

Reading Municipal Light Board of Commissioners
Regular Session
230 Ash Street
Reading, MA 01867
July 30, 2015

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

Commissioners:

Thomas O'Rourke, Chairman

Philip Pacino, Commissioner

Dave Hennessy, Commissioner – Absent

David Talbot, Vice Chair – Absent

John Stempeck, Commissioner – Secretary Pro Tem

Staff:

Coleen O'Brien, General Manager

Jeanne Foti, Executive Assistant

Robert Fournier, Accounting/Business Manager

Hamid Jaffari, Director of Engineering & Operations

Jane Parenteau, Director of Integrated Resources

Citizens' Advisory Board (CAB):

There was no Citizens' Advisory Board representation this meeting.

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.

Public Comment

There was no public comment.

Commissioner Stempeck will be the Secretary this evening.

Report of the Chairman – Report on Massachusetts Municipal Light Plants (MLPs): “The Telecom Opportunity Today”

Wednesday, July 8, 2015, The Berkman Center for Internet & Society at Harvard University

Chairman O'Rourke provided an update on the conference that a number of the commission members attended on July 8 on The Telecom Opportunity Today held at The Berkman Center for Internet & Society at Harvard University. Chairman O'Rourke stated that at this event, one of the major items presented was Holyoke's MLP as a Telecom Division that was successfully adding competition to the business sector. They helped attract a \$90 million computing center and savings to the municipality of more than \$300,000 by dividing network services to the City of Holyoke. This was done without issuing debt, raising taxes or affecting electricity ratepayers. Chairman O'Rourke explained that as a Board, they have already recommended this topic be studied within the RMLD territory. The RMLD and the Town has fiber loops up and running and we already lease some of the fiber. However, there are still spare capacity hence the opportunity to be considered. The Board has seen that MLP Telecom Operation could provide revenue and also create economic development. However, the Board understands that moving forward the town governments and RMLD leaderships need to be actively engaged to identify the opportunities. In summary, Chairman O'Rourke suggested that we could make this process part of our strategic focus during the upcoming meetings of the Commissioners. Some of the information he will be reporting on this evening is courtesy of Commissioner Talbot, who is absent tonight as well as Commissioner Hennessey. Commissioner Talbot will follow up with this subject at the meeting in Littleton at NEPPA headquarters on September 29, 2015. The expectation is that there will be an MLP roadmap on how opportunities can be pursued for their communities.

Mr. Stempeck stated that he attended this all day symposium and thought it was a good session. It provided good visibility into what other Municipal Light Plants in Massachusetts are doing. It was quite eye opening in terms of what they are doing because most of the municipals are pursuing business customers. The RMLD perhaps is a step ahead because it has been pursuing business customers for years. It is encumbered on us to make sure that fair market price for the services RMLD offers to expand it from an economic development perspective for all member towns.

Chairman O'Rourke stated that Mr. Stempeck's point is a good one. In addition to the Town of Reading, we would certainly want to include the other towns serviced by RMLD in the discussions. Chairman O'Rourke noted that one of the considerations is that there is opportunity here.

**Report of the Chairman – Report on Massachusetts Municipal Light Plants (MLPs): “The Telecom Opportunity Today”
Wednesday, July 8, 2015, The Berkman Center for Internet & Society at Harvard University**

Chairman O'Rourke stated that he also wanted to make sure the time and resources are managed because we have learned in the recent months there are many projects slated as a result of the Reliability Study and Organizational Study requiring resources, funding and above all, attention by the operation's staff. Chairman O'Rourke said that we want to be appropriately involved, but cautious that more time and resources are expended than necessary. Chairman O'Rourke said that we can report on this in future meetings.

Formation of General Manager Review Committee

Chairman O'Rourke stated that the formation of the General Manager Review Committee is required. He wanted to be sure everyone is aware that it is part of this ongoing process. The General Manager is entitled to and should receive an annual review. This involves a compensation review as well as a performance review and review of the compensation at this time of year. Chairman O'Rourke stated that he would like to recommend a subcommittee this evening. This should be straight forward because it is usually a committee of three Commissioners and there are only three Commissioners in attendance at this evening. Therefore, it is logical that Commissioners Pacino and Stempeck can serve on this subcommittee. Mr. Stempeck added that the criteria used last year was well defined and will be a timely review this year as opposed to last year's delay. Chairman O'Rourke stated that the final recommendation comes forward per the agreement any recommended increase is effective as of the start date. Mr. Pacino added that objectives for the organization can be set as well.

Mr. Pacino made a motion seconded by Mr. Stempeck move to appoint Commissioners Stempeck, O'Rourke and Pacino to the General Manager Review Committee.

Motion carried 3:0:0.

Approval of Board Minutes – February 26, 2015

Motion

Mr. Pacino made a motion seconded by Mr. Stempeck to approve the RMLD Board of Commissioners minutes of February 26, 2015, as presented.

Motion carried 3:0:0.

**General Manager's Report – Ms. O'Brien – General Manager
RMLD's Tree Trimming Program**

Ms. O'Brien stated that RMLD has a new contractor for tree trimming through an IFB process in which Mayer was the successful bidder. The RMLD now trims based on spans as opposed to hourly pay. RMLD changed the tree trimming to a three year cycle, cut and prune because trees represent one of the largest causes of outages. Ms. O'Brien noted that only in the Town of Reading that cutting is still only up to five feet whereas when RMLD spoke to the Town Managers/Administrators and Selectmen to present the Vegetation Management Plans they were in agreement to go to eight feet. Ms. O'Brien explained that this is a standard utility practice. RMLD has been extremely happy with Mayer who does our tree trimming, they get in their trucks, eat in their trucks for lunch and just keep rolling.

RMLD has communications established in all four of the towns, there was a meeting with the Town of Reading - Tree Warden, Assistant Tree Warden, DPW Director, Conservation Commission, Chief Engineer, Mr. Jaffari and myself discussed how we could improve the communications and program. For example, we e-mail the Tree Warden on a daily basis where the tree crews will be trimming, the trimming map is posted daily to the RMLD website anyone could see where the trimming will be performed. Based on our meeting, the Tree Warden and Assistant Tree Warden are straight out with their work. The RMLD will prepare a one month map and present it to the Tree Warden and Assistant Tree Warden in Reading. There will be an approved Vegetation Management Plan for that area will be agreed prior to proceeding to each section.

Ms. O'Brien added that the Conservation Commission is now in the loop. We provided some education as far as when lines are touching trees, wood does conduct electricity and if that primary is laying on that tree in such a way where a child touches that tree and could get hurt. While the Tree Warden is in the business of preserving the health of the tree, RMLD is in the business also of preserving the health of the tree, but also in trimming it back to remove any immediate hazards. Something else that was learned is that trees touch wires going down a street, when there is a circuit a fault there may a number of burn marks on that wire all the way down the street. It was not realized that RMLD is responsible to trim each one of the trees down the street trying to find the fault. If a Lineman was to put the cutout back in and the fault remained that threat could be very dangerous for them. Ms. O'Brien continued, when someone says, "If that was the tree causing it why did you trim out some other trees on the street during the emergency?" Ms. O'Brien stated as she has explained that is the reason.

Ms. O'Brien stated that we agreed if there was any subsequent trimming that RMLD did not finish that had to be completed the next day then RMLD would then call that loop of people. They would come down to the area to be trimmed, take an assessment of what was done and what was the emergency.

**General Manager's Report – Ms. O'Brien – General Manager
RMLD's Tree Trimming Program**

Ms. O'Brien stated that the Integrated Vegetation Management Plan that the Tree Warden in Reading is reviewing will get back to RMLD, then RMLD will be going to the eight feet. Ms. O'Brien stated that this meeting was a very productive meeting, there are new forms from the new meeting, the Vegetation Management Plan has been revised which will be presented next week. This will help eliminate some of the concerns. Ms. O'Brien stated that it would appear that some of this is a little more aggressive than the previous trimmer was doing, but rest assured the safety of the public and workers is number one. The esthetics of the tree and how they are directionally pruned and how RMLD works cohesively with the Towns and the Tree Wardens is what RMLD is trying to achieve. It was a great communications meeting. Ms. O'Brien said that there may be some feedback, if another meeting is required, she will do that. We want a continuous improvement.

Chairman O'Rourke added this is a result of a communication from a concerned citizen of Reading. He had the opportunity to communicate some of the information that Ms. O'Brien shared particularly around the advanced notice when they are coming to trim the trees that response was well received. Chairman O'Rourke stated that he was under the impression that the Town of Reading was currently on the eight feet, it is currently five feet. Ms. O'Brien stated that the Town of Reading has not yet approved the eight feet although it has been presented to the Selectmen. Once the Integrated Vegetation Management was submitted to the Tree Warden, it gets reviewed and approved by them then the RMLD can go to the eight feet. We have not received that back from the Reading Tree Warden.

Chairman O'Rourke stated that he had two questions from this particular individual. One was more concerned around is eight feet going to be too long a span versus five feet. Ms. O'Brien explained that eight to ten feet is the standard industry cut. The Independent Utility Operators (IOUs), have a larger territory they go to ten feet and depending upon the species you can top cut silver maples it will not hurt the health of the tree. Ms. O'Brien stated that this is why in this particular IFB as opposed to the prior contractor, RMLD has a Master Arborist as part of this new contract. The Master Arborist works with the Tree Warden taking the health of the tree into consideration with everything that is cut. Clarifying, Chairman O'Rourke stated that eight feet is the norm, but given the individual circumstances health of the tree it could be less than eight feet in that particular situation. Ms. O'Brien answered that depending upon the species and the growth of the tree you are trying to keep the distance based on that growth.

Chairman O'Rourke clarified that it is not just a prescribed eight feet no matter what. Ms. O'Brien stated no, and explained that it is a clearance from the line is what is supposed to be maintaining.

