

**READING MUNICIPAL  
LIGHT DEPARTMENT**

**BOARD  
OF  
COMMISSIONERS**

**REGULAR SESSION**

**JANUARY 28, 2016**

READING MUNICIPAL LIGHT DEPARTMENT  
BOARD OF COMMISSIONERS MEETING

230 Ash Street  
Reading, MA 01867  
January 28, 2016  
7:30 p.m.

1. Call Meeting to Order
2. Opening Remarks
3. Introductions
4. Public Comment
  - RMLD Citizens' Advisory Board
  - Liaisons to RMLD Board
  - Public Comment
5. Report RMLD Board Member Attendance at RMLD Citizens' Advisory Board Meeting

Note: Vice Chair Talbot attended the CAB meeting on January 13, 2016.
6. General Manager's Report – Ms. O'Brien
  - a. Home Electrical Safety Update
7. Power Supply Report – November and December 2015 – Ms. Parenteau (Attachment 1)
8. Engineering and Operations Report – November 2015 – (Attachment 2)
9. Financial Report – November and December 2015 – Mr. Fournier (Attachment 3)
10. Facilities Site Update – Mr. McGonagle
11. MGL Chapter 30B Bids (Attachment 4)

ACTION ITEM

- a. IFB 2016-01 Janitorial Services

Suggested Motion:

Move that bid 2016-01 for the Janitorial Services be awarded to TNT Cleaning Services, Inc. for \$92,826 as the lowest responsive qualified bidder on the recommendation of the General Manager. (This is a three year contract, award pricing is based on three years combined.)

- b. IFB 2016-15 Fiberglass Trench Covers for Substation 4

Suggested Motion:

Move that bid 2016-15 for Fiberglass Trench Covers for Substation 4 be awarded to WESCO for a total cost of \$108,000 as the lowest qualified bidder on the recommendation of the General Manager.

- c. IFB 2016-17 Single Phase Pole Mounted Transformers

Suggested Motion:

Move that bid 2016-17 for Single Phase Pole Mounted Transformers be awarded to WESCO for a total cost of \$105,400 as the lowest qualified bidder on the recommendation of the General Manager.

- d. IFB 2016-18 Three Phase Pole Mounted Transformers

Suggested Motion:

Move that bid 2016-18 for Three Phase Pole Mounted Transformers be awarded to Power Sales for a total cost of \$9,102, WESCO for a total cost of \$37,770, Stuart C Irby for a total cost of \$20,066 as the lowest qualified bidders on the recommendation of the General Manager.

11. MGL Chapter 30B Bids (Attachment 4)

e. IFB 2016-19 Single Phase Pad Mounted FR3 Transformers

Suggested Motion:

Move that bid 2016-19 for Single Phase Pad Mounted FR3 Transformers be awarded to WESCO for a total cost of \$119,910 as the lowest qualified bidder on the recommendation of the General Manager.

f. IFB 2016-21 Three Phase Pad Mounted Transformers (Dead Front)

Suggested Motion:

Move that bid 2016-21 for Three Phase Pad Mounted Transformers be awarded to Stuart C. Irby for a total cost of \$133,931 as the lowest qualified bidder on the recommendation of the General Manager.

g. IFB 2016-23 Category 4 Arc Rated FR Clothing Program

Suggested Motion:

Move that Bid 2016-23 for Category 4 Arc Rated FR Clothing Program be awarded to WESCO for a total cost of \$47,200.42 as the lowest qualified bidder on the recommendation of the General Manager.

12. General Discussion

**BOARD MATERIAL AVAILABLE BUT NOT DISCUSSED**

E-Mail responses to Account Payable/Payroll Questions  
Rate Comparisons, January 2016

RMLD Board Meetings

Thursday, February 25, 2016

Thursday, March 24, 2016

Policy Committee Meeting

Thursday, March 3, 2016

CAB Meetings

Wednesday, February 10, 2016, Regular Meeting

Wednesday, April 6, 2016, Operating Budget Review

Wednesday, April 13, 2016, Capital Budget Review

13. Executive Session

Suggested Motion:

Move that the Board go into Executive Session to discuss, Chapter 164 Section 47D exemption from public records and open meeting requirements to discuss confidential, competitively sensitive information, to discuss strategy with respect to collective bargaining and return to Regular Session for the sole purpose of adjournment.

