101	712,163	\$ 13,914		\$11.45	42,730		\$ 0.06	\$ 84,000	\$ (129,898)
<b>Residential</b>											
Total to date	FY07-15	4,513	3,642,362	\$ 787,845			329,349			\$ 718,531	\$ 398,663
Current	FY16	123	49,092	\$ 16,947		\$11.45	2,946		\$ 0.06	\$ 38,825	\$ (110,902)
<b>Total</b>											
Total to date	FY07-15	30,479	106,138,071	\$ 3,020,981			5,740,107			\$ 2,846,612	\$ 5,914,476
Current	FY16	225	761,255	\$ 30,862		\$11.45	45,675		\$ 0.06	\$ 122,825	\$ (294,159)

Table 8																									
Washing Machine		Refrigerator		Dishwasher		Dehumidifier		Central A/C		Window A/C		Thermostat		Audits		Renewable		Air Source Heat Pump		HP Water Heater		Fan			
Year	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars			
2007																									
2008	86	\$ 4,300	47	\$ 2,350	55	\$ 2,750	7	\$ 175	17	\$ 1,700	10	\$ 250	23	\$ 230	107	\$ 14,940									
2009	406	\$ 20,300	259	\$ 12,950	235	\$ 11,750	40	\$ 1,000	41	\$ 4,100	50	\$ 1,250	114	\$ 1,140	107	\$ 14,940									
2010	519	\$ 25,950	371	\$ 18,550	382	\$ 19,100	37	\$ 925	64	\$ 6,400	49	\$ 1,225	127	\$ 1,270	64	\$ 8,960	6	\$ 20,700							
2011	425	\$ 21,250	383	\$ 19,150	313	\$ 15,650	47	\$ 1,175	57	\$ 5,700	65	\$ 1,625	118	\$ 1,180	180	\$ 26,960	4	\$ 18,000							
2012	339	\$ 16,950	354	\$ 17,700	289	\$ 14,450	38	\$ 950	44	\$ 4,400	56	\$ 1,400	105	\$ 1,050	219	\$ 32,731	3	\$ 14,000							
2013	285	\$ 14,250	336	\$ 16,800	311	\$ 15,550	29	\$ 725	24	\$ 2,400	54	\$ 1,350	57	\$ 570	375	\$ 75,000	3	\$ 15,000	19	\$ 1,900	4	\$ 1,000			
2014	322	\$ 16,100	333	\$ 16,650	298	\$ 14,900	27	\$ 675	38	\$ 3,800	76	\$ 1,900	83	\$ 1,245	363	\$ 72,600	4	\$ 17,250	20	\$ 2,000	11	\$ 2,750			
2015	257	\$ 12,850	256	\$ 12,800	261	\$ 13,050	26	\$ 650	27	\$ 2,700	36	\$ 900	41	\$ 615	314	\$ 62,800	7	\$ 19,000	24	\$ 2,400	12	\$ 3,000			
2016	120	\$ 6,000	108	\$ 5,400	159	\$ 7,950	21	\$ 525	22	\$ 2,200	15	\$ 375	33	\$ 495	74	\$ 8,575	0	\$ -	14	\$ 1,400	0	\$ -			
Total	2759	\$ 137,950	2447	\$ 122,350	2303	\$ 115,150	272	\$ 6,800	334	\$ 33,400	411	\$ 10,275	701	\$ 7,795	1803	\$ 317,506	27	\$ 103,950	77	\$ 7,700	36	\$ 9,000			



# Engineering & Operations Report

March 3, 2016, RMLD Board of Commissioners Meeting

January 2016 Reporting Period

Hamid Jaffari, Director of Engineering & Operations



# Capital Improvement Projects

Construction Projects:		% Complete Status	January	YTD
102	Pole Line Upgrade - Lowell Street, Wilmington	82%	\$1,838	\$95,385
104	Upgrade Old Lynnfield Center URDs (Cook's Farm)	80%	\$4,354	\$127,166
105	4W5-4W6 Tie	50%	\$23,262	\$35,611
107	Stepdown Area Upgrades - All Towns	On-going	\$2,069	\$13,540
112	Station 4: Switchgear/Breaker Replacement	100%	\$1,812	\$33,459
212	Force Account - West Street, Reading	99%	\$1,454	\$139,932
New Customer Service Connections:				
	Service Installations - Residential: This item includes new or upgraded overhead and underground services.	On-going	\$6,520	\$76,310
Special Projects/Capital Purchases:				
100	Distributed Generation	5%	\$4,469	\$4,469
103	Distribution Protection and Automation	On-going	\$55,748	\$78,632
117	Meter Purchase (including 500 Club/Mesh Network implementation)	20%	\$27,565	\$69,391
126	Communication Equipment (Fiber Optic)	On-going	\$7,059	\$7,059
131	LED Street Light Conversion	23%	\$61,011	\$317,826

# Routine Construction

	January	YTD
Pole Setting/Transfers	44,241	222,500
Overhead/Underground	30,385	201,464
Projects Assigned as Required	2,137	143,459
Pole Damage/Knockdowns - Some Reimbursable • Work was done to repair or replace three (3) poles.	14,831	29,151
Station Group	0	
Hazmat/Oil Spills		5,727
Porcelain Cutout Replacement Program	270	4,749
Lighting (Street Light Connections)	14,420	23,493
Storm Trouble	132	19,919
Underground Subdivisions (new construction) • Mariano Drive, Reading	1,112	12,688
Animal Guard Installation	57	2,021
Miscellaneous Capital Costs	48,337	214,668
<b>TOTAL:</b>	<b>\$ 155,923</b>	<b>\$ 879,839</b>



# Routine Maintenance

## ► Transformer Replacement (through January 2016)

Pad mount 16.84%      Overhead 11.69%

## ► Pole Inspection (as of 2/26/16)

155 poles have been replaced      78 of 155 transfers have been completed

## ► Visual Inspection of OH Lines (as of 2/26/16)

Inspected circuits 5W8, 5W9, 5W5, 4W10, 5W4, 4W28, 4W5, 4W6, 3W8, 3W18, 4W13, 4W12, 3W15, 4W24, 4W28, 5W4, 3W6, 3W7, 3W14, 3W5

## ► Manhole Inspection

Ongoing.