Chairman O'Rourke asked if there needs to be five feet or eight feet clearances or just cutting around them. Ms. O'Brien replied that those are clearance cuts. Ms. O'Brien reiterated that the RMLD does not cut private property trees unless it is an immediate hazard. If someone has a private property tree that is laying on their service line and its smoking, RMLD will go in and remove the hazard, RMLD does want to take liability or responsibility for the health of that tree we are simply removing the hazard. Ms. O'Brien continued, it is the same thing if there is a tree growing out into the street that is actually owned by the property owner and it is laying right into a primary. It could be just a matter of minutes before the tree to catch on fire and the wire will be on the ground, that cutout may not always open. Those are only two areas that RMLD will touch private property trees.

Chairman O'Rourke stated that the process in place at the RMLD is good because it involves all the stakeholders in the town as well as the tree warden. The only other question involves the change from hours to spans. The question was raised, when it comes to the spans approach what controls, the theory with hourly it will be performed slowly and carefully, does the span approach encourage less cautious approach to the tree trimming. Ms. O'Brien stated that it doesn't matter how many hours it takes, it's a span. Continuing, Ms. O'Brien explained, if one hundred twenty feet is a typical distance between two poles and it's going to be trimmed, they are not going to trim more than Vegetation Management Plan dictates its beginning looked at by the Tree Warden. From a cost benefit stand point the span is a much better situation for RMLD.

Chairman O'Rourke stated that the assumption is that RMLD hired a professional organization that is going to take good care and attention to making sure it gets done correctly. Mr. Jaffari added that RMLD's Assistant General Foreman, Mr. Matt Brown, is in charge of the Tree Trimming Program, he follows the tree trimming crews checking to ensure they are doing quality work. Every morning Mr. Brown assigns the tree work.

Ms. O'Brien stated that the Reading Tree Warden and Assistant Tree Warden said for the most part they were happy with the new contractors. It was in just certain cases they did not have the opportunity to look at that street even though it was e-mailed to them. It's hard to say what was there before if a customer has an issue, but we are improving this communication.

Chairman O'Rourke stated that Ms. O'Brien's response has been great and obviously we appreciate citizens concerned about natural assets in the town. As Ms. O'Brien has pointed out there is a balance, there is health and safety issues along with the concern for the environment, sometimes those overlap, clearly safety is always number one importance. Mr. Stempeck added that the rationale for the length on cutting trees must take into account not the summer conditions, but the winter conditions as well.

Power Supply Report – June 2015 – Ms. Parenteau (Attachment 1)

Ms. Parenteau stated that she will provide highlights of the Power Supply Report for the month of June 2015. Energy usage and peak demands for June, compared to last year, there was about a 1.7% decrease in energy usage. The demand dropped from 142 to 138 for about a 6.5% reduction. There was a 4 megawatt drop in June for this year compared to last year which is all weather related.

Ms. Parenteau stated that an interesting observation looked at from the customer's perspective for the fiscal year is the average cost of energy. The energy component represents about fifty percent of the bill. We looked at the last five years. In 2011, the average energy cost was a little over 5.7 cents compared to this year at 5 cents. The last two years the energy cost has been consistent with the natural gas, however, the portfolio purchases were conducted using the laddering and layering approach which has brought some stability for our customers.

Ms. Parenteau reported that June was a good month, the average cost of power was \$43 per megawatt hour. RMLD's power supply was as follows: 15% nuclear, 9% hydro and wind resources, purchased 9% on the spot market, 64% was allocated to our power supply RFPs and about 3% came from Stonybrook and Watson plant that run on natural gas.

Ms. Parenteau commented that transmission costs for June increased significantly from last year to this year which represents an upward trend. Ms. Parenteau stated that there are two components that are part of the transmission costs; the rate that RMLD is charged by the regional network service which is a socialized rate for all of New England and the other component is RMLD's peak demand. Ms. Parenteau noted that the way the ISO bills is that for transmission has a one month lag. The June transmission cost is actually reflective of the May peak and May charges, the rate increase from 2014 to 2015 increased by 2.4 cents. However, the peak demand went from 101 in 2014 to 138 in 2015 which is about a 37% increase in RMLD's peak demand. Ms. Parenteau stated that this is caused by weather. The cooling degree days from May 2014 versus May 2015, reflect this increase. In May 2014, there were zero cooling degree days in the Boston region and in 2015 there were eighteen days in which there was a couple of consecutive days of high eighties to low nineties, by the time you reach the third day that has a direct impact on RMLD's peak demand.

Chairman O'Rourke asked if RMLD has energy by resource, is there a pro forma budget targeted yearly that represent some cost effective, desirable and available. You start out with ideally what the prices should be. Ms. Parenteau answered that yes, we have a model that looks at the prices of the resources within the portfolio, some of the policies where RMLD had a push to get some renewables targets within the portfolio, we take all those things into account. The tricky part comes with the units that RMLD owns, not necessarily the nuclear units, but the natural gas because those get bid into the market and depending upon whether that unit price clears or not clears that unit will be turned on or off. Ms. Parenteau explained, that depending upon the natural gas prices, the load of the region, ISO New England dispatches those resources based on need and then there is a settlement process after the fact. RMLD has projections for pricing on an annual basis and a monthly basis for those resources.

Engineering and Operations Report – June 2015 – Mr. Jaffari (Attachment 2)

Mr. Jaffari reported on the Capital Improvements Projects that are in four categories. Construction Projects in total for the month of June RMLD spent \$84,843 that includes the following projects Pole Line Upgrade on Lowell Street in Wilmington 75% complete, Upgrade Old Lynnfield Center Cooks' Farm 60% complete, URD Upgrades in all Towns (Center Village in Lynnfield and Ohio Street in Wilmington) ongoing and the state project on West Street in Reading 60% complete. In the category of new Customer Service Connection for residential service installations in total for the month of June RMLD spent \$9,800.

Mr. Jaffari stated that for Special Projects in Capital Purchases, in total for the month of June RMLD spent \$79,137 which include the transformers purchases this category includes Transformers and Capacitor Purchases, Meter Purchases/500 Club (RF Mesh Network, Communication Equipment (Fiber Optic) and LED Street Light Conversion. The fourth category in Construction in total for the month of June RMLD spent \$138,604 which brings the year to date total of \$1,816,734.

Mr. Jaffari explained the Routine Maintenance has seven categories.

Aged transformer Replacement Program: Total of 1,866 of these transformers are over twenty years old which must be replaced. Approximately 12% of old pad mount transformers has been replaced thus far since the inception of this program.

Mr. Jaffari stated that the next category is *Pole Inspection Program:* 110 poles have been replaced since the inception of this program and 60 pole transfers have been completed.

Double Pole Transfer Program: We are continuously working on the double situation as well.

Visual Pole Inspection Program: 20 feeders were inspected in this quarter and no problems were found.

The manhole inspection Program: This program is pending the commencement of our GIS data collection.

The porcelain Cutout Replacements program: Total of 2,799 has been identified to be changed out, which to-date 90% is completed.

Engineering and Operations Report – June 2015 – Mr. Jaffari (Attachment 2)

The Tree Trimming Program: From January through the end of June, 1,500 spans completed, which brought the value to \$216,000 through to the month of July.

The Substation Maintenance infrared scanning: All substation were scanned in month of June and we did not find any trouble at any of the substation.

Mr. Jaffari reported on the Reliability for the month of June: the System Average Interruption Duration Index (SAIDI) and the Customer Average Interruption Duration Index (CADI) were under both the national and regional average. The System Average Interruption Frequency Index (SAIFI) was also under both the national and regional average.

Mr. Jaffari noted that on the causes of outages from January to June 2015 that the majority of outage causes were equipment, trees and wildlife. Mr. Jaffari pointed out that tree related outages have been decreased since the inception of our new tree trimming program.

Chairman O'Rourke stated that we had all the Reliability Study recommendations, is he correct that in future meetings of the projects completion updates will be reflected. Ms. O'Brien stated that there will be a September presentation on what was recommended and what was accepted, what is being worked on, who it has been assigned to, etc.

Financial Report – Sales Trending Update – Mr. Fournier (Attachment 3)

Mr. Fournier reported that he is in the process of closing up the year end numbers and waiting for a couple of key figures to come in. Mr. Fournier commented that his preliminary numbers right now represent approximately \$2.8 million of net income or 6.2% rate of return. Mr. Fournier emphasized that these numbers are very preliminary, but as reiterated that he is waiting for some outstanding pieces, if anything they will make that number increase. The auditors will be coming out to the RMLD on August 10. He has until next week to get all the data together. There are no surprises for fiscal year 2015.

Mr. Fournier stated that last year during the audit presentation, Melanson and Heath had mentioned that GASB 68 will take effect in fiscal year 2015. The current early projections for the unfunded liability portion for RMLD's Pension Fund is about \$5.8 million. This will not affect RMLD's profit and loss, but will impacts RMLD's balance sheet on the liability side and on the net position side. Melanson and Heath will explain that role when make their presentation in September.

Mr. Fournier reported on the kilowatts hours sold 2011 to 2015 even though sales were flat this year compared to last year the overall trending is kilowatt sales are down. Mr. Stempeck said that is something that we are feeling the decreased sales, but there is an economic liability with a need to increase revenues or do something different.

Chapter 30B Bids (Attachment 4)

IFB 2015-13 Line Truck Lift Equipment Inspection and Preventative Maintenance Service

Mr. Pacino made a motion seconded by Mr. Stempeck that bid 2015-13 for Line Truck Lift Equipment Inspection and Preventative Maintenance Service be awarded to James A. Kiley Co. for \$105,345.00 as the lowest qualified and responsive bidder on the recommendation of the General Manager. (This is a 3-year contract.)

Motion carried 3:0:0.

