

RMLD



Reading Municipal Light Department
RELIABLE POWER FOR GENERATIONS

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AGENDA

REGULAR SESSION

READING MUNICIPAL LIGHT DEPARTMENT CITIZENS' ADVISORY BOARD (CAB) MEETING

WEDNESDAY, MARCH 13, 2013

6:30 P.M.

at

230 Ash Street

Reading, MA 01867

Winfred Spurr/Audio Visual Room

1. Call Meeting to Order – J. Norton, Chairman
2. Approval of January 23, 2013, Regular Session Minutes – J. Norton, Chairman
3. January 2013 Financials – B. Fournier
4. January 2013 Engineering & Operations Report – K. Sullivan
5. January 2013 Energy Services Report – J. Parenteau
6. Other Items for Discussion – J. Norton, Chairman
7. Schedule of Upcoming Meetings – J. Norton, Chairman
 - April 3 and 10 (Budget Meetings)
8. Executive Session

Suggested Motion: MOVE that the CAB go into Executive Session based on Chapter 164, Section 47D, exemption from public records and open meeting requirements in certain instances, to approve the January 23, 2013, Executive Session Minutes, and return to regular session for the sole purpose of adjournment. *Note: Roll call vote required.*
9. Adjournment

This Agenda has been prepared in advance and does not necessarily include all matters, which may be taken up at this meeting.

Upcoming RMLD Board of Commissioners Meeting:

Wednesday, March 27, 2013 – CAB Representative: Mr. George Hooper

**READING MUNICIPAL LIGHT DEPARTMENT
CITIZENS' ADVISORY BOARD (CAB) MEETING**

**MINUTES
Regular Session**

Time: 6:30 P.M.
Date: Wednesday, January 23, 2013
Place: RMLD, 230 Ash Street, Reading, MA, General Manager's Conference Room

CAB Members Present:

Mr. Tony Capobianco (Reading), Mr. George Hooper (Wilmington), Mr. David Nelson (Lynnfield), Mr. John Norton, Chairman (North Reading)

CAB Members Absent:

Mr. Tom Ollila (Wilmington)

RMLD Commissioners Present:

None

RMLD Staff Present:

Ms. Paula O'Leary, Ms. Jane Parenteau, Ms. Kathleen Rybak, Mr. Kevin Sullivan

Public Present:

Mr. Jared Carpenter

1. Call Meeting to Order – J. Norton, Chairman

Chairman Norton called the meeting to order at 6:30 p.m.

2. Approval of Minutes – J. Norton, Chairman

Chairman Norton asked for a motion on the minutes presented in the Agenda packet.

Mr. Hooper made a motion to approve the minutes of the May 16, 2012, meeting, seconded by Mr. Nelson. Hearing no further discussion, ***Motion carried 4:0.***

Mr. Hooper made a motion to approve the minutes of the June 12, 2012, meeting, seconded by Mr. Nelson. Hearing no further discussion, ***Motion carried 4:0.***

Mr. Hooper made a motion to approve the minutes of the October 17, 2012, meeting, seconded by Mr. Capobianco. Hearing no further discussion, ***Motion carried 4:0.***

Mr. Nelson made a motion to approve the minutes of the November 7, 2012, meeting, seconded by Mr. Hooper. Hearing no further discussion, ***Motion carried 4:0.***

3. Discussion on Use of LED Street Lights in North Reading – As members of the North Reading Board of Selectmen were not present, Mr. Sullivan suggested that the Agenda be taken out of order pending arrival of the Selectmen.

4. November 2012 Financials – K. Sullivan

Mr. Sullivan reviewed the year-to-date financials for the month ending November 30, 2012, as presented in the Agenda packet. Mr. Hooper asked what contributed to the O&M overage of \$104,000. Mr. Sullivan did not have the answer available, but will get that answer to the Board.