**ACTION ITEM**

14. Adjournment

Suggested Motion:

Move to adjourn the Regular Session.

**ACTION ITEM**

# POWER SUPPLY REPORT ATTACHMENT 1



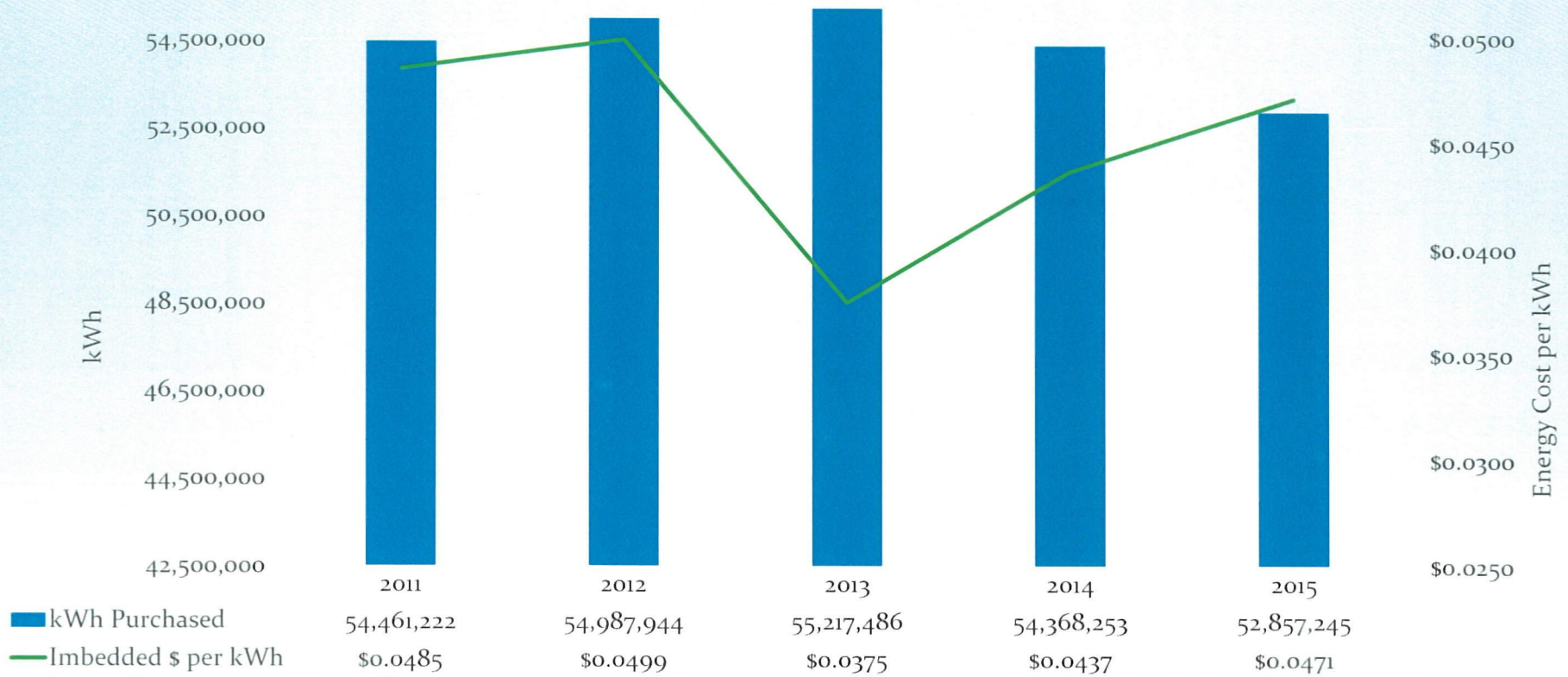
# Integrated Resources

JANUARY 28, 2016  
RMLD BOARD OF COMMISSIONERS MEETING  
REPORTING FOR PERIOD: NOVEMBER & DECEMBER 2015

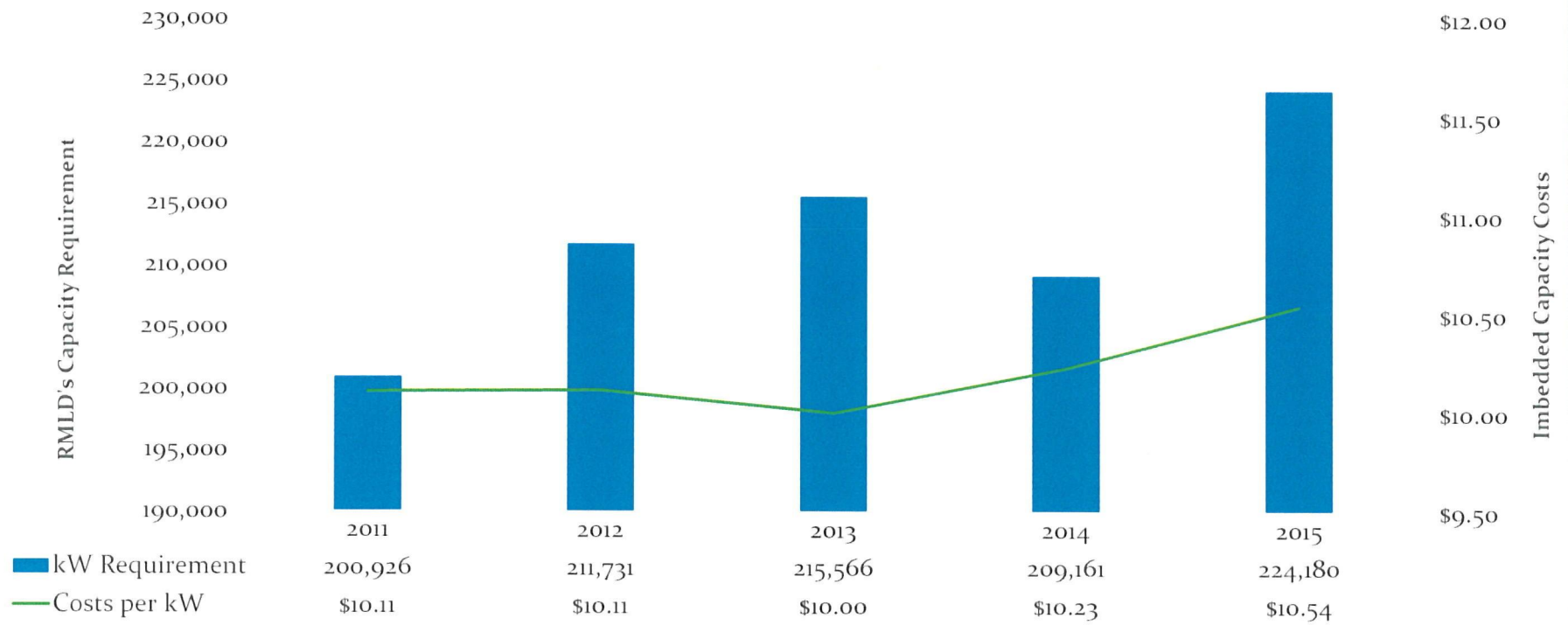
Jane Parenteau, Director of IRD