IFB 2016-05 Replacement of Circuit Breakers at Kenneth E. Gaw Substation (Substation 4) with new Allis Chalmers type FC Vacuum Circuit Breakers and Associated Devices for Air Magnetic Breakers Rated 15kV

Mr. Pacino made a motion seconded by Mr. Stempeck that bid 2016-05 for Replacement of Circuit Breakers be awarded to WESCO for a total cost of \$549,750.00 as the lowest qualified bidder on the recommendation of the General Manager.

Motion carried 3:0:0.

All commission members will be attending the Northeast Public Power Association (NEPPA) Conference.

General Discussion

There was none.

RMLD Board Meetings

Thursday, September 24, 2015

Thursday, October 29, 2015

Policy Committee Meeting

To Be Determined.

CAB Meeting

Wednesday, August 12, 2015 – Commissioner Hennessey to attend.

Executive Session

At 8:12 p.m. Mr. Pacino made a motion seconded by Mr. Stempeck to move that the Board go into Executive Session to approve the Executive Session meeting minutes of February 26, 2015, to discuss strategy with respect to collective bargaining, to consider the purchase, exchange, lease or value of real property relative to RMLD's fiber, Verizon pole agreement and to Regular Session for the sole purpose of adjournment.

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

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

Motion carried 3:0:0.

Adjournment

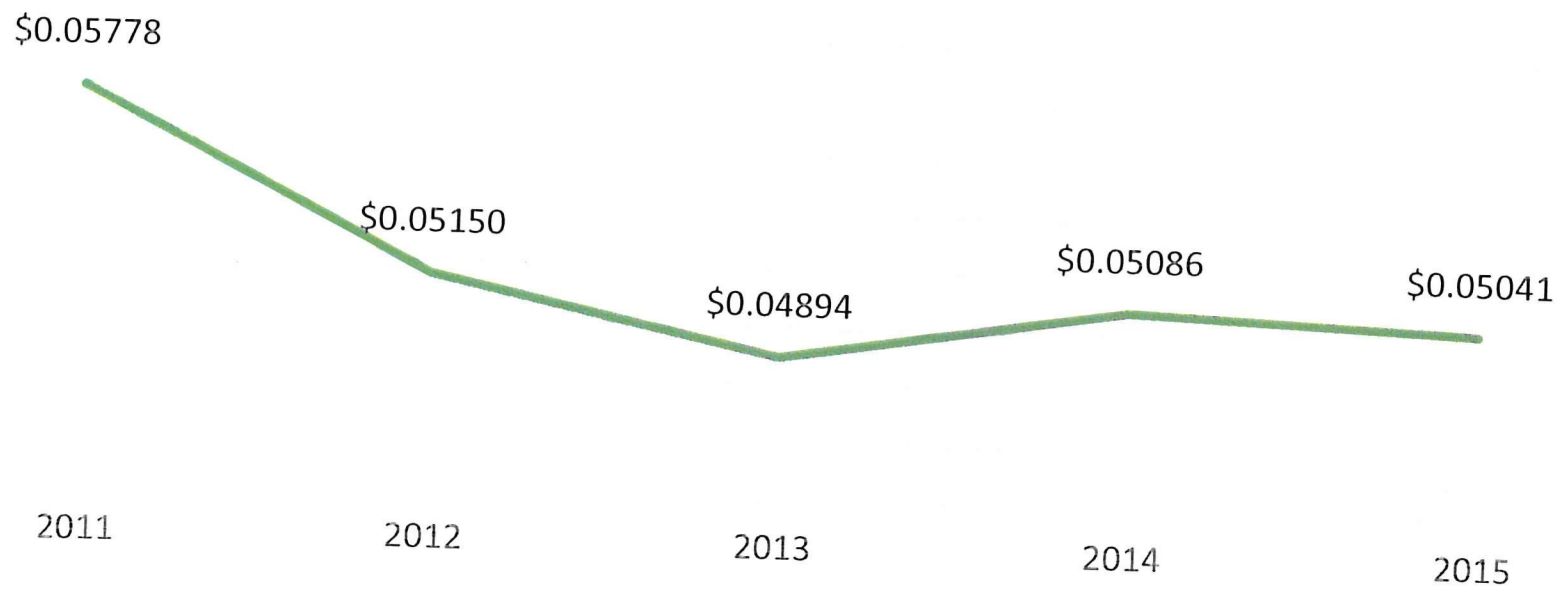
At 9:35 p.m. Commissioner Pacino made a motion seconded by Commissioner Stempeck to adjourn the Regular Session.

Motion carried 3:0:0.

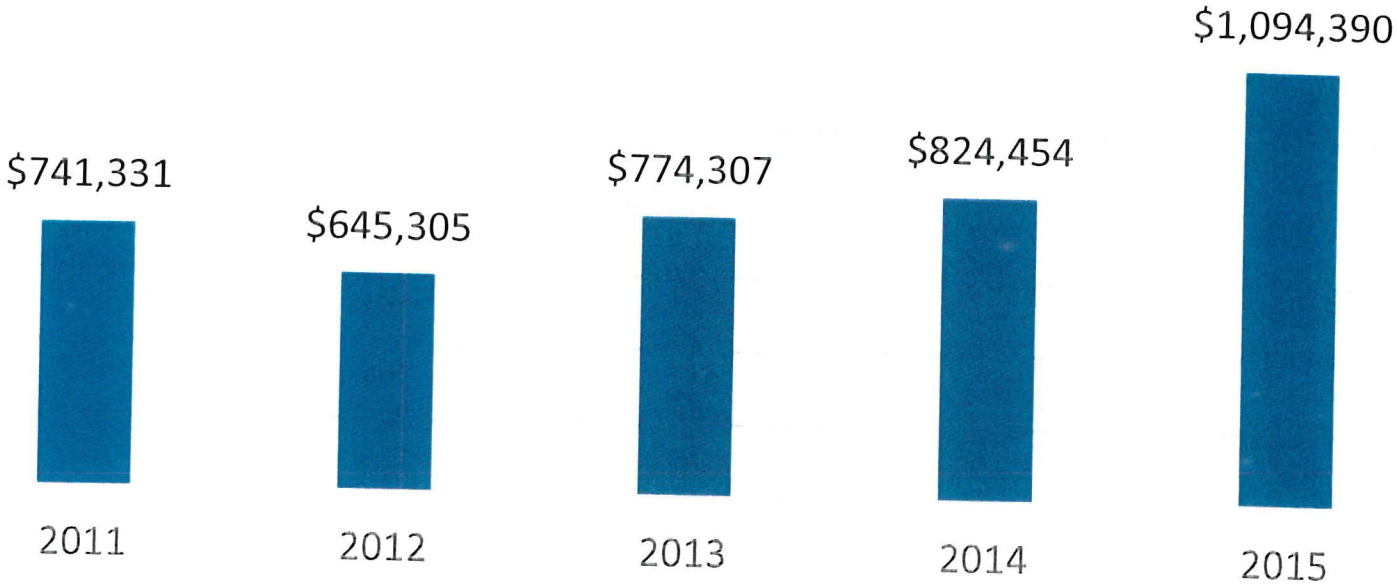
A true copy of the RMLD Board of Commissioners minutes
as approved by a majority of the Commission.

John Stempeck, Secretary Pro Tem
RMLD Board of Commissioners

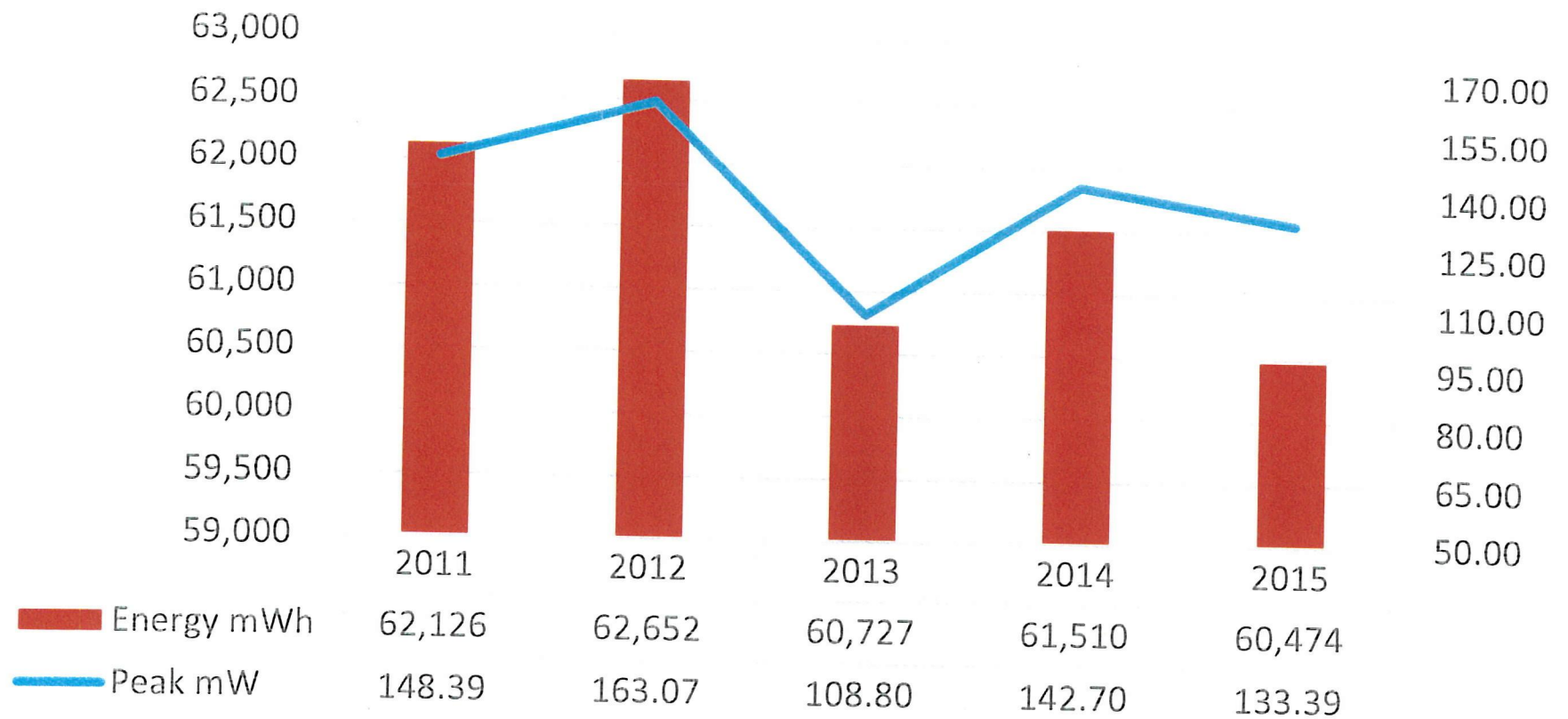
Fiscal Year
2011-2015
Fuel Charge



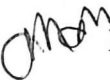

Transmission Costs
June
2011-2015



Energy Usage & Peak Demand June



To: Coleen O'Brien

From:  Maureen McHugh, Jane Parenteau 

Date: July 21, 2015

Subject: Purchase Power Summary – Draft June, 2015

Energy Services Division (ESD) has completed the Purchase Power Summary for the month of June, 2015; subject to any fiscal year final adjustments.