5. November 2012 Reliability Report – K. Sullivan

Mr. Sullivan reviewed the November Engineering and Operations report as presented in the Agenda packet. Of note on the Reliability Report was an increase in the monthly CAIDI average due to an outage just before 1:30 a.m. on November 13 caused by tree contact. Nine hundred of the 960 customer outages for the month were the result of this incident, which drove the CAIDI number up. Mr. Sullivan reported that due to the attention paid to system reliability, the RMLD is now able to concentrate on smaller and smaller outages as we go through time. SAIFI continues to decline, with basically one outage incident every three years for the average customer. The RMLD meter upgrade project is at 24,000 meters replaced through January. The RMLD began obtaining monthly reads for billing through the fixed network project during the month of January. The commercial meter upgrade project will begin in February. The expectation is that the residential upgrade project will be finished sometime in March.

There were no storm or heat events in November. There were a total of 187 calls for the month, five outage incidents, with 960 customers affected by outages. The incident mentioned earlier affected 900 customers. Feeder outages were zero (0), area outages four (4), and one (1) service outage was reported.

Mr. Nelson asked about Item 1 on the Engineering & Operations report: Reconductoring on Essex Street – no activity noted. Mr. Sullivan reported that the project has not yet begun. Mr. Nelson asked about Item 3: Is there work in progress that will restart soon? Mr. Sullivan reported that this will begin again in spring; the project has to go out to bid and a site contractor selected. Mr. Nelson asked about Hazmat/Oil Spills (page 2): The amount is zero; have there been no oil spills? Mr. Sullivan reported that where to put the value when there is a storm like hurricane Sandy is difficult. There is a significant dollar amount resulting in the spill that occurred between the North Reading and Lynnfield border of the Ipswich River Pumping Station. Those dollars went into a different account to be earmarked in anticipation of a possible FEMA claim.

Mr. Carpenter, who was in the audience as a rate-payer, asked whether the hazmat soil was tested. Mr. Sullivan responded yes. Mr. Carpenter asked what it was. Mr. Sullivan responded that it was NON-PCB. Mr. Carpenter wanted to know exactly what it was. Mr. Sullivan stated that he did not have that information available. Mr. Carpenter asked if he could get that information. Mr. Sullivan responded that he would investigate and obtain an answer. Mr. Carpenter then asked about the time-frame for commercial meters and will they be automatically read? Mr. Sullivan responded that they will be automatically read. The expectation is that as the days are cold, we are going to begin installations. Mr. Carpenter asked, for large and small customers? Mr. Sullivan said he was not sure. RMLD has not gotten that deep into the project, but the expectation is that we will perform the inside tasks as opposed to the outside tasks with the residential customers on days like today (cold weather). Mr. Carpenter asked what the plan is for the larger customers. Mr. Sullivan responded that larger customers will most likely need outages so that needs to be figured in. Mr. Carpenter asked, will they be automatically read? Mr. Sullivan responded that all customers will be automatically read on the system. Mr. Carpenter asked for the time-frame of completion. Mr. Sullivan reported that his expectation is that it will be complete by the end of June. Mr. Carpenter asked if that is something that is being released to customers who are asking. Mr. Sullivan responded that it hasn't been brought up. If there are outages and RMLD needs to coordinate with customers for outages, things can change.

6. Rotation Schedule for Attendance at RMLD Board Meetings – J. Norton, Chairman

Chairman Norton noted that Mr. Nelson would be covering the January meeting. The group went through months and assigned representation for each month in 2013. February, Mr. Capobianco; March, Mr. Hooper; April, Mr. Nelson; May, Chairman Norton; June, Chairman Norton, July, Mr. Hooper; August, Mr. Capobianco, September, Chairman Norton; October, Mr. Nelson, November and December, Mr. Ollila.

7. Other Items for Discussion:

Mr. Capobianco noted that he was scheduled to cover the last RMLD Board meeting, but needed to cancel at the very last minute due to work constraints. Mr. Capobianco apologized for the late cancellation.