## ► Porcelain Cutout Replacements (through January 2016)

91% complete      258 remaining to be replaced

## ► Tree Trimming

January: 144 spans trimmed      YTD: 1,699 spans trimmed

## ► Substation Maintenance

Infrared Scanning – January complete - no hot spots found

# Double Poles

Ownership: 16,000 (approximately)

50% RMLD

50% Verizon

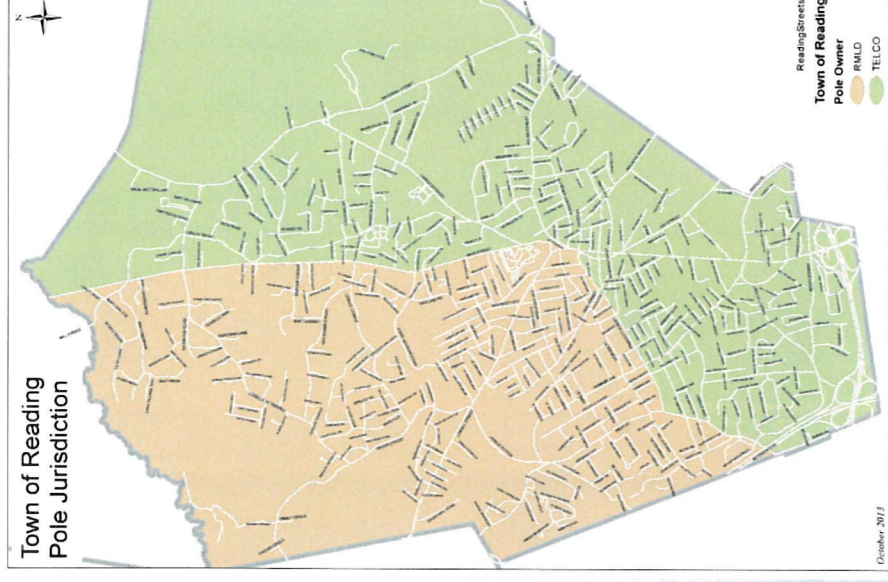
Custodial:

Reading – split (see map)

North Reading – RMLD

Lynnfield – Verizon

Wilmington – Verizon





# NJUNS

"Next to Go" as of February 26, 2016

## READING

NTG Member and JobType	Count of Ticket Number
CMCTNR	7
Comcast	
TRANSFER	7
RDNGFD	8
Reading Fire Department	
TRANSFER	8
RMLD	22
Reading Municipal Light Department	
TRANSFER	19
PULL POLE	3
VZNESA	32
Verizon	
PULL POLE	5
DROPWORK	27
(blank)	
Grand Total	69

## NORTH READING

NTG Member and JobType	Count of Ticket Number
CMCTNR	69
Comcast	
TRANSFER	
NGMA	1
National Grid	
TRANSFER	1
NRDNGFD	39
North Reading Fire Department	
TRANSFER	39
RMLD	54
Reading Municipal Light Department	
TRANSFER	13
PULL POLE	41
VZNEDR	38
Verizon	
PULL POLE	6
DROPWORK	32
(blank)	
Grand Total	201

## LYNNFIELD

NTG Member and JobType	Count of Ticket Number
LFLDFD	2
Lynnfield Fire Department	
TRANSFER	2
RMLD	5
Reading Municipal Light Department	
TRANSFER	5
VZNESA	15
Verizon	
PULL POLE	7
DROPWORK	8
(blank)	
Grand Total	22

## WILMINGTON

NTG Member and JobType	Count of Ticket Number
CMCTNR	61
Comcast	
TRANSFER	61
LTFMA	1
Lightower Fiber Networks	
TRANSFER	1
NGMA	1
National Grid	
TRANSFER	1
NP3PMA	10
Non-participating 3rd Party Attacher - Massachusetts	
TRANSFER	10
RMLD	42
Reading Municipal Light Department	
TRANSFER	39
PULL POLE	3
VZBMA	1
Verizon Business	
TRANSFER	1
VZNEDR	28
Verizon	
PULL POLE	9
DROPWORK	19
WMGNFD	66
Wilmington Fire Department	
TRANSFER	66
(blank)	
Grand Total	210

# Reliability exceeds regional and local indices . . .

**SAIDI 2011-2016**



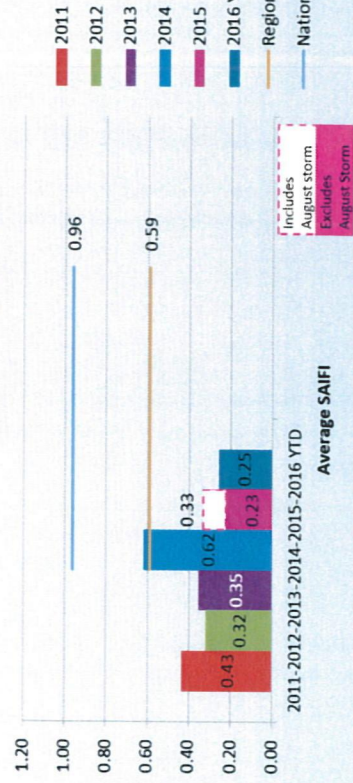
$$SAIDI(\text{Minutes}) = \frac{\text{Total Duration of Customer Interruptions}}{\text{Total Number of Customers Served}}$$

**CAIDI 2011-2016**



$$CAIDI(\text{Minutes}) = \frac{\text{Total Duration of Customer Interruptions}}{\text{Total Number of Customers Interrupted}}$$

**SAIFI 2011-2016**



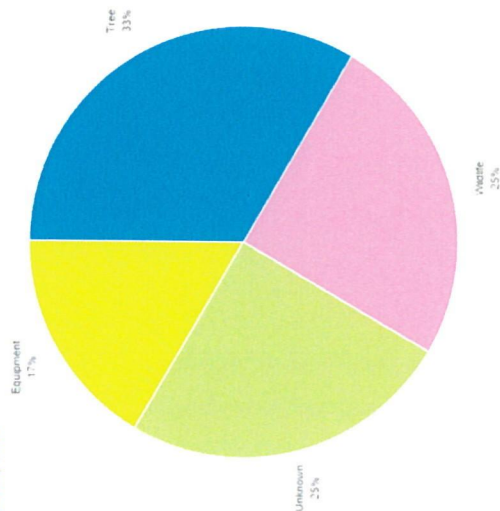
$$SAIFI = \frac{\text{Total Number of Customer Interruptions}}{\text{Total Number of Customers Served}}$$