ENERGY

The RMLD's total metered load for the month was 60,474,350 kWh, which is a 1.68% decrease from the June, 2014 figures.

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

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy	Total \$ Costs	\$ as a %
Millstone #3	3,575,562	\$6.71	5.91%	\$23,992	0.93%
Seabrook	5,697,093	\$6.69	9.42%	\$38,091	1.48%
Stonybrook Intermediate	1,392,976	\$28.81	2.30%	\$40,136	1.56%
Shell Energy	11,636,800	\$69.64	19.24%	\$810,387	31.46%
NextEra	8,875,000	\$54.86	14.67%	\$486,881	18.90%
NYP&A	1,853,631	\$4.92	3.06%	\$9,120	0.35%
ISO Interchange	5,629,197	\$34.35	9.31%	\$193,342	7.50%
NEMA Congestion	0	\$0.00	0.00%	-\$176,518	-6.85%
Coop Resales	9,891	\$130.90	0.02%	\$1,295	0.05%
BP Energy	9,357,600	\$47.73	15.47%	\$446,638	17.34%
Hydro Projects*	3,342,735	\$88.41	5.53%	\$295,540	11.47%
Braintree Watson Unit	257,077	\$42.30	0.43%	\$10,874	0.42%
Saddleback Wind	199,840	\$202.52	0.33%	\$40,472	1.57%
Exelon	8,656,400	\$41.13	14.31%	\$355,995	13.82%
Stonybrook Peaking	0	\$0.00	0.00%	\$0	0.00%
Monthly Total	60,483,802	\$42.59	100.00%	\$2,576,246	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 June, 2015.

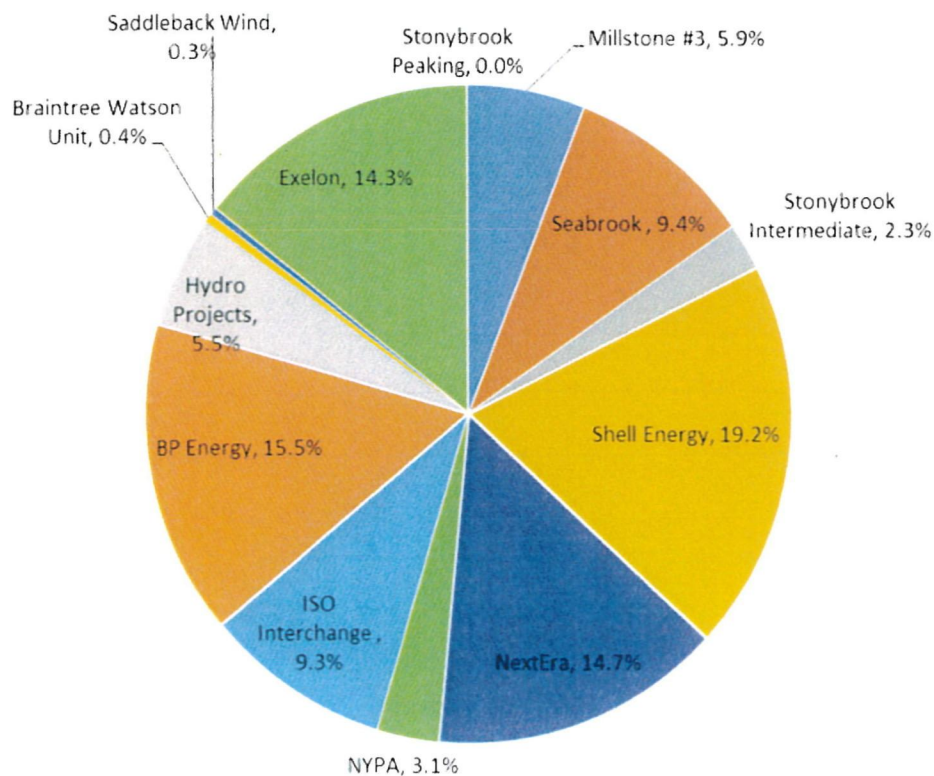
Table 2

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP *	7,668,489	26.71	12.68%
Settlement			
RT Net Energy **	-2,039,292	5.65	-3.37%
Settlement			
ISO Interchange (subtotal)	5,629,197	34.35	9.31%

* Independent System Operator Day-Ahead Locational Marginal Price

** Real Time Net Energy

JUNE 2015 ENERGY BY RESOURCE



CAPACITY

The RMLD hit a demand of 133,390 kW, which occurred on June 23, at 6 pm. The RMLD's monthly UCAP requirement for June, 2015 was 222,944 kW.

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

Table 3

Source	Amount (kW)	Cost (\$/kW-month)	Total Cost \$	% of Total Cost
Millstone #3	4,950	34.45	\$170,533	11.81%
Seabrook	7,910	29.95	\$236,916	16.41%
Stonybrook Peaking	24,981	2.03	\$50,700	3.51%
Stonybrook CC	42,925	7.76	\$333,250	23.08%
NYP&A	4,019	4.19	\$16,834	1.17%
Hydro Quebec	0	0	\$19,923	1.38%
NextEra	60,000	5.90	\$354,000	24.52%
Braintree Watson Unit	10,520	11.15	\$117,298	8.12%
ISO-NE Supply Auction	65,637	2.20	\$144,216	9.99%
Hydro Projects	2,002	0.00	\$0	0.00%
Total	222,944	\$6.48	\$1,443,670	100.00%

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

Table 4

Resource	Energy	Capacity	Total cost	% of Total Cost	Amt of Energy (kWh)	Cost of Power (\$/kWh)
Millstone #3	\$23,992	\$170,533	\$194,525	4.84%	3,575,562	0.0544
Seabrook	\$38,091	\$236,916	\$275,007	6.84%	5,697,093	0.0483
Stonybrook Intermediate	\$40,136	\$333,250	\$373,386	9.29%	1,392,976	0.2680
Hydro Quebec	\$0	\$19,923	\$19,923	0.50%	-	0.0000
Shell Energy	\$810,387	\$0	\$810,387	20.16%	11,636,800	0.0696
NextEra	\$486,881	\$354,000	\$840,881	20.92%	8,875,000	0.0947
* NYP&A	\$9,120	\$16,834	\$25,954	0.65%	1,853,631	0.0140
ISO Interchange	\$193,342	\$144,216	\$337,558	8.40%	5,629,197	0.0600
Nema Congestion	-\$176,518	\$0	-\$176,518	-4.39%	-	0.0000
BP Energy	\$446,638	\$0	\$446,638	11.11%	9,357,600	0.0477
* Hydro Projects	\$295,540	\$0	\$295,540	7.35%	3,342,735	0.0884
Braintree Watson Unit	\$10,874	\$117,298	\$128,173	3.19%	257,077	0.4986
* Saddleback Wind	\$40,472	\$0	\$40,472	1.01%	199,840	0.2025
Coop Resales	\$1,295	\$0	\$1,295	0.03%	9,891	0.1309
Exelon Energy	\$355,995	\$0	\$355,995	8.86%	8,656,400	0.0411
Stonybrook Peaking	\$0	\$50,700	\$50,700	1.26%	-	0.0000
Monthly Total	\$2,576,246	\$1,443,670	\$4,019,915	100.00%	60,483,802	0.0665
* Renewable Resources						8.92%

RENEWABLE ENERGY CERTIFICATES (RECs)

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

Table 5
Swift River RECs Summary
Period - January 2015 - June 2015

	Banked RECs	Projected RECs	Total RECs	Est. Dollars
Woronoco	0	1,550	1,550	\$74,400
Pepperell	0	3,639	3,639	\$174,672
Indian River	0	1,796	1,796	\$86,208
Turners Falls	<u>0</u>	<u>1,059</u>	<u>1,059</u>	<u>\$0</u>
Sub total	0	8,044	8,044	\$335,280
RECs Sold			0	\$0
Grand Total	0	8,044	8,044	\$335,280

TRANSMISSION

The RMLD's total transmission costs for the month of June, 2015 were \$1,094,390. This is an increase of 78.49% from the May transmission cost of \$613,139. In June, 2014 the transmission costs were \$824,454.