Mr. Nelson noted that it is his understanding that the RMLD Board of Commissioners is going to start getting monthly updates on REC's. He would also like to have a CAB update on REC's. Mr. Sullivan agreed to look into it. Mr. Nelson acknowledged that the Chairman sets the Agenda, but wondered about the process for any other member who may want to add a topic to the Agenda. Chairman Norton confirmed that members should notify Ms. Rybak who will in turn notify him. Mr. Nelson noted that in the CAB handbook there is a Policy 1 and Policy 2 for the CAB. One was created in 1998 and the other in 2004. Mr. Nelson wondered if there was any need to look at those policies to see if they are still applicable, or if no changes, update them to indicate that they were reviewed. Chairman Norton also noted that the CAB handbook includes an index of personnel and their telephone numbers, and asked that an updated list be distributed to CAB members. Mr. Nelson asked if someone from the RMLD could attend a Lynnfield Board of Selectmen meeting to talk about the REC's and their status (maybe in a month or two). Mr. Sullivan said the Interim General Manager and maybe someone from Energy Services would be available to attend. Mr. Nelson then asked for an update on the General Manager search. Mr. Hooper reported that there has not been much change; they are still exploring a few things.

Mr. Hooper noted that some of the information pertaining to the REC's is included in the Commissioners' Meeting Minutes provided to the CAB and that these items can be discussed at the CAB meetings.

Ms. Parenteau responded to Mr. Nelson's question regarding the REC's. She reported that part of the power supply report that she presents to the Board of Commissioners includes a recap of REC's. Ms. Parenteau stated that she would be happy to provide this report as well as any other information he may want.

Mr. Carpenter asked if Lynnfield was just interested in the REC's or if they were interested in exploring solar options. Mr. Nelson will follow-up to see if there is an interest in solar, and incorporate this with the RMLD discussion of REC's if appropriate.

8. Schedule of Upcoming Meetings – J. Norton, Chairman:

Chairman Norton reported that there will be two budget sessions in April (the 3rd and 10th). The first will be held in North Reading as per a set rotation and the 25-year agreement which requires the first budget meeting be held outside of Reading. As there are no pressing matters, the group agreed not to meet in February. The March meeting will be held on March 13.

Return to Item 3: Discussion of LED Street Lights in North Reading – K. Sullivan

Chairman Norton apologized that the Board of Selectmen were not present. Mr. Sullivan presented the comparative analysis included in the Agenda packet. Mr. Sullivan reported that this is intended as a framework of information for discussion, not a comprehensive analysis. The information is based on estimates and limited historical data. In summary, Mr. Sullivan stated that he feels the time necessary to remove the HPS fixture and reinstall LED is considered to be about two hours per fixture, which is equal to re-lamping the HPS fixture twice (or two maintenance cycles). The analysis of cost benefit on a one-to-one basis is essentially dependent upon the cost to purchase the fixtures versus the energy savings for the LED fixture and how many years it would take for that to come down to a zero point. In summary, if something like this were to be looked at more closely, the decision would have to be made by North Reading, who would make the purchase of the fixtures, how many fixtures would be bought, and how it would impact the overall price and the final decision. Discussion ensued.

Mr. Sullivan asked to recognize Ms. O'Leary, as this is her last CAB meeting. Ms. O'Leary has been with the CAB for quite some time and has done a wonderful job. The Board members agreed and thanked Ms. O'Leary for her years of service.

9. Executive Session - J. Norton, Chairman

Mr. Hooper made a motion that the CAB go into Executive Session based on Chapter 164, Section 47D, exemption from public records and open meeting requirements in certain instances, to approve the release of Executive Session Minutes and then return to regular session, seconded by Mr. Nelson.

Motion carried 4:0 by a poll of members present: Mr. Nelson, aye; Mr. Capobianco, aye; Mr. Hooper, aye; Chairman Norton, aye.

10. Return to Regular Session for the Purpose of Releasing Executive Session Minutes – J. Norton, Chairman

Mr. Hooper made a motion to return to Regular Session, seconded by Mr. Nelson. Hearing no further discussion, ***Motion carried 4:0 by a poll of members present:*** Mr. Nelson, aye; Mr. Capobianco, aye; Mr. Hooper, aye; Chairman Norton, aye. **Returned to Regular Session at 7:22 p.m.**

11. Motion to Release Executive Session Minutes – J. Norton, Chairman

Mr. Hooper made a motion to release the Executive Session minutes from 2006, 2007, 2008, 2009, and 2010, with the exception of July 12, 2010, seconded by Mr. Nelson. Hearing no further discussion, **Motion carried 4:0.**

12. Motion to Adjourn – J. Norton, Chairman

Motion to Adjourn made by Mr. Hooper, seconded by Mr. Nelson. Hearing no further discussion, **Motion carried 4:0.**

Meeting adjourned at 7:25 p.m.