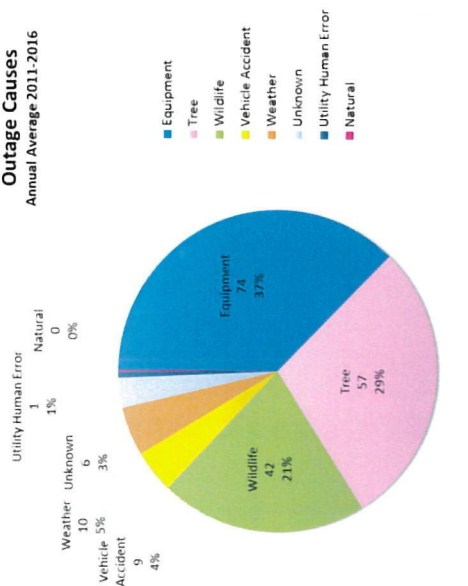
# Outages Causes

Outages Causes Calendar YTD (from eReliability website)

January 2016



Outage Causes  
Annual Average 2011-2016



# Questions ?





READING MUNICIPAL LIGHT DEPARTMENT  
FY 15 CAPITAL BUDGET VARIANCE REPORT  
FOR PERIOD ENDING JANUARY 31, 2016

PROJ	DESCRIPTION	TOWN	ACTUAL COST JAN	YTD ADDITIONS	ANNUAL BUDGET	REMAINING BALANCE
<b>CONSTRUCTION:</b>						
101	5W9 Reconductoring - Ballardvale Area	W			100,000	100,000
102	Pole Line Upgrade - Lowell Street, W	W	1,838	95,386	113,000	17,614
104	Upgrade Old Lynnfield Center URDs (Cook's Farm)	LC	4,354	127,166	42,000	(85,166)
105	4W5-4W6 Tie	R	23,262	35,611	-	(35,611)
106	URD Upgrades	ALL		4,669	340,000	335,331
107	Step-down Area Upgrades	ALL	2,069	13,539	352,000	338,461
110	Pole Line Upgrade - Woburn Street, W	W			91,000	91,000
212	Force Account West Street	R	1,454	139,932	150,000	10,068
	<b>SUB-TOTAL</b>		<b>32,978</b>	<b>416,303</b>	<b>1,188,000</b>	<b>771,697</b>
<b>STATION UPGRADES:</b>						
96	Station 4 (GAW) Back-up Generator	R	30,235	30,235	107,000	76,765
108	Station 4 (GAW) Relay Replacement Project	R			73,000	73,000
109	Station 4 (GAW) Transformer Replacement	R			41,000	41,000
111	Station Equipment Upgrade (all)	ALL			254,000	254,000
112	Station 4 (GAW) Switchgear/Breaker Replacement	R	1,812	33,459	508,000	474,541
113	Station 4 (GAW) Battery Bank Upgrade	R			57,000	57,000
130	Station 3 - Remote Terminal Unit (RTU) Replacement	NR			94,000	94,000
	<b>SUB-TOTAL</b>		<b>32,047</b>	<b>63,694</b>	<b>1,134,000</b>	<b>1,070,306</b>
<b>NEW CUSTOMER SERVICES:</b>						
	New Service Installations (Commercial / Industrial)	ALL			34,000	34,000
	New Service Installations (Residential)	ALL	6,520	76,310	164,000	87,690
	<b>SUB-TOTAL</b>		<b>6,520</b>	<b>76,310</b>	<b>198,000</b>	<b>121,690</b>
<b>ROUTINE CONSTRUCTION:</b>						
114	Routine Construction	ALL	155,923	879,839	1,000,000	120,161
<b>SPECIAL PROJECTS / CAPITAL PURCHASES:</b>						
100	Distributed Generation	ALL	4,469	4,469	2,164,000	2,159,531
103	Distribution Protection and Automation	ALL	55,748	78,632	70,000	(8,632)
114	Fiber Optic Test Equipment	ALL			15,000	15,000
115	Fault Indicators	ALL			50,000	50,000
116	Transformers and Capacitors	ALL		193,824	668,000	474,176
117	Meter Purchases (including "500 Club")	ALL	27,565	69,391	219,000	149,609
122	Engineering Analysis Software and Data Conversion	ALL		73,250	73,000	(250)
125	GIS	ALL			420,000	420,000
126	Communication Equipment (Fiber Optic)	ALL	7,059	7,059	98,000	90,941
131	LED Street Light Implementation	ALL	61,011	317,826	1,200,000	882,174
134	Substation Test Equipment	ALL		51,540	100,000	48,460
	<b>SUB-TOTAL</b>		<b>155,853</b>	<b>795,991</b>	<b>5,077,000</b>	<b>4,281,009</b>
<b>OTHER CAPITAL PROJECTS:</b>						
95	230 Ash St Building	R			80,000	80,000
97	HVAC Roof Units - Garage	R			50,000	50,000
98	IRD hardware	ALL			10,000	10,000
99	Electric Vehicle Supply Equipment	ALL			50,000	50,000
118	Rolling Stock Replacement	ALL		6,150	448,000	441,850
119	Security Upgrades All Sites	ALL			50,000	50,000
120	Great Plains / Cogsdale Upgrade	ALL	8,589	29,090	127,000	97,910
121	HVAC System Upgrade - 230 Ash Street	R	4,690	425,441	600,000	174,559
123	OI Containment Facility Construction	ALL	2,440	25,726	59,000	33,274
127	Hardware Upgrades	ALL	5,567	40,341	152,000	111,659
128	Software and Licensing	ALL		39,026	172,000	132,974
129	Master Facilities Site Plan	R			150,000	150,000
136	Voltage Data Recorders	ALL			50,000	50,000
	<b>SUB-TOTAL</b>		<b>21,286</b>	<b>565,774</b>	<b>1,998,000</b>	<b>1,432,226</b>

TOTAL CAPITAL BUDGET

\$ 404,607 \$ 2,797,911 \$ 10,595,000 \$ 7,797,089



# Engineering & Operations Report

March 31, 2016, RMLD Board of Commissioners Meeting

February 2016 Reporting Period

Hamid Jaffari, Director of Engineering & Operations



# Capital Improvement Projects

Construction Projects:		% Complete Status	February	YTD
102	Pole Line Upgrade - Lowell Street, Wilmington	82%	\$1,724	\$97,109
104	Upgrade Old Lynnfield Center URDs (Cook's Farm)	80%	\$113,073	\$240,239
105	4W5-4W6 Tie	80%	\$22,384	\$57,996
107	Stepdown Area Upgrades - All Towns	On-going	\$593	\$14,133
112	Station 4: Switchgear/Breaker Replacement	100%	\$549,950	\$583,409
	Service Installations - Residential: This item includes new or upgraded overhead and underground services.	On-going	\$14,028	\$90,338
096	Station 4 Back-up Generator	100%	\$9,808	\$40,043
100	Distributed Generation	5%	\$9,662	\$14,131
103	Distribution Protection and Automation	On-going	\$1,940	\$80,571
111	Substation Equipment Upgrade	On-going	\$1,860	\$1,860
117	Meter Purchase (including 500 Club/Mesh Network implementation)	60%	\$18,492	\$87,883
125	GIS	7%	\$5,190	\$5,190
131	LED Street Light Conversion	25%	\$37,152	\$354,977