Table 6

	Current Month	Last Month	Last Year
Peak Demand (kW)	133,390	138,424	142,696
Energy (kWh)	60,483,802	58,248,608	60,533,499
Energy (\$)	\$2,576,246	\$2,012,239	\$2,523,075
Capacity (\$)	\$1,443,670	\$1,547,092	\$1,428,943
Transmission(\$)	\$1,094,390	\$613,139	\$824,454
Total	\$5,114,306	\$4,172,470	\$4,776,472

ENERGY EFFICIENCY

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

Table 7				Total \$		Total		Total \$			
Commercial	Year	Capacity Saved (kW)	Energy Saved (kwh)	Capacity	\$/kW	Energy	\$/kWh	Rebate	Rebate/kWh	Rebate/kW	Cost Benefit
Total to date	FY07-14	16,169	63,959,276	\$ 1,561,065		3,543,375		\$ 1,732,385	\$ 0.03	\$ 107.14	\$ 3,372,054
Current	FY15	325	1,089,726	\$ 44,619	\$ 11.45	65,384	\$ 0.06	\$ 239,901	\$ 0.22	\$ 738.75	\$ (129,898)
Residential											
Total to date	FY07-14	2,609	2,252,774	\$ 257,422		117,229		\$ 718,531	\$ 0.32	\$ 275.42	\$ (343,881)
Current	FY15	285	141,125	\$ 39,143	\$ 11.45	8,468	\$ 0.06	\$ 130,795	\$ 0.93	\$ 459.12	\$ (83,185)
Total											
Total to date	FY07-14	18,778	66,212,049	\$ 1,818,487		3,660,603		\$ 2,475,916	\$ 0.04	\$ 131.85	\$ 3,003,174
Current	FY15	610	1,230,851	\$ 83,762	\$ 11.45	73,851	\$ 0.06	\$ 370,696	\$ 0.30	\$ 608.08	\$ (213,083)

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

Table 8																								
	Washing Machine		Refrigerator		Dishwasher		Dehumidifier		Central A/C		Window A/C		Thermostat		Audits		Renewable		Air Source Heat Pump		HP Water Heater		Fan	
Year	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars
2007																								
2008	86	\$ 4,300	47	\$ 2,350	55	\$ 2,750	7	\$ 175	17	\$ 1,700	10	\$ 250	23	\$ 230	107	\$ 14,940								
2009	406	\$ 20,300	259	\$ 12,950	235	\$ 11,750	40	\$ 1,000	41	\$ 4,100	50	\$ 1,250	114	\$ 1,140	107	\$ 14,940								
2010	519	\$ 25,950	371	\$ 18,550	382	\$ 19,100	37	\$ 925	64	\$ 6,400	49	\$ 1,225	127	\$ 1,270	64	\$ 8,960	6	\$ 20,700						
2011	425	\$ 21,250	383	\$ 19,150	313	\$ 15,650	47	\$ 1,175	57	\$ 5,700	65	\$ 1,625	118	\$ 1,180	180	\$ 26,960	4	\$ 18,000						
2012	339	\$ 16,950	354	\$ 17,700	289	\$ 14,450	38	\$ 950	44	\$ 4,400	56	\$ 1,400	105	\$ 1,050	219	\$ 32,731	3	\$ 14,000			9	\$ 2,250	3	\$ 30
2013	285	\$ 14,250	336	\$ 16,800	311	\$ 15,550	29	\$ 725	24	\$ 2,400	54	\$ 1,350	57	\$ 570	375	\$ 75,000	3	\$ 15,000	\$ 19	\$ 1,900	4	\$ 1,000	5	\$ 50
2014	322	\$ 16,100	333	\$ 16,650	298	\$ 14,900	27	\$ 675	38	\$ 3,800	76	\$ 1,900	83	\$ 1,245	363	\$ 72,600	4	\$ 17,250	\$ 20	\$ 2,000	11	\$ 2,750	7	\$ 70
2015	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	3	\$ 30
Total	2639	\$ 131,950	2339	\$ 116,950	2144	\$ 107,200	251	\$ 6,275	312	\$ 31,200	396	\$ 9,900	668	\$ 7,300	1729	\$ 308,931	27	\$ 103,950	63	\$ 6,300	36	\$ 9,000	18	\$ 180



Engineering & Operations Report

July 30, 2015, Meeting

for June 2015 Reporting Period

Hamid Jaffari, Director of Engineering & Operations



Capital Improvement Projects

► **Construction Projects**

- Pole Line Upgrade – Lowell Street Wilmington
- Upgrade Old Lynnfield Center URDs (Cook's Farm)
- URD Upgrades – All Towns
- West Street – Force Account, Reading

► **New Customer Service Connections**

- Service Installations - Residential

► **Special Projects/Capital Purchases**

- Transformers and Capacitors Purchases
- Meter Purchases/500 Club (RF Mesh Network)
- Communication Equipment (Fiber Optic)
- LED Street Light Conversion

► **Routine Construction**

- June \$138,604 YTD \$1,816,734 (preliminary)



Routine Maintenance

➤ Transformer Replacement

- Pad mount 11.66% Overhead 9.39%

➤ Pole Inspection

- 110 poles have been replaced
- 60 of 110 transfers have been completed

➤ Visual Inspection of OH Lines

- 5W8, 5W9, 5W4, 5W5, 4W7, 4W23, 3W8, 3W18, 3W6, 3W13, 3W5, 3W15, 4W5, 4W6, 4W9, 4W13, 4W10, 4W12, 4W16, 4W30. Miscellaneous branches and vines were found and removed.

➤ Manhole Inspection

➤ Porcelain Cutout Replacements

- 90% complete

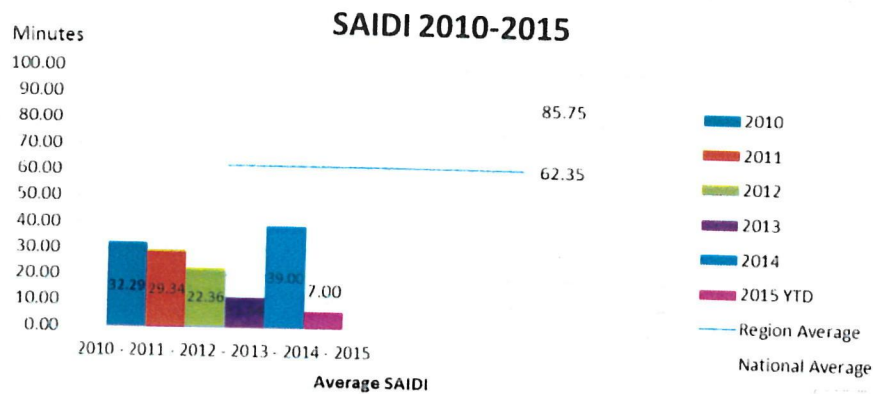
➤ Tree Trimming

- 1,500 spans completed (January-June)

➤ Substation Maintenance

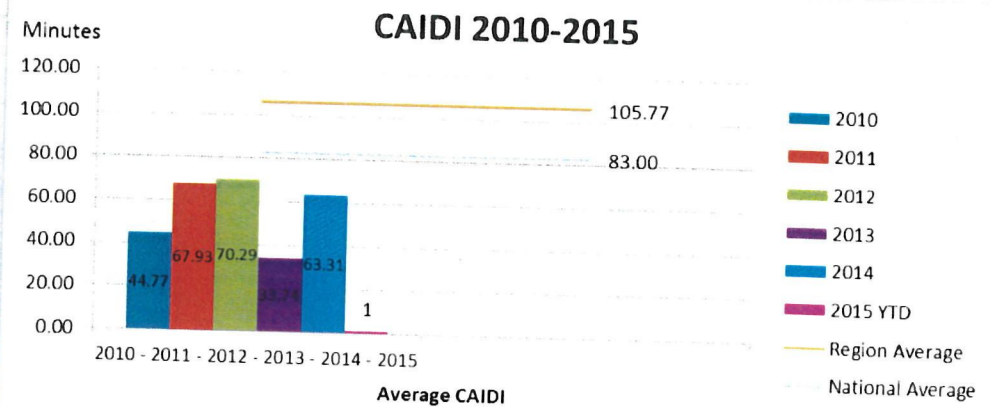
- Infrared Scanning – June complete - no hot spots found

Reliability exceeds regional and local indices . . .

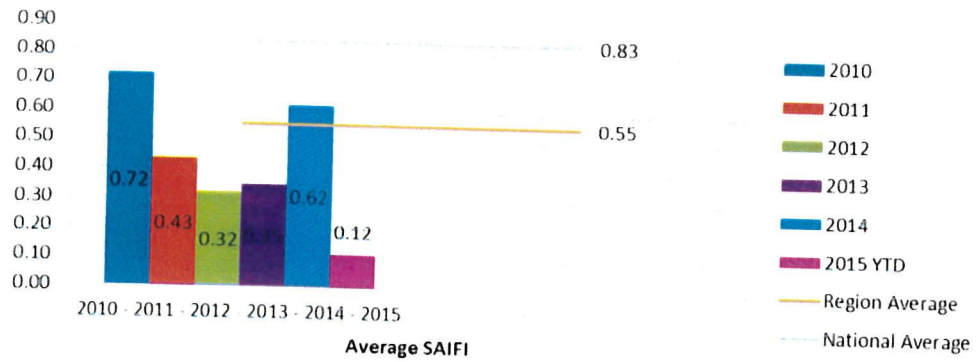


$$SAIDI (Minutes) = \frac{\text{Total Duration of Customer Interruptions}}{\text{Total Number of Customers Served}}$$

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

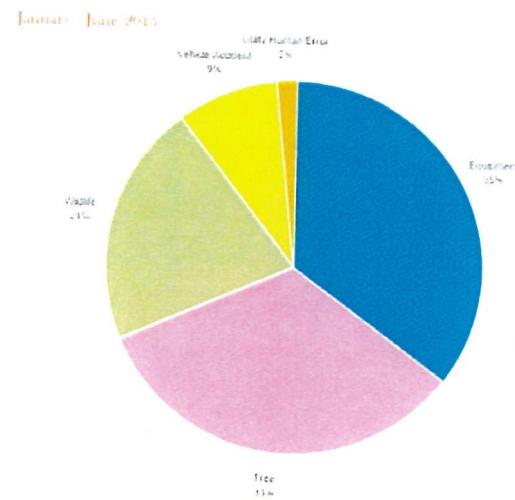


SAIFI 2010-2015



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

Outages Causes Calendar YTD (from eReliability website)



Outage Cause	Count
Equipment	20
Tree	19
Wildlife	12
Vehicle Accident	6
Utility Human Error	1
Total	57

Questions ?