# Purchased kWh and Imbedded Energy Cost per kWh November 5 Year Period

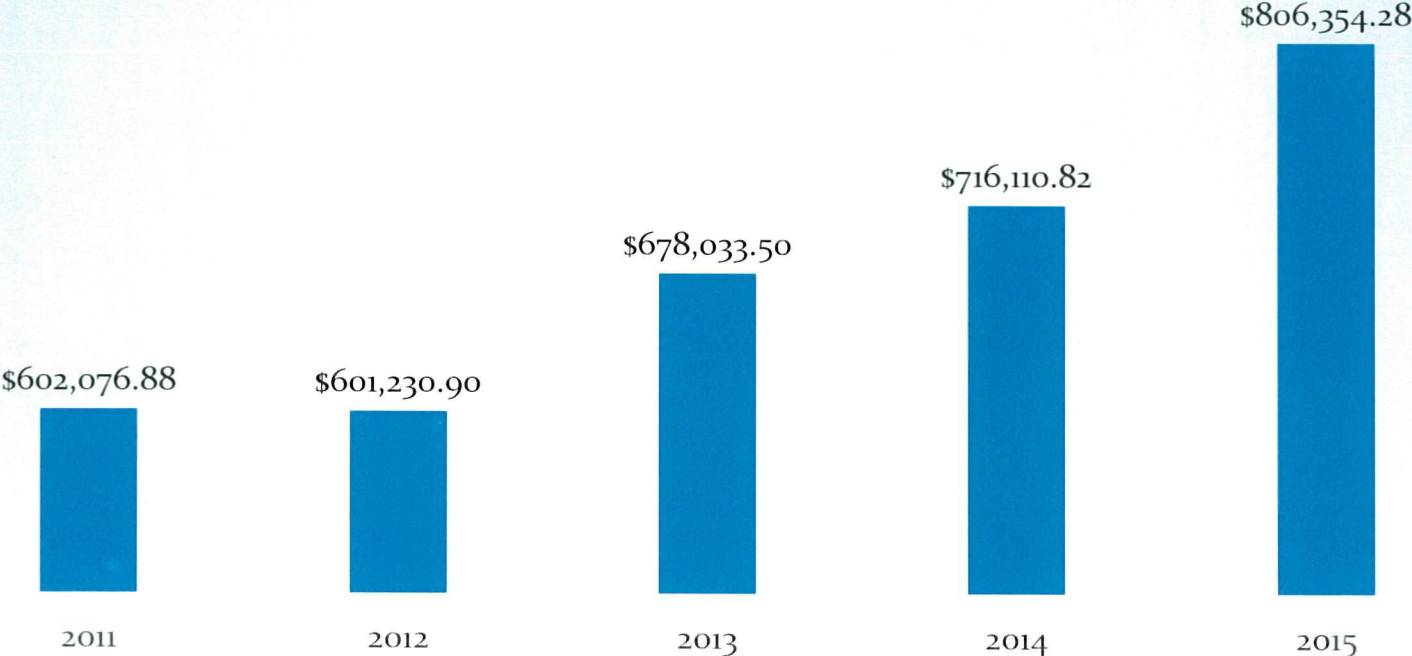


# Capacity Requirement and Imbedded Capacity Costs November 2011-2015

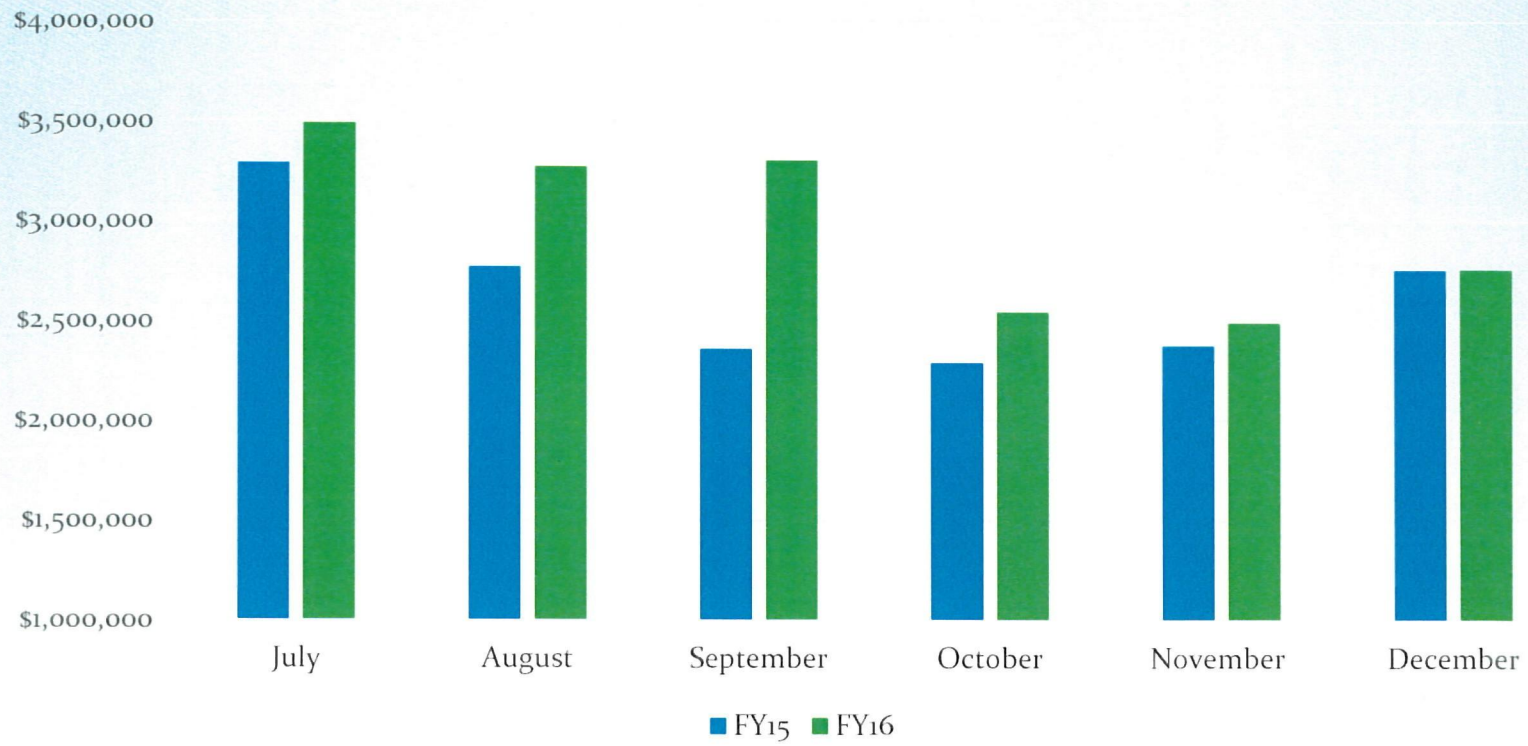




# Transmission Costs November 5 Year Period



## Energy Costs July through December FY 15 vs. FY 16



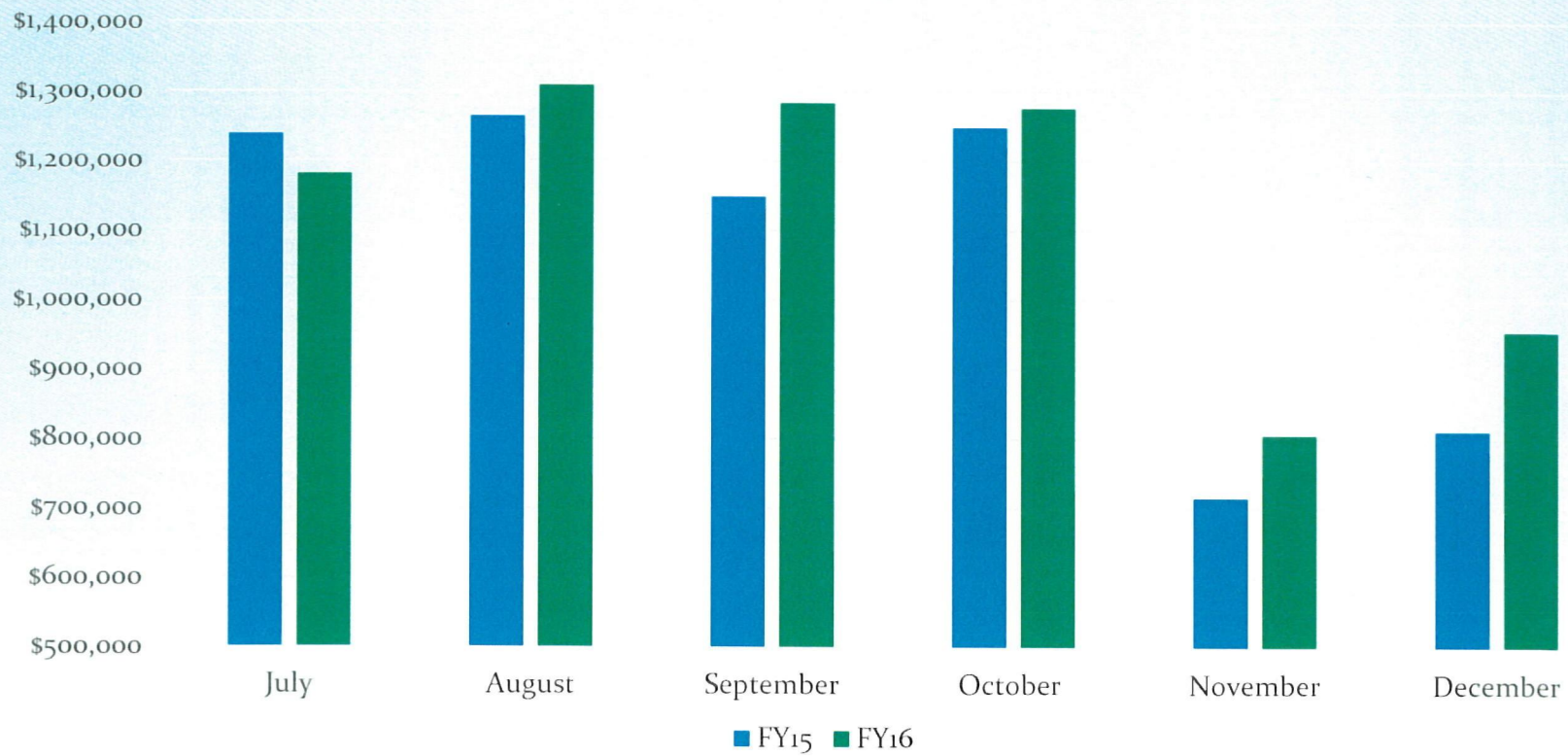


## Capacity Costs July through December FY15 vs. FY16





## Transmission Costs July through December FY 15 vs. FY 16





To: Coleen O'Brien