Respectfully submitted,

John Norton, Chairman

Minutes approved on: _____

2/22/2013
8:09 AM

READING MUNICIPAL LIGHT DEPARTMENT
FY 13 CAPITAL BUDGET VARIANCE REPORT
FOR PERIOD ENDING JANUARY 31, 2013

#	PROJECT DESCRIPTION	TOWN	ACTUAL COST JANUARY	YTD ACTUAL COST THRU 1/31/13	ANNUAL BUDGET AMOUNT	REMAINING BALANCE
<u>E&O Construction-System Projects</u>						
1	Essex Street - Reconductoring	LC		200	197,855	197,655
2	4W13 OH Reconductoring - West Street	W	1,594	14,289	188,193	173,904
3	Upgrading of Old Lynnfield Center URDs (Partial CARRYOVER)	LC	133	121,288	492,143	370,855
5	Shady Lane Area - Reconductoring	W	31,192	64,724	199,042	134,318
6	Federal Street - Reconductoring	W	56,657	57,520	175,565	118,045
Total System Projects						
<u>Station Upgrades</u>						
Station #4						
8	Relay Replacement Project - (Partial CARRYOVER)	R			119,309	119,309
9	Station 4 Getaway Replacement - 4W13	R		4,430	161,779	157,349
Total Station Projects						
<u>SCADA Projects</u>						
10	Station 5 RTU (Remote Terminal Unit) Replacement	W			56,163	56,163
4	Station 4 RTU (Remote Terminal Unit) Replacement (Partial CARRYOVER)	R	30,155	148,888	80,653	(68,235)
Total SCADA Projects						
<u>New Customer Service Connections</u>						
12	Service Installations-Commercial/Industrial Customers	ALL		6,574	63,074	56,500
13	Service Installations - Residential Customers	ALL	26,769	135,404	207,923	72,519
Total Service Connections						
14	<u>Routine Construction</u>					
	Various Routine Contruction	ALL	102,507	1,131,723	988,211	(143,512)
Total Construction Projects			249,007	1,685,041	2,929,910	1,244,870
<u>Other Projects</u>						
15	GIS		10,610	56,821	97,495	40,674
16	Transformers/Capacitors Annual Purchases		103,410	246,334	284,000	37,666
17A	Meter Annual Purchases			54,141	49,710	(4,431)
17B	Meter Upgrade Project - (Partial CARRYOVER)		30,845	463,927	564,416	100,488
17C	Meter Upgrade Project - Commercial		298,198	417,069	551,853	134,785
18	Purchase Vehicles				65,000	65,000
19	Purchase Line Department Vehicles			474,861	570,000	95,139
20	Purchase New Pole Dolly				12,000	12,000
21	Automated Building Systems				150,000	150,000
22	Engineering Analysis software & data conversion - (CARRYOVER)				76,789	76,789
23	Gaw Station Generator				55,000	55,000
24	Capital Repairs - Station One				400,000	400,000
25	New Carpeting				35,000	35,000
26	Water Heater Demand Response Technology			190,614	336,611	145,997
27	Hardware Upgrades		12,308	64,357	126,629	62,277
28	Software and Licensing		14,512	79,315	119,002	39,685
Total Other Projects			469,883	2,047,439	3,493,505	1,446,066
TOTAL FY 13 CAPITAL PROJECT EXPENDITURES			718,890	3,732,480	6,423,416	2,690,936

**Reading Municipal Light Department
Engineering and Operations
Monthly Report
January 2013**

FY 2013 Capital Plan

E&O Construction – System Projects

- 1 Reconductoring of Essex Street, Lynnfield Center – *No Activity.***
- 2 4W13 OH Reconductoring Project, West Street, Wilmington – *Engineering Labor.***
- 3 Upgrading of Old Lynnfield Center URDs – *(Phase 1 Completed). Engineering Labor: work on specifications for Phase 2.***
- 5 Shady Lane Drive Area, Wilmington – Reconductoring – *Line Department: Continued make-ready work. Installed poles, and primary and secondary cable. Energized new secondaries.***
- 6 Federal Street, Wilmington – Reconductoring – *Line Department: Pole framing and wiring for reconductoring. Engineering Labor.***