# Routine Construction

	February	YTD
Pole Setting/Transfers	22,805	245,305
Overhead/Underground	32,094	233,558
Projects Assigned as Required <ul style="list-style-type: none"> <li>• Industrial Way, Wilmington</li> <li>• AT&amp;T Third Party Attachment</li> </ul>	7,570	151,029
Pole Damage/Knockdowns - Some Reimbursable <ul style="list-style-type: none"> <li>• Work was done to repair or replace three (3) poles.</li> </ul>	1,033	30,184
Station Group	-	-
Hazmat/Oil Spills	-	5,727
Porcelain Cutout Replacement Program	-	4,749
Lighting (Street Light Connections)	490	23,983
Storm Trouble	15,718	35,637
Underground Subdivisions (new construction) <ul style="list-style-type: none"> <li>• Parsons Avenue, Lynfield</li> <li>• Murray Hill, Wilmington</li> </ul>	6,547	19,235
Animal Guard Installation	789	2,810
Miscellaneous Capital Costs	107,666	322,334
<b>TOTAL:</b>	<b>\$ 194,712</b>	<b>\$ 1,074,551</b>

# Routine Maintenance

## ► Transformer Replacement (through February 2016)

Pad mount 16.84%      Overhead 11.89%

## ► Pole Inspection (as of 3/22/16)

157 poles have been replaced      79 of 157 transfers have been completed

## ► Visual Inspection of OH Lines (as of 2/26/16)

Inspected circuits 5W8, 5W9, 5W5, 4W10, 5W4, 4W28, 4W5, 4W6, 3W8, 3W18, 4W13, 4W12, 3W15, 4W24, 4W28, 5W4, 3W6, 3W7, 3W14, 3W5

## ► Manhole Inspection

Ongoing.

## ► Porcelain Cutout Replacements (through February 2016)

91% complete      257 remaining to be replaced

## ► Tree Trimming

February: 147 spans trimmed      YTD: 1,846 spans trimmed

## ► Substation Maintenance

Infrared Scanning – February complete - no hot spots found



# Double Poles

- Ownership: 16,000 (approximately)
  - 50% RMLD
  - 50% Verizon

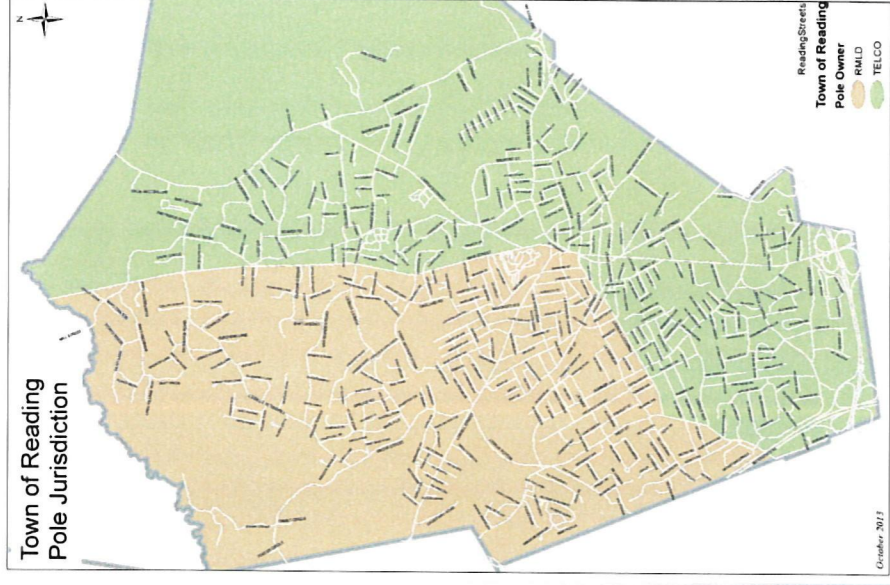
- Custodial:

Reading – split (see map)

North Reading – RMLD

Lynnfield – Verizon

Wilmington – Verizon





# NJUNS

"Next to Go" as of March 22, 2016

LYNNFIELD		Count of
NTG Member and JobType	Ticket Number	
LFLEDFD	3	
Lynnfield Fire Department		
TRANSFER	3	
RMLD	4	
Reading Municipal Light Department		
TRANSFER	4	
VZNESA	15	
Verizon		
PULL POLE	7	
DROP WORK	8	
(blank)		
Grand Total	22	

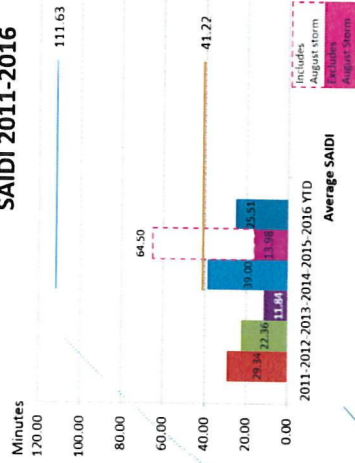
NORTH READING		Count of Ticket
NTG Member and JobType	Number	
CMCTNR	69	
Comcast		
TRANSFER	69	
NGMA	1	
National Grid		
TRANSFER	1	
NRDGF	38	
North Reading Fire Department		
TRANSFER	38	
RMLD	52	
Reading Municipal Light Department		
TRANSFER	13	
PULL POLE	39	
VZNEDR	36	
Verizon		
PULL POLE	6	
DROP WORK	30	
(blank)		
Grand Total	196	

READING		Count of Ticket
NTG Member and JobType	Number	
CMCTNR	22	
Comcast		
TRANSFER	22	
NP3PMA	3	
Non-participating 3rd Party Attacher		
TRANSFER	3	
RDNGFD	6	
Reading Fire Department		
TRANSFER	6	
RMLD	27	
Reading Municipal Light Department		
TRANSFER	25	
PULL POLE	2	
VZNESA	37	
Verizon		
PULL POLE	10	
DROP WORK	27	
(blank)		
Grand Total	95	