READING MUNICIPAL LIGHT DEPARTMENT

Engineering and Operations Monthly Report

June 2015

CAPITAL IMPROVEMENTS

Construction Projects:		% Complete FY14-15 Status	Month	YTD*
102	Pole Line Upgrade - Lowell Street, Wilmington	75%	\$44,461	\$204,499
104	Upgrade Old Lynnfield Center URDs (Cook's Farm)	60%	\$161,136	\$238,071
106	URD Upgrades – All Towns <ul style="list-style-type: none">Center Village, LynnfieldOhio Street, Wilmington	On-going	\$3,892	\$59,701
212	West Street – Force Account, Reading	60%	\$28,231	\$84,843
New Customer Service Connections:				
113	Service Installations – Residential: This item includes new or upgraded overhead and underground services.	On-going	\$9,800	\$129,833
Special Projects/Capital Purchases:				
116	Transformers and Capacitors Purchases		\$7,369	\$155,649
117	Meter Purchases/500 Club (RF Mesh Network)		\$41,436	\$149,004
126	Communication Equipment (Fiber Optic)		\$15,925	\$21,689
131	LED Street Light Conversion		\$14,407	\$40,657

*Preliminary Numbers for Year-End

Routine Construction:	Jun	YTD*
Pole Setting/Transfers	49,109	437,882
Overhead/Underground	42,797	469,173
Projects Assigned as Required <ul style="list-style-type: none"> • 4W13 Cable Replacement • I-95 Rotary, Reading 	11,597	304,627
Pole Damage/Knockdowns <ul style="list-style-type: none"> • Work was done to repair or replace five (5) damaged poles 	4,736	51,010
Station Group	1,860	117,441
Hazmat/Oil Spills	0	3,831
Porcelain Cutout Replacement Program	299	26,403
Lighting (Street Light Connections)	0	20,869
Storm Trouble	0	35,672
Underground Subdivisions (new construction)	8,267	68,755
Animal Guard Installation	178	7,009
Miscellaneous Capital Costs	19,761	274,062
TOTAL:	<u>\$ 138,604</u>	<u>\$ 1,816,734</u>

*Preliminary Numbers for Year-End

MAINTENANCE PROGRAMS

Aged/Overloaded Transformer Replacement through June 30, 2015

Padmount:

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

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

Overhead:

Single-Phase: 10.23% replaced (of those over 20 years old)

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

Pole Testing System-wide (600-1,000 poles/year) (as of 7/26/2015)

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

- 390 silver tag (PASSED)
- 191* red tag (FAILED): *88 have been replaced*
- 22 double red tag (CONDEMNED): *22 have been replaced*

60 of 110 transfers have been completed

*42 red tag (failed) poles were reevaluated and removed from the list.

13.8kV/35kV Feeders – Quarterly Inspections

5W8, 5W9, 5W4, 5W5, 4W7, 4W23, 3W8, 3W18, 3W6, 3W13, 3W5, 3W15, 4W5, 4W6, 4W9, 4W13, 4W10, 4W12, 4W16, 4W30

Miscellaneous branches and vines were found and removed.

Manhole Inspections

Pending.

Porcelain Cutout Replacements (with Polymer)

As of June 30, 2015, there are 282 remaining porcelain cutouts to be replaced. 90% complete.

Tree Trimming

1,500 spans (January – June)

Substations:

Infrared Scanning (Monthly)

Station 3	Scanning complete through June – no hot spots found
-----------	---

Station 4	Scanning complete through June – no hot spots found
-----------	---

Station 5	Scanning complete through June – no hot spots found
-----------	---

Substation Maintenance Program

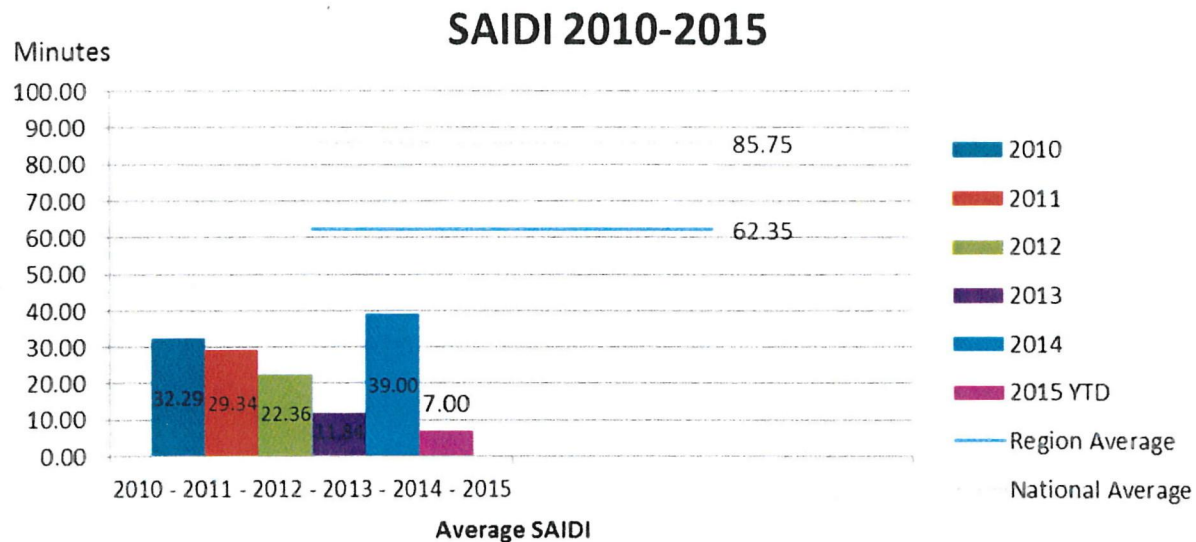
- *Inspection of all three stations by UPG complete.*
-

SYSTEM RELIABILITY

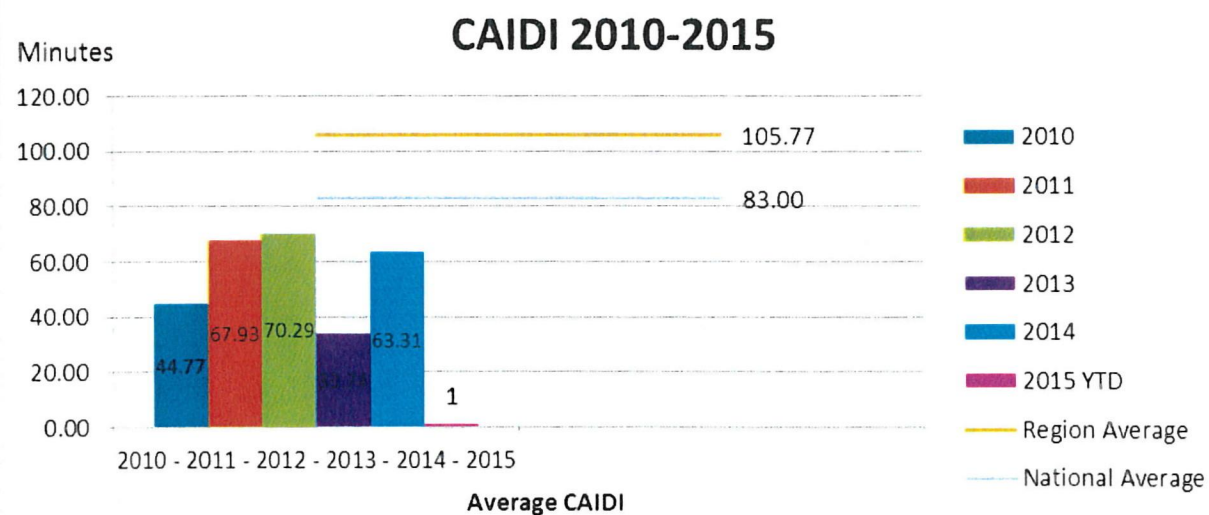
Key industry standard metrics have been identified to enable the RMLD to measure and track system reliability.

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

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

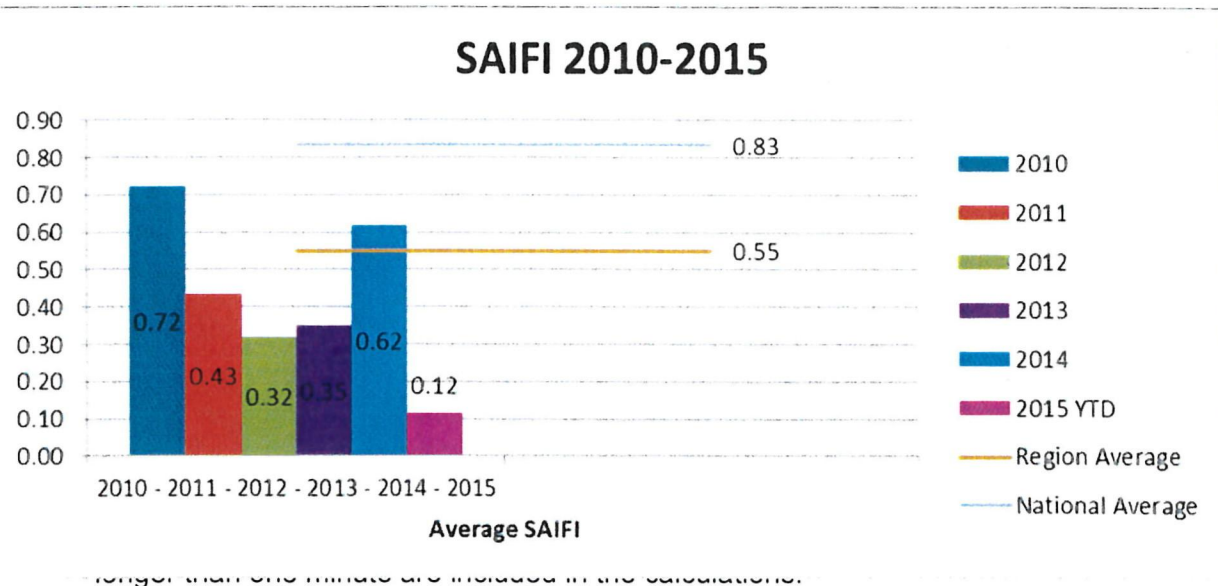


CAIDI = the sum of all customer interruption durations during that time period ÷ the number of customers that experienced one or more interruptions during that time period.