Station Upgrades

- 8 Station 4 Relay Replacement Project – Reading – *No Activity.***
- 9 Station 4 Getaway Replacement – 4W13 – *No Activity.***

SCADA Projects

- 10 Station 5 RTU Replacement, Wilmington – *No Activity.***
- 4 Station 4 RTU Replacement – *Engineering and Senior Tech labor.***

New Customer Service Connections

- 12 Service Installations – Commercial/Industrial Customers – This item includes new service connections, upgrades, and service replacements for the commercial and industrial customers. This represents the time and materials associated with the replacement of an existing or installation of a new overhead service, the connection of an underground service, etc. This does not include the time and materials associated with pole replacements/installations, transformer replacements/installations, primary or secondary cable replacements/installations, etc. This portion of the project comes under routine construction. *No Activity.***

- 13 **Service Installations – Residential Customers** – This item includes new or upgraded overhead and underground services, temporary overhead services, and large underground development.

Routine Construction:

- 14 **Routine Construction** – The drivers of the Routine Construction budget category YTD are listed. This is not an inclusive list of all items within this category.

<i>Pole Setting/Transfers</i>	\$242,937
<i>Maintenance Overhead/Underground</i>	\$232,254
<i>Projects Assigned as Required</i>	\$206,426
<i>Pole Damage (includes knockdowns) some reimbursable</i>	\$64,446
<i>Station Group</i>	\$14,199
<i>Hazmat/Oil Spills</i>	\$0
<i>Porcelain Cutout Replacement Program</i>	\$0
<i>Lighting (Street Light Connections)</i>	\$17,292
<i>Storm Trouble</i>	\$132,037
<i>Underground Subdivisions</i>	\$43,848
<i>Animal Guard Installation</i>	\$31,440
<i>Miscellaneous Capital Costs</i>	\$146,843
TOTAL	\$1,131,723

*In the month of January, zero (0) cutouts were charged under this program. Approximately 17 cutouts were installed new or replaced because of damage making a total of 17 cutouts replaced this month.

Reliability Report

Two key industry standard metrics have been identified to enable the RMLD to measure and track system reliability. A rolling 12-month view is being used for the purposes of this report.

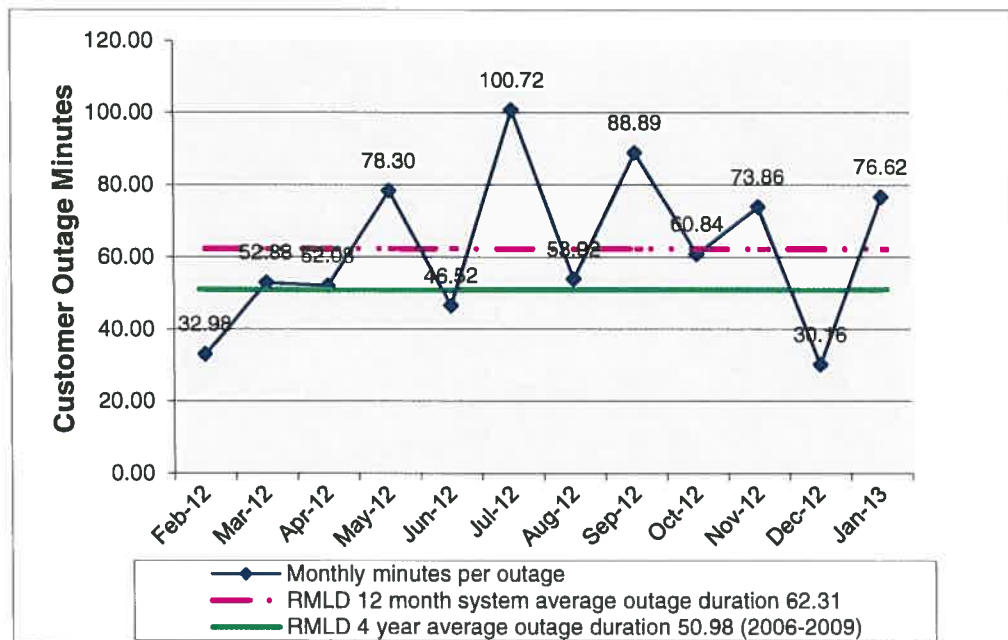
Customer Average Interruption Duration Index (CAIDI) measures how quickly the RMLD restores power to customers when their power goes out.