WILMINGTON		Count of Ticket
NTG Member and JobType	Number	
CMCTNR	19	
Comcast		
TRANSFER	19	
NGMA	1	
National Grid		
TRANSFER	1	
NP3PMA	10	
Non-participating 3rd Party Attacher		
TRANSFER	10	
RMLD	45	
Reading Municipal Light Department		
TRANSFER	41	
PULL POLE	4	
VZBMA	1	
Verizon Business		
TRANSFER	1	
VZNEDR	69	
Verizon		
PULL POLE	24	
DROP WORK	45	
WMGNFD	66	
Wilmington Fire Department		
TRANSFER	66	
(blank)		
Grand Total	211	

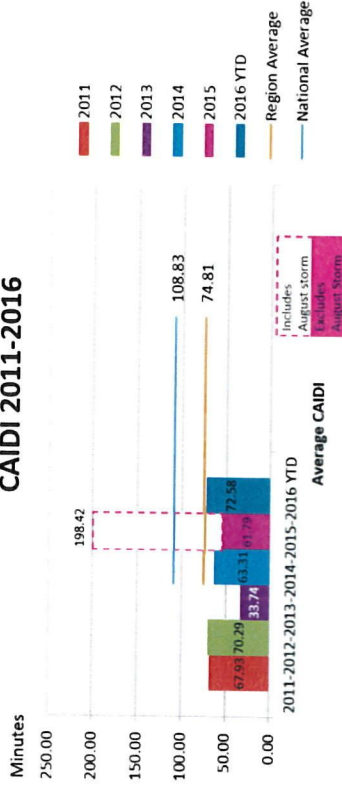
# Reliability exceeds regional and local indices . . .

SAIDI 2011-2016



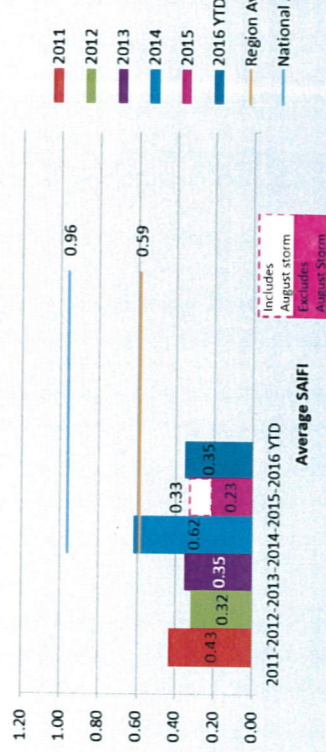
$$SAIDI \text{ (Minutes)} = \frac{\text{Total Duration of Customer Interruptions}}{\text{Total Number of Customers Served}}$$

CAIDI 2011-2016



$$CAIDI \text{ (Minutes)} = \frac{\text{Total Duration of Customer Interruptions}}{\text{Total Number of Customers Interruptions}}$$

SAIFI 2011-2016

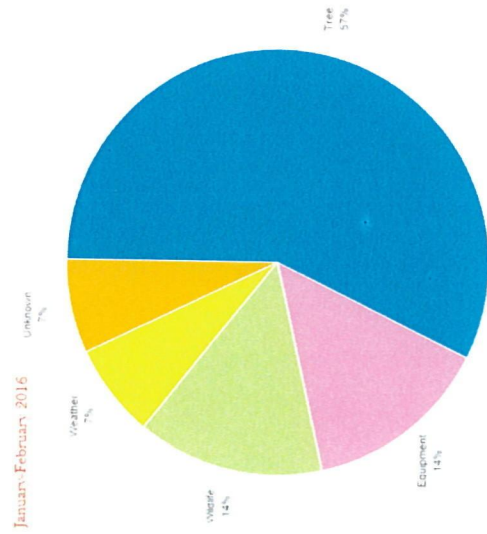


$$SAIFI = \frac{\text{Total Number of Customer Interruptions}}{\text{Total Number of Customers Served}}$$

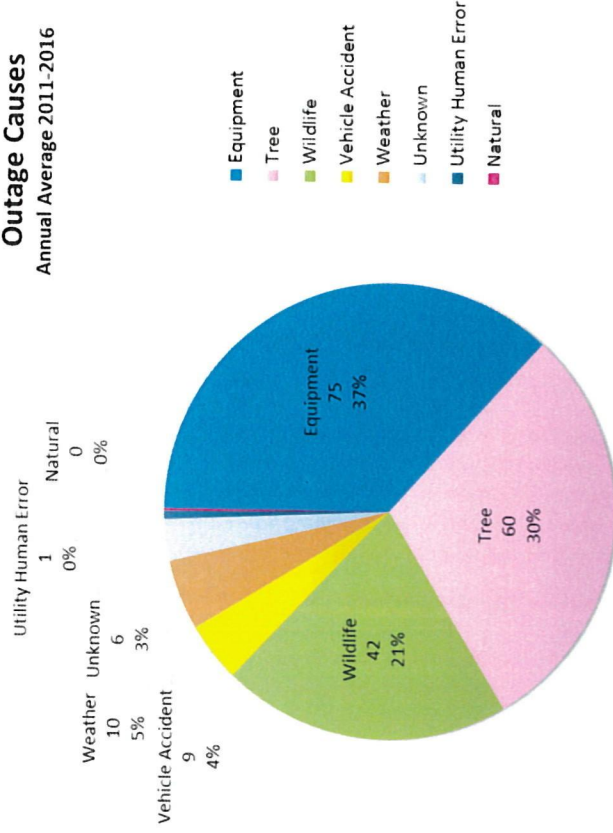


# Outages Causes

Outages Causes Calendar YTD (from eReliability website)