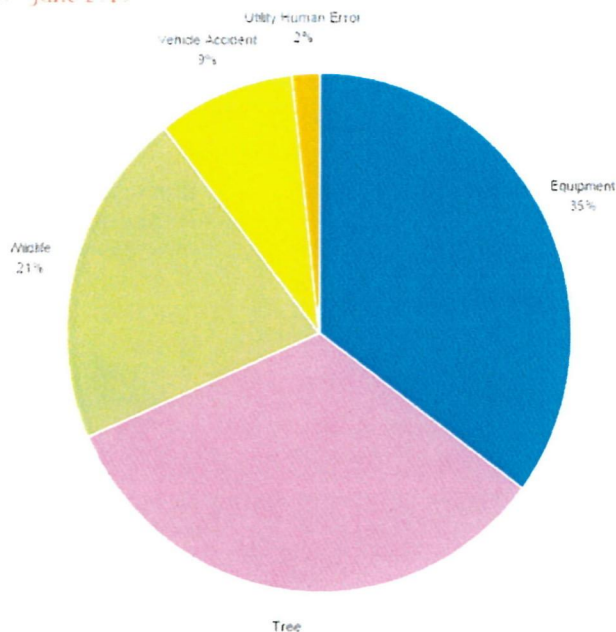
SAIFI (System Average Interruption Frequency) is defined as the average number of instances a customer on the utility system will experience an interruption during a specific time period.

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

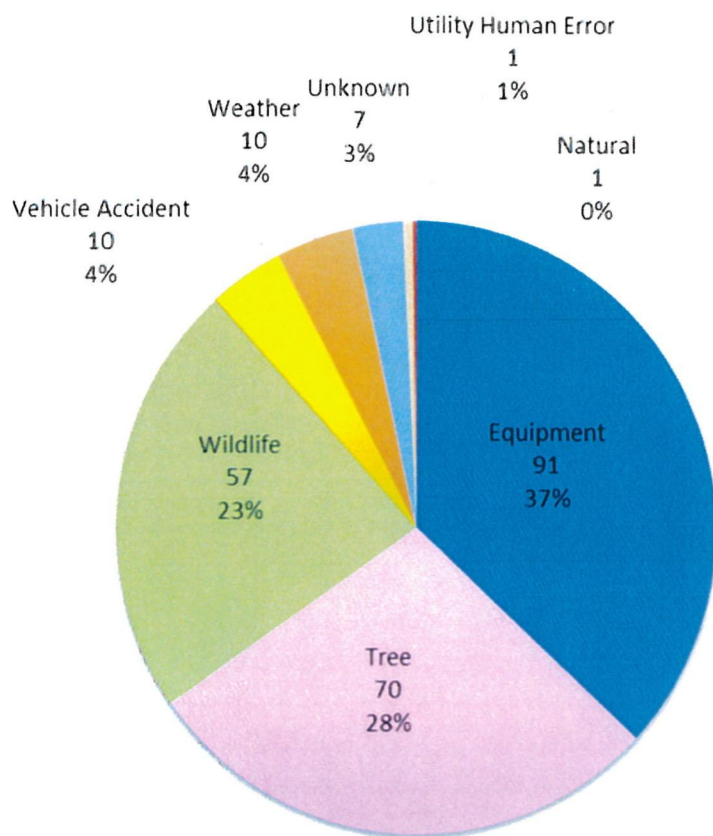


Outages Causes Calendar YTD (from eReliability website)

January - June 2015



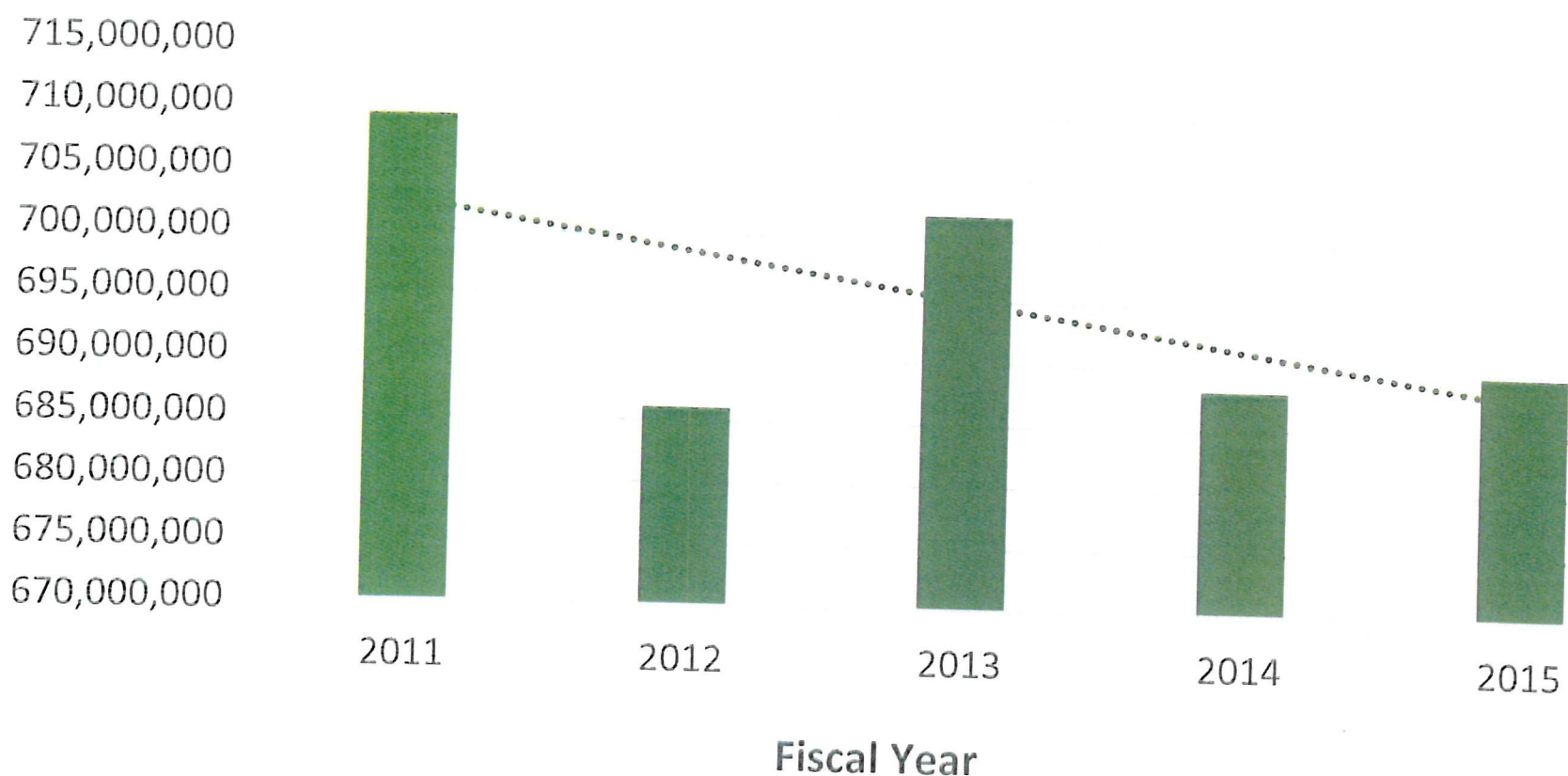
Outage Cause	Count
Equipment	20
Tree	19
Wildlife	12
Vehicle Accident	5
Utility Human Error	1
Total	57



Outage Causes
Annual Average 2010-2015

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

kWh Sold 2011-2015



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

July 23, 2015

Town of Reading Municipal Light Board

Subject: Line Truck Lift Equipment Inspection and Preventative Maintenance Service

On June 22, 2015 a bid invitation was placed in the Goods and Services Bulletin and on June 24, 2015 as a legal notice in the Reading Chronicle, Middlesex East requesting proposals for Line Truck Lift Equipment Inspection and Preventative Maintenance Service for the Reading Municipal Light Department.

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

Consolidated Utility Equipment Services, Inc. - C.U.E.S.

D.C. Bates Equipment Co., Inc.

J & D Power Equipment, Inc.

James A. Kiley Co.

Bids were received from two companies: James A. Kiley Co. and J & D Power Equipment, Inc.

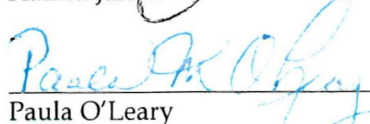
The bids were publicly opened and read aloud at 11:00 a.m. on July 16, 2015, in the Town of Reading Municipal Light Department's Audio Visual Spurr Room, 230 Ash Street, Reading, Massachusetts.

The bids were reviewed, analyzed and evaluated by staff and recommended by the General Manager. Move that bid 2015-13 for: Line Truck Lift Equipment Inspection and Preventative Maintenance Service be awarded to: James A. Kiley Co. for \$105,345.00 as the lowest qualified and responsive bidder on the recommendation of the General Manager. (This is a 3-year contract.)