CAIDI = Total of Customer Interruption Duration for the Month in Minutes ÷ Total Number of Customers Interrupted.

RMLD 12-month system average outage duration: 62.31 minutes

RMLD four-year average outage (2006-2009): 50.98 minutes per outage

On average, RMLD customers that experience an outage are restored in 62.31 minutes.



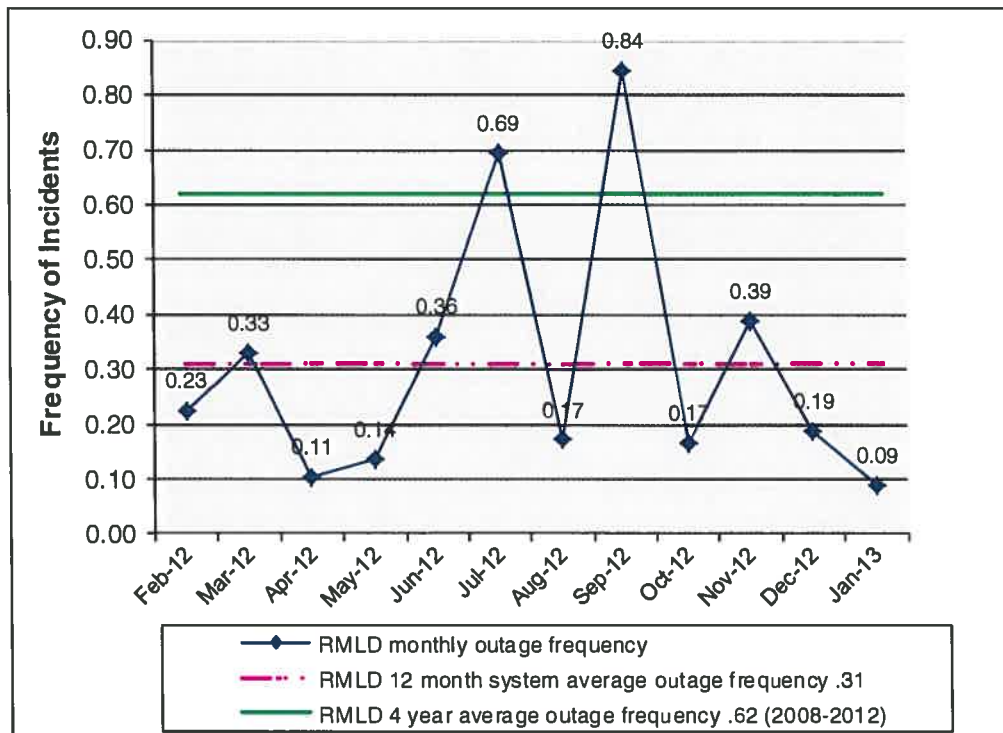
System Average Interruption Frequency (SAIFI) – Measures how many outages each customer experiences per year on average.

$$\text{SAIFI} = \text{Total Number of Customers Interrupted} \div \text{Total Number of Customers}$$

RMLD 12-month system average: 0.31 outages per year

RMLD four-year average outage frequency: 0.62

The graph below tracks the month-by-month SAIFI performance.



Months Between Interruptions (MBTI)

Another view of the SAIFI data is the number of months RMLD customers have no interruptions. At this time, the average RMLD customer experiences an outage approximately every 38.7 months.

To: Vincent Cameron

From: Energy Services

Date: February 21, 2013

Subject: Purchase Power Summary – January, 2013

Energy Services Division (ESD) has completed the Purchase Power Summary for the month of January, 2013 with estimated values for the MMWEC projects and NYPA billing.