Outage Causes  
Annual Average 2011-2016





# Questions ?



READING MUNICIPAL LIGHT DEPARTMENT  
FY 15 CAPITAL BUDGET VARIANCE REPORT  
FOR PERIOD ENDING FEBRUARY 29, 2016

PROJ	DESCRIPTION	TOWN	ACTUAL COST FEB	YTD ADDITIONS	ANNUAL BUDGET	REMAINING BALANCE
<b>CONSTRUCTION:</b>						
101	5W9 Reconductoring - Ballardvale Area	W			100,000	100,000
102	Pole Line Upgrade - Lowell Street, W	W	1,724	97,110	113,000	15,890
104	Upgrade Old Lynnfield Center URDs (Cook's Farm)	LC	113,073	240,239	42,000	(198,239)
105	4W5-4W6 Tie	R	22,384	57,995	-	(57,995)
106	URD Upgrades	ALL		4,669	340,000	335,331
107	Step-down Area Upgrades	ALL	593	14,132	352,000	337,868
110	Pole Line Upgrade - Woburn Street, W	W			91,000	91,000
212	Force Account West Street	R		139,932	150,000	10,068
	<b>SUB-TOTAL</b>		<b>137,774</b>	<b>554,077</b>	<b>1,188,000</b>	<b>633,923</b>
<b>STATION UPGRADES:</b>						
96	Station 4 (GAW) Back-up Generator	R	9,808	40,043	107,000	66,957
108	Station 4 (GAW) Relay Replacement Project	R			73,000	73,000
109	Station 4 (GAW) Transformer Replacement	R			41,000	41,000
111	Station Equipment Upgrade (all)	ALL	1,860	1,860	254,000	252,140
112	Station 4 (GAW) Switchgear/Breaker Replacement	R	549,950	583,409	508,000	(75,409)
113	Station 4 (GAW) Battery Bank Upgrade	R			57,000	57,000
130	Station 3 - Remote Terminal Unit (RTU) Replacement	NR			94,000	94,000
	<b>SUB-TOTAL</b>		<b>561,618</b>	<b>625,312</b>	<b>1,134,000</b>	<b>508,688</b>
<b>NEW CUSTOMER SERVICES:</b>						
	New Service Installations (Commercial / Industrial)	ALL			34,000	34,000
	New Service Installations (Residential)	ALL	14,028	90,338	164,000	73,662
	<b>SUB-TOTAL</b>		<b>14,028</b>	<b>90,338</b>	<b>198,000</b>	<b>107,662</b>
<b>ROUTINE CONSTRUCTION:</b>						
114	Routine Construction	ALL	194,712	1,074,551	1,000,000	(74,551)
<b>SPECIAL PROJECTS / CAPITAL PURCHASES:</b>						
100	Distributed Generation	ALL	9,662	14,131	2,164,000	2,149,869
103	Distribution Protection and Automation	ALL	1,940	80,572	70,000	(10,572)
114	Fiber Optic Test Equipment	ALL			15,000	15,000
115	Fault Indicators	ALL			50,000	50,000
116	Transformers and Capacitors	ALL		193,824	668,000	474,176
117	Meter Purchases (including "500 Club")	ALL	18,492	87,883	219,000	131,117
122	Engineering Analysis Software and Data Conversion	ALL		73,250	73,000	(250)
125	GIS	ALL	5,190	5,190	420,000	414,810
126	Communication Equipment (Fiber Optic)	ALL		7,059	98,000	90,941
131	LED Street Light Implementation	ALL	37,152	354,978	1,200,000	845,022
134	Substation Test Equipment	ALL		51,540	100,000	48,460
	<b>SUB-TOTAL</b>		<b>72,435</b>	<b>868,427</b>	<b>5,077,000</b>	<b>4,208,573</b>
<b>OTHER CAPITAL PROJECTS:</b>						
95	230 Ash St Building	R			80,000	80,000
97	HVAC Roof Units - Garage	R			50,000	50,000
98	IRD hardware	ALL			10,000	10,000
99	Electric Vehicle Supply Equipment	ALL			50,000	50,000
118	Rolling Stock Replacement	ALL		6,150	448,000	441,850
119	Security Upgrades All Sites	ALL	10,514	10,515	50,000	39,486
120	Great Plains / Cogsdale Upgrade	ALL		29,090	127,000	97,910
121	HVAC System Upgrade - 230 Ash Street	R	77,474	502,915	600,000	97,085
123	Oil Containment Facility Construction	ALL	20,211	45,937	59,000	13,063
127	Hardware Upgrades	ALL	14,289	54,630	152,000	97,370
128	Software and Licensing	ALL	8,392	47,418	172,000	124,583
129	Master Facilities Site Plan	R			150,000	150,000
136	Voltage Data Recorders	ALL			50,000	50,000
	<b>SUB-TOTAL</b>		<b>130,880</b>	<b>696,654</b>	<b>1,998,000</b>	<b>1,301,346</b>

TOTAL CAPITAL BUDGET

**\$ 1,111,448    \$ 3,909,359    \$ 10,595,000    \$ 6,685,641**



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.rmld.com](http://www.rmld.com)

February 24, 2016

Town of Reading Municipal Light Board

Subject: Electric Forklift with Battery Charger and Trade-In

On January 27, 2016 a bid invitation was placed as a legal notice in the Reading Chronicle, Middlesex East requesting proposals for one Electric Forklift with Battery Charger and Trade-In for the Reading Municipal Light Department.

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

Crown Lift Trucks	Chery Forklift NY Inc.	Lift Truck Parts & Service
Northland Industrial Truck Company, Inc.	Starlift Equipment Co.	W. D. Matthews Machinery Co.

Bids were received from three companies: Crown Lift Trucks, Lift Truck Parts & Service and Northland Industrial Truck Company, Inc.

The bids were publicly opened and read aloud at 11:00 a.m. on February 11, 2016 in the Town of Reading Municipal Light Department's General Manager's Conference Room, 230 Ash Street, Reading, Massachusetts.

The bids were reviewed, analyzed and evaluated by staff and recommended by the General Manager. Move that bid 2016-16 for one: Electric Forklift with Battery Charger and Trade-In be awarded to: **Lift Truck Parts & Service** for \$30,477.02 as the lowest qualified and responsive bidder on the recommendation of the General Manager.

The FY2016 Capital Budget amount for this item is \$35,000.00.

Coleen O'Brien

Hamid Jaffari

Paul McGonagle



Electric Forklift with Battery Charger and Trade-In

Bid 2016-16

<u>Bidder</u>	<u>Forklift Purchase Price Less Trade</u>	<u>Trade-In Value</u>	<u>Forklift Cost Before Trade</u>	<u>**Other Charges</u>	<u>Delivery Date ARO</u>	<u>Responsive Bidder</u>	<u>Exceptions</u>
Crown	\$31,469.62	\$500.00	\$30,944.62	\$1,025.00	13-15 weeks	Yes	Yes <sup>1</sup>
Lift Truck Parts & Service	\$30,477.02	\$3,000.00	\$33,477.02	\$0.00	6-8 weeks	Yes	Yes <sup>2</sup>
Northland Industrial Truck	\$29,720.00	\$2,800.00	\$32,520.00	\$0.00	12 weeks	Yes	Yes <sup>3</sup>