IFB 2015-13 is funded through the Transportation Operating budget.



Coleen O'Brien

Hamid Jaffari

Paula O'Leary

Line Truck Lift Equipment Inspection and Preventative Maintenance Service

Bid 2015-13

<u>Bidder</u>	<u>Three-Year Total Cost</u>	<u>Year 1 2015</u>	<u>Year 2 2016</u>	<u>Year 3 2017</u>	<u>Responsive Bidder</u>	<u>Specifications Met</u>
James A. Kiley Co.	\$105,345.00	\$33,990.00	\$35,115.00	\$36,240.00	Yes	Yes
J & D Power Equipment, Inc.	\$69,247.00	\$21,909.00	\$23,062.00	\$24,276.00	No ¹	Yes

Notes for Non-Response

¹ J & D Power Equipment, Inc. is unable to meet the insurance requirement of \$5 million.



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

July 27, 2015

Town of Reading Municipal Light Board

Subject: Replacement of Circuit Breakers

On July 8, 2015 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle and The Central Register requesting proposals for Replacement of Circuit Breakers at Kenneth E. Gaw Substation (Substation 4) with New Allis Chalmers type FC Vacuum and Associated Devices for Air Magnetic Breakers Rated 15kV for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Circuit Breaker Sales	National Switchgear	Eaton Cooper	BCS Switchgear
Power Sales Group	WESCO	Shamrock Power	D&D Electrical Sales
Power Tech-UPSC	Hasgo Power Sales	Robinson Sales	Diversified Electrical Services
EL Flowers & Associates	Genergy Corp	MVA Power, Inc.	Electrical Control Equipment
Siemens	HD Industries	Stuart C Irby	Graybar Electric Company
JF Gray & Associates			

Bids were received from WESCO, Circuit Breaker Sales NE, Inc., Graybar Electric Company, Schneider Electric and Powell.

The bids were publicly opened and read aloud at 11:00 a.m. July 22, 2015 in the Town of Reading Municipal Light Department's Board Room, 230 Ash Street, Reading, Massachusetts.

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

Move that bid 2016-07 for Replacement of Circuit Breakers be awarded to:

WESCO for a total cost of \$549,750.00

<u>Item (desc.)</u>	<u>Qty</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
Item 1 FC-500A, 15kV, 1200 Amps, 500 MVA, MOC	18	\$16,750.00	\$301,500.00
Item 1 installation	18	\$1,750.00	\$31,500.00
Item 2 FC-500A**, 15kV, 2000 Amps, 500 MVA, MOC	9	\$20,000.00	\$180,000.00
Item 2 installation	9	\$1,750.00	\$15,750.00
		Subtotal	\$528,750.00
Optional 5 year warranty			\$21,000.00
		Total	\$549,750.00

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

RMLD



Reading Municipal Light Department
RELIABLE POWER FOR GENERATIONS

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

The FY16 Capital Budget allocation for the purchase of these units under the Station 4: Switchgear / Breaker Replacement project was estimated at \$508,000.

Coleen O'Brien

Hamid Jaffari

7/27/15

Nick D'Alleva

Circuit Breaker Replacements at Gaw Substation
Bid 2016-05

Bidder	Manufacturer	Delivery Date	Unit Cost	Qty	Total Net Cost	Three (3) year warranty	Five (5) year warranty	All forms filled out	Firm Price	Certified Check or Bid Bond	Authorized signature	Exceptions to stated bid requirements	Meet Specification requirement
WESCO								yes	yes	yes		yes	yes
Item 1 FC-500A, 15kV, 1200 Amps, 500 MVA, MOC	Siemens	12-14 weeks	16,750.00	18	301,500.00	included	21,000.00	<u>Exceptions:</u>					
Item 1 installation			1,750.00	18	31,500.00			Attached to bid.					
Item 2 FC-500A**, 15kV, 2000 Amps, 500 MVA, MOC			20,000.00	9	180,000.00			<u>Station / Engineering Notes:</u>					
Item 2 installation			1,750.00	9	15,750.00			Exceptions stated are acceptable.					
Total cost					528,750.00								
Circuit Breaker Sales NE Inc.								yes	yes	yes		yes	
Item 1 FC-500A, 15kV, 1200 Amps, 500 MVA, MOC	Circuit Breaker Sales	10-12 weeks	24,462.50	18	440,325.00	2,707.15	3,564.30	<u>Exceptions:</u>					
Item 1 installation			3,500.00	18	63,000.00	each	each	Not clearly stated.					
Item 2 FC-500A**, 15kV, 2000 Amps, 500 MVA, MOC			27,712.50	9	249,412.50								
Item 2 installation			3,500.00	9	31,500.00								
Total cost					784,237.50								
Graybar Electric - non-responsive								yes	no	yes		yes	yes
Item 1 FC-500A, 15kV, 1200 Amps, 500 MVA, MOC	Eaton Mfg.	not listed	25,960.00	18	467,280.00	25,863.00	43,106.00	<u>Exceptions:</u>					
Item 1 installation			1,069.00	18	19,242.00			Attached to bid.					
Item 2 FC-500A**, 15kV, 2000 Amps, 500 MVA, MOC			44,443.00	9	399,987.00			<u>Purchasing Notes:</u>					
Item 2 installation			1,069.00	9	9,621.00			Price not firm. Delivery to site only. Pricing as stated is unclear.					
Total cost					896,130.00								
Schneider Electric								yes	yes	yes		yes	yes
Item 1 FC-500A, 15kV, 1200 Amps, 500 MVA, MOC	Schneider	18-20 weeks	22,931.60	18	412,768.80	28,483.00	66,460.50	<u>Exceptions:</u>					
Item 1 installation			9,827.82	18	176,900.76			General Terms & Conditions					
Item 2 FC-500A**, 15kV, 2000 Amps, 500 MVA, MOC			16,014.70	9	144,132.30								
Item 2 installation			24,022.06	9	216,198.54								
Total cost					950,000.40								
Powell - non-responsive								no					
Item 1 FC-500A, 15kV, 1200 Amps, 500 MVA, MOC				18	0.00	<u>Purchasing Notes:</u>							
Item 1 installation				18	0.00	Bid forms were not filled out.							
Item 2 FC-500A**, 15kV, 2000 Amps, 500 MVA, MOC				9	0.00								
Item 2 installation				9	0.00								
Total cost					0.00								

Jeanne Foti

From: Jeanne Foti
Sent: Friday, July 24, 2015 8:21 AM
To: RMLD Board Members Group
Subject: Account Payable and Payroll Questions

Good morning.

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

Account Payable Warrant – No Questions

June 19, June 26, July 3 and July 10

Payroll – No Questions

June 29 and July 13.

This e-mail will be printed for the Board Packet for the RMLD Board meeting on July 30, 2015.

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

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

Please consider the environment before printing this e-mail.

Jeanne Foti

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

Categories: Blue Category

Good afternoon:

The following are questions on the Payroll:

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

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

Stand by Pays:

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

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

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

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

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

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

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

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

If you have any questions, please call me.

Coleen M. O'Brien

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

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

July-15

	RESIDENTIAL 750 kWh's	RESIDENTIAL-TOU 1500 kWh's 75/25 Split	RES. HOT WATER 1000 kWh's	COMMERCIAL 7,300 kWh's 25.000 kW Demand	SMALL COMMERCIAL 1,080 kWh's 10.000 kW Demand	SCHOOL RATE 35000 kWh's 130.5 kW Demand	INDUSTRIAL - TOU 109,500 kWh's 250,000 kW Demand 80/20 Split
READING MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$107.22	\$185.83	\$131.18	\$943.04	\$183.47	\$4,422.58	\$715,073.72
PER KWH CHARGE	\$0.14296	\$0.12389	\$0.13118	\$0.12918	\$0.16988	\$0.12636	\$0.10394
NATIONAL GRID							
TOTAL BILL	\$128.23	\$250.68	\$170.97	\$1,284.84	\$184.71	\$5,026.87	\$843,563.59
PER KWH CHARGE	\$0.17098	\$0.16712	\$0.17097	\$0.17601	\$0.17103	\$0.14362	\$0.12262
% DIFFERENCE	19.59%	34.90%	30.33%	36.24%	0.68%	13.66%	17.97%
EVERSOURCE(NSTAR)							
TOTAL BILL	\$144.18	\$284.78	\$190.10	\$1,497.67	\$211.31	\$7,259.45	\$905,682.70
PER KWH CHARGE	\$0.19224	\$0.18985	\$0.19010	\$0.20516	\$0.19566	\$0.20741	\$0.13165
% DIFFERENCE	34.47%	53.24%	44.92%	58.81%	15.18%	64.15%	26.66%
PEABODY MUNICIPAL LIGHT PLANT							
TOTAL BILL	\$91.82	\$177.33	\$120.32	\$987.06	\$148.19	\$4,875.83	\$672,170.80
PER KWH CHARGE	\$0.12242	\$0.11822	\$0.12032	\$0.13521	\$0.13722	\$0.13931	\$0.09770
% DIFFERENCE	-14.37%	-4.57%	-8.28%	4.67%	-19.23%	10.25%	-6.00%
MIDDLETON MUNICIPAL LIGHT DEPT.							
TOTAL BILL	\$99.77	\$198.39	\$132.64	\$959.51	\$168.44	\$4,762.93	\$807,171.40
PER KWH CHARGE	\$0.13303	\$0.13226	\$0.13264	\$0.13144	\$0.15596	\$0.13608	\$0.11733
% DIFFERENCE	-6.95%	6.76%	1.12%	1.75%	-8.19%	7.70%	12.88%
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	18.20%	26.95%	21.50%	27.54%	4.48%	27.71%	33.69%