ENERGY

The RMLD's total metered load for the month was 60,727,318 kwh, which is a 2.1% increase from the January, 2012 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	3,713,529	\$6.99	6.10%	\$25,958	0.88%
Seabrook	5,897,342	\$8.32	9.69%	\$49,066	1.66%
Stonybrook Intermediate	3,503,233	\$67.00	5.76%	\$234,717	7.93%
JP Morgan	9,354,800	\$58.55	15.37%	\$547,677	18.50%
NextEra	9,502,000	\$69.51	15.61%	\$660,453	22.31%
NYPA	1,940,647	\$4.92	3.19%	\$9,548	0.32%
ISO Interchange	3,541,386	\$59.95	5.82%	\$212,291	7.17%
NEMA Congestion	0	\$0.00	0.00%	-\$77,791	-2.63%
Coop Resales	122,685	\$110.90	0.20%	\$13,606	0.46%
MacQuarie	9,200,000	\$38.41	15.11%	\$353,349	11.94%
Summit Hydro	994,950	\$55.61	1.63%	\$55,332	1.87%
Braintree Watson Unit	481,029	\$129.32	0.79%	\$62,208	2.10%
Swift River Projects	1,529,467	\$99.78	2.51%	\$152,613	5.16%
Constellation Energy	11,048,400	\$59.21	18.15%	\$654,143	22.10%
Stonybrook Peaking	37,314	\$175.00	0.06%	\$6,530	0.22%
Monthly Total	60,866,782	\$48.63	100.00%	\$2,959,699	100.00%

Table 2 breaks down the ISO interchange between the DA LMP Settlement and the RT Net Energy for the month of January, 2013.

Table 2

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP *	6,320,346	85.31	10.38%
Settlement			
RT Net Energy **	-2,778,961	74.34	-4.57%
Settlement			
ISO Interchange (subtotal)	3,541,386	59.95	5.82%

* Independent System Operator Day-Ahead Locational Marginal Price

** Real Time Net Energy

CAPACITY

The RMLD hit a demand of 108,799 kW, which occurred on January 23, at 7 pm. The RMLD's monthly UCAP requirement for January, 2013 was 211,827 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	4,991	51.67	\$257,885	16.92%
Seabrook	7,742	51.02	\$394,997	25.91%
Stonybrook Peaking	24,981	1.79	\$44,628	2.93%
Stonybrook CC	42,925	3.69	\$158,202	10.38%
NYP&A	4,019	3.57	\$14,348	0.94%
Hydro Quebec	4,584	4.70	\$21,550	1.41%
Nextera	60,000	5.50	\$330,000	21.65%
Braintree Watson Unit	10,520	11.01	\$115,836	7.60%
ISO-NE Supply Auction	52,065	3.59	\$186,771	12.25%
Total	211,827	\$7.20	\$1,524,216	100.00%

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

Resource	Table 4					Cost of Power (\$/kWh)
	Energy	Capacity	Total cost	% of Total Cost	Amt of Energy (kWh)	
Millstone #3	\$25,958	\$257,885	\$283,843	6.33%	3,713,529	0.0764
Seabrook	\$49,066	\$394,997	\$444,063	9.90%	5,897,342	0.0753
Stonybrook Intermediate	\$234,717	\$158,202	\$392,919	8.76%	3,503,233	0.1122
Hydro Quebec	\$0	\$21,550	\$21,550	0.48%	-	0.0000
JP Morgan	\$547,677	\$0	\$547,677	12.21%	9,354,800	0.0585
NextEra	\$660,453	\$330,000	\$990,453	22.09%	9,502,000	0.1042
* NYPA	\$9,548	\$14,348	\$23,896	0.53%	1,940,647	0.0123
ISO Interchange	\$212,291	\$186,771	\$399,062	8.90%	3,541,386	0.1127
Nema Congestion	-\$77,791	\$0	-\$77,791	-1.73%	-	0.0000
MacQuarie	\$353,349	\$0	\$353,349	7.88%	9,200,000	0.0384
* Summit Hydro	\$55,332	\$0	\$55,332	1.23%	994,950	0.0556
Braintree Watson Unit	\$62,208	\$115,836	\$178,044	3.97%	481,029	0.3701
* Swift River Projects	\$152,613	\$0	\$152,613	3.40%	1,529,467	0.0998
Coop Resales	\$13,606	\$0	\$13,606	0.30%	122,685	0.1109
Constellation Energy	\$654,143	\$0	\$654,143	14.59%	11,048,400	0.0592
Stonybrook Peaking	\$6,530	\$44,628	\$51,158	1.14%	37,314	1.3710
Monthly Total	\$2,959,699	\$1,524,216	\$4,483,915	100.00%	60,866,782	0.0737
* Renewable Resources					7.34%	