<sup>1</sup> **Exceptions (11):** 2.1 Maximum Lift Height, Full Capacity: 208" the offering was 206". 2.2 Total mast height: (Lowered) < 84" the offering was 89". 2.3 Freelifft Height: 55-60" the offering was 38.2". 2.6 Width of Carriage: ≤ 38". 2.7 Overhead Guard Height: ≤ 84" the offering was 86". 2.8 Overall Length: (To Fork Face) < 77" the offering was 87.1". 2.9 Overall Width: (Width Over Frame) ≤ 41". 2.10 Turning Radius: < 64" the offering was 78". 5.0 Tires and Brakes: Traction Control the offering was no. 5.1 Tire Size (Inches): Front: 18 x 9 x 12.12 the offering was 21 x 8 x 15, Rear: 18 x6 x12.12 the offer was 16 x 6 x 10.5. 6.1 Battery Weight Min: ≤ 2,590 lbs. the offering was 2,630. 9.2 Training & Instruction: included in cost the offering was additional cost. **Warranty:** 1 year / 2,000 hours on basic truck: 2 years / 4,000 hours on Major Components. **Extended Warranty:** 12 full months coverage plus additional 48 months major component coverage up to 10,000 hours. **Battery Warranty:** 5 years. **Battery Charger Warranty:** 5 years parts, 1 year parts & labor 10 year transformer & power semi-conductors. **\*\*Other Charges:** Freight to deliver Forklift Package.

<sup>2</sup> **Exceptions (1):** 2.2 Total mast height: (Lowered) ≤ 84" the offering was 95.5" in order to achieve asking lift height of 208" and above. **Warranty:** 1 year / 2,000 hours on basic truck: 2 years / 4,000 hours on Major Components. **Extended Warranty:** 12 full months coverage plus additional 48 months major component coverage up to 10,000 hours. **Battery Warranty:** 5 years. **Battery Charger Warranty:** 5 years, 7 years transformer.

<sup>3</sup> **Exceptions (4):** 1.7 Wheels, Front/Rear: 2x / 1 the offering was 2x / 2. 2.8 Overall Length: (To Fork Face) ≤ 77" the offering was 78.9". 2.10 Turning Radius: ≤ 64" the offering was 69". 5.1 Tire Size (Inches): Rear: 18 x6 x12.12 the offer was 16" x 5". **Warranty:** 1 year / 2,000 hours on basic truck: 2 years / 4,000 hours on Major Components. **Battery Warranty:** 5 years. **Battery Charger Warranty:** No information.

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

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

March 11, 2016

Town of Reading Municipal Light Board

Subject: Substation Control Devices

On February 24, 2015 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle requesting proposals for Substation Control Devices for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

WESCO	Graybar Electric Company	Stuart C. Irby
Siemens Industry, Inc	Gridstor Energy Corp.	

Bids were received from WESCO and Stuart C Irby.

The bids were publicly opened and read aloud at 11:00 a.m. March 10, 2016 in the Town of Reading Municipal Light Department's Board Room, 230 Ash Street, Reading, Massachusetts.

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

Move that bid 2016-25 for Substation Control Devices be awarded to:

**WESCO for a total cost of \$44,544.00**

<u>Item (desc.)</u>	<u>Qty</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
Item 1 Electroschwitch Cat# 8846FB	15	\$1,368.00	\$20,520.00
Item 2 ABB Style# C774B430G24X08	14	\$192.00	\$2,688.00
Item 3 Leadtronics LED lamp Cat# UTL 1835-1CW for white light indication	59	\$50.00	\$2,950.00
Item 5 ABB Style# C129A514G01X08	14	\$192.00	\$2,688.00
Item 6 Electroschwitch Cat# 9203DD	14	\$735.00	\$10,290.00
Item 7 Electroschwitch Cat# 2424E	1	\$144.00	\$144.00
Item 8 ABB Style# C129A539G01X08	28	\$188.00	\$5,264.00

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



Stuart C Irby for a total cost of \$114.10

<u>Item (desc.)</u>	<u>Qty</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
Item 4 Allied Cat# 273-0514 or equivalent	14	\$8.15	\$114.10

The total for all of these items is \$44,658.10.

The FY16 Capital Budget allocation for the purchase of these units under the Relay Replacement project was estimated at \$50,000.

Coleen O'Brien

Hamid Jaffari

Nick D'Alleva



Substation Control Devices  
Bid 2016-25

Bidder	Delivery	Unit Cost	Qty	Total Net Cost	Award Totals	Meet Specification requirement	Firm Price	All forms filled out	Certified Check or Bid Bond	Exceptions to stated bid requirements	Authorized signature
<b>WESCO</b>											
Item 1 Electros witch Cat# 8846FB	6-8 Weeks ARO	1,368.00	15	20,520.00	20,520.00	yes	yes	yes	yes	no	yes
Item 2 ABB Style# C774B430G24X08	2-4 Weeks ARO	192.00	14	2,688.00	2,688.00						
Item 3 Leadtronics LED lamp Cat# UTL 1835-1CW for white light indication	2-4 Weeks ARO	50.00	59	2,950.00	2,950.00						
Item 4 Allied Cat# 273-0514 or equivalent	no quote	0.00	14	0.00							
Item 5 ABB Style# C129A514G01X08	2-4 Weeks ARO	192.00	14	2,688.00	2,688.00						
Item 6 Electros witch Cat# 9203DD	6-8 Weeks ARO	735.00	14	10,290.00	10,290.00						
Item 7 Electros witch Cat# 2424E	4-6 Weeks	144.00	1	144.00	144.00						
Item 8 ABB Style# C129A539G01X08	2-4 Weeks ARO	188.00	28	5,264.00	5,264.00						
					<u>\$ 44,544.00</u>						
<b>Stuart C Irby</b>											
Item 1 Electros witch Cat# 8846FB	8-10 Weeks ARO	1,390.00	15	20,850.00		yes	yes	yes	yes	no	yes
Item 2 ABB Style# C774B430G24X08	2 Weeks ARO	250.00	14	3,500.00							
Item 3 Leadtronics LED lamp Cat# UTL 1835-1CW for white light indication	2-14 Weeks ARO	67.00	59	3,953.00							
Item 4 Allied Cat# 273-0514 or equivalent	1 Week ARO	8.15	14	114.10	114.10						
Item 5 ABB Style# C129A514G01X08	2 Weeks ARO	250.00	14	3,500.00							
Item 6 Electros witch Cat# 9203DD	8-10 Weeks ARO	801.55	14	11,221.70							
Item 7 Electros witch Cat# 2424E	4 Weeks ARO	157.50	1	157.50							
Item 8 ABB Style# C129A539G01X08	2 Weeks ARO	245.00	28	6,860.00							
					<u>\$ 114.10</u>						

Exception: Item #2 - Taking exception to the "white" lamp, offering "clear".