RENEWABLE ENERGY CERTIFICATES (RECs)

The RMLD sold 12,613 2012 RECs (Quarter 1 and Quarter 2) for \$582,097.75 in January, 2013. 750 Quarter 1 and 2 RECs remain banked for retirement.

Table 5 shows the amount of banked and projected RECs for the Swift River Hydro Projects through January, 2013, as well as their estimated market value.

Table 5 Swift River RECs Summary Period - January 2012 - January 2013				
	Banked RECs	Projected RECs	Total RECs	Est. Dollars
Woronoco	394	1,465	1,859	\$67,390
Pepperell	384	0	384	\$20,352
Indian River	92	737	829	\$39,061
Turners Falls	751	0	751	\$0
Grand Total	1,621	2,202	3,823	\$126,803

TRANSMISSION

The RMLD's total transmission costs for the month of January were \$754,966. This is an increase of 2.2% from the December transmission cost of \$738,628. In January, 2012 the transmission costs were \$638,899.

Table 6

	Current Month	Last Month	Last Year
Peak Demand (kW)	108,799	108,921	106,558
Energy (kWh)	60,866,782	59,364,911	59,550,250
Energy (\$)	\$2,959,699	\$2,868,713	\$3,338,331
Capacity (\$)	\$1,524,216	\$1,528,363	\$1,337,348
Transmission (\$)	\$754,966	\$738,628	\$638,899
Total	\$5,238,881	\$5,135,703	\$5,314,578

ENERGY EFFICIENCY

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

Commercial	Year	Capacity Saved (kW)		Energy Saved (kwh)		Total \$		Total		Total \$		Rebate		Rebate/kWh		Rebate/kW		Cost Benefit	
		QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars
Total to date	FY07-12			7,597		32,257,914	\$ 664,001		188,1637		\$ 1,030,984		\$ 0.03		\$ 135.72		\$ 1,514,655		
Current	FY13			1069		4,487,052	\$ 115,504		179,482		\$ 324,066		\$ 0.04		\$ 303.01		\$ (29,080)		
Residential																			
Total to date	FY07-12			1,157		1,470,901	\$ 104,014		76,829		\$ 423,996		\$ 0.29		\$ 366.41		\$ (243,152.40)		
Current	FY13			112		80,633	\$ 12,144		3,225		\$ 82,790		\$ 1.03		\$ 736.29		\$ (67,421)		
Total																			
Total to date	FY07-12			8,754		33,728,815	\$ 768,016		1,958,467		\$ 1,479,980		\$ 0.04		\$ 169.07		\$ 1,246,502.51		
Current	FY13			1,182		4,567,685	\$ 127,648		182,707		\$ 406,856		\$ 0.09		\$ 344.23		\$ (96,501)		

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

Year	Washing Machine		Refrigerator		Dishwasher		Dehumidifier		Central A/C		Window A/C		Thermostat		Audits		Renewable		HP Water Heater		Fan	
	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars	QTY	Dollars
2007																						
2008	86	\$ 4,300	47	\$ 2,350	55	\$ 2,750	7	\$ 175	17	\$ 1,700	10	\$ 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	179	\$ 8,950	226	\$ 11,300	194	\$ 9,700	19	\$ 475	16	\$ 1,600	41	\$ 1,025	38	\$ 380	27	\$ 5,400	0	\$ -	3	\$ 750	1	\$ 10
Total	1954	\$ 97,700	1640	\$ 82,000	1468	\$ 73,400	188	\$ 4,700	239	\$ 23,900	271	\$ 6,775	525	\$ 5,250	704	\$ 103,931	13	\$ 52,700	12	\$ 3,000	4	\$ 40