## Jeanne Foti

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**From:** Coleen O'Brien  
**Sent:** Thursday, March 03, 2016 9:33 AM  
**To:** RMLD Board Members Group  
**Cc:** Jeanne Foti  
**Subject:** Account Payable Warrant Question  
  
**Categories:** Blue Category

Dave:

- AT&T – Is the memo reporting that charges have been reduced to \$20/month from \$1,000+/month a result of my inquiry last year?

The RMLD had been in the process of researching its telephone billings prior to your inquiry, although the resultant reduction does speak to your concern. The RMLD is now on the Commonwealth of Massachusetts (COMA) state contract, resulting in the lower charges.

*Coleen M. O'Brien*  
General Manager  
Reading Municipal Light Department  
230 Ash Street  
Reading, MA 01867

## Jeanne Foti

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**From:** Jeanne Foti  
**Sent:** Tuesday, March 22, 2016 2:38 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**

February 5, February 12, February 19, February 26, March 4, March 11 and March 18.

### **Payroll – No Questions**

January 25, February 8, February 22, March 7 and March 21.

This e-mail will be printed for the Board Packet for the RMLD Board meeting on March 31, 2016.

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

February-16

	RESIDENTIAL 750 kWh's	RESIDENTIAL-TOU 1500 kWh's 7/25 Split	RES. HOT WATER 1000 kWh's	COMMERCIAL 7,300 kWh's 25,000 kW Demand	SMALL COMMERCIAL 1,080 kWh's 10,000 kW Demand	SCHOOL RATE 35000 kWh's 130.5 kW Demand	INDUSTRIAL - TOU 109,500 kWh's 250,000 kW Demand 80/20 Split
READING MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$106.89	\$185.17	\$130.74	\$961.66	\$186.22	\$4,511.83	\$731,925.61
PER KWH CHARGE	\$0.14252	\$0.12345	\$0.13074	\$0.13173	\$0.17243	\$0.12891	\$0.10639
NATIONAL GRID							
TOTAL BILL	\$163.54	\$334.80	\$218.04	\$1,587.93	\$229.55	\$6,642.12	\$1,134,249.33
PER KWH CHARGE	\$0.21805	\$0.22320	\$0.21804	\$0.21753	\$0.21255	\$0.18977	\$0.16487
% DIFFERENCE	52.99%	80.80%	66.77%	65.12%	23.27%	47.22%	54.97%
EVERSOURCE(NSTAR)							
TOTAL BILL	\$160.77	\$287.29	\$212.21	\$1,266.20	\$206.17	\$6,412.89	\$1,126,739.42
PER KWH CHARGE	\$0.21435	\$0.19153	\$0.21221	\$0.17345	\$0.19090	\$0.18323	\$0.16378
% DIFFERENCE	50.40%	55.15%	62.32%	31.67%	10.71%	42.13%	53.94%
PEABODY MUNICIPAL LIGHT PLANT							
TOTAL BILL	\$92.49	\$178.52	\$121.11	\$980.49	\$155.24	\$4,844.33	\$664,841.72
PER KWH CHARGE	\$0.12332	\$0.11901	\$0.12111	\$0.13431	\$0.14374	\$0.13841	\$0.09664
% DIFFERENCE	-13.48%	-3.59%	-7.36%	1.96%	-16.64%	7.37%	-9.17%
MIDDLETON MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$99.77	\$198.39	\$132.64	\$959.51	\$168.44	\$4,762.93	\$807,171.40
PER KWH CHARGE	\$0.13303	\$0.13226	\$0.13264	\$0.13144	\$0.15596	\$0.13608	\$0.11733
% DIFFERENCE	-6.66%	7.14%	1.46%	-0.22%	-9.55%	5.57%	10.28%
WAKEFIELD MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$128.61	\$239.67	\$161.88	\$1,221.04	\$194.38	\$5,735.58	\$973,158.30
PER KWH CHARGE	\$0.17148	\$0.15978	\$0.16188	\$0.16727	\$0.17999	\$0.16387	\$0.14146
% DIFFERENCE	20.32%	29.43%	23.82%	26.97%	4.38%	27.12%	32.96%

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

March-16

	RESIDENTIAL 750 kWh's	RESIDENTIAL-TOU 1500 kWh's 75/25 Split	RES. HOT WATER 1000 kWh's	COMMERCIAL 7,300 kWh's 25,000 kW Demand	SMALL COMMERCIAL 1,080 kWh's 10,000 kW Demand	SCHOOL RATE 3500 kWh's 130.5 kW Demand	INDUSTRIAL - TOU 109,500 kWh's 250,000 kW Demand 80/20 Split
READING MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$113.41	\$198.21	\$139.43	\$1,026.92	\$195.87	\$4,824.73	\$793,429.23
PER KWH CHARGE	\$0.15121	\$0.13214	\$0.13943	\$0.14067	\$0.18137	\$0.13785	\$0.11533
NATIONAL GRID							
TOTAL BILL	\$163.54	\$334.80	\$218.04	\$1,594.02	\$230.49	\$5,319.47	\$876,869.05
PER KWH CHARGE	\$0.21805	\$0.22320	\$0.21804	\$0.21836	\$0.21342	\$0.15198	\$0.12746
% DIFFERENCE	44.20%	68.91%	56.38%	55.22%	17.67%	10.25%	10.52%
EVERSOURCE(NSTAR)							
TOTAL BILL	\$160.77	\$287.29	\$212.21	\$1,266.20	\$206.17	\$6,412.89	\$1,126,739.42
PER KWH CHARGE	\$0.21435	\$0.19153	\$0.21221	\$0.17345	\$0.19090	\$0.18323	\$0.16378
% DIFFERENCE	41.75%	44.95%	52.20%	23.30%	5.26%	32.92%	42.01%
PEABODY MUNICIPAL LIGHT PLANT							
TOTAL BILL	\$92.49	\$178.52	\$121.11	\$980.49	\$155.24	\$4,844.33	\$664,841.72
PER KWH CHARGE	\$0.12332	\$0.11901	\$0.12111	\$0.13431	\$0.14374	\$0.13841	\$0.09664
% DIFFERENCE	-18.45%	-9.93%	-13.14%	-4.52%	-20.75%	0.41%	-16.21%
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	-12.03%	0.09%	-4.87%	-6.56%	-14.01%	-1.28%	1.73%
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	11.75%	19.03%	14.31%	17.13%	-2.14%	17.07%	20.48%