From:  Maureen McHugh, Jane Parenteau 

Date: January 8, 2015

Subject: Purchase Power Summary – November, 2015

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

### ENERGY

The RMLD's total metered load for the month was 52,592,655 kWh, which is a 3.21% decrease from the November, 2014 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	3,581,246	\$6.71	6.78%	\$24,030	0.97%
Seabrook	2,947,781	\$6.69	5.58%	\$19,709	0.79%
Stonybrook Intermediate	208,701	\$103.88	0.39%	\$21,680	0.87%
Shell Energy	10,807,750	\$70.33	20.45%	\$760,106	30.53%
NextEra	7,179,000	\$56.34	13.58%	\$404,497	16.25%
NYP&A	2,550,557	\$4.92	4.83%	\$12,549	0.50%
ISO Interchange	6,312,980	\$44.63	11.94%	\$281,778	11.32%
NEMA Congestion	0	\$0.00	0.00%	-\$46,848	-1.88%
Coop Resales	13,300	\$151.41	0.03%	\$2,014	0.08%
BP Energy	7,897,600	\$47.73	14.94%	\$376,952	15.14%
Hydro Projects*	1,178,021	\$93.34	2.23%	\$109,960	4.42%
Braintree Watson Unit	153,765	\$137.06	0.29%	\$21,074	0.85%
Saddleback Wind	1,583,528	\$94.99	3.00%	\$150,412	6.04%
One Burlington Solar	169,116	\$70.00	0.32%	\$11,838	0.48%
Exelon	8,273,900	\$41.07	15.65%	\$339,778	13.65%
Stonybrook Peaking	0	\$0.00	0.00%	\$18	0.00%
Monthly Total	52,857,245	\$47.10	100.00%	\$2,489,548	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 November, 2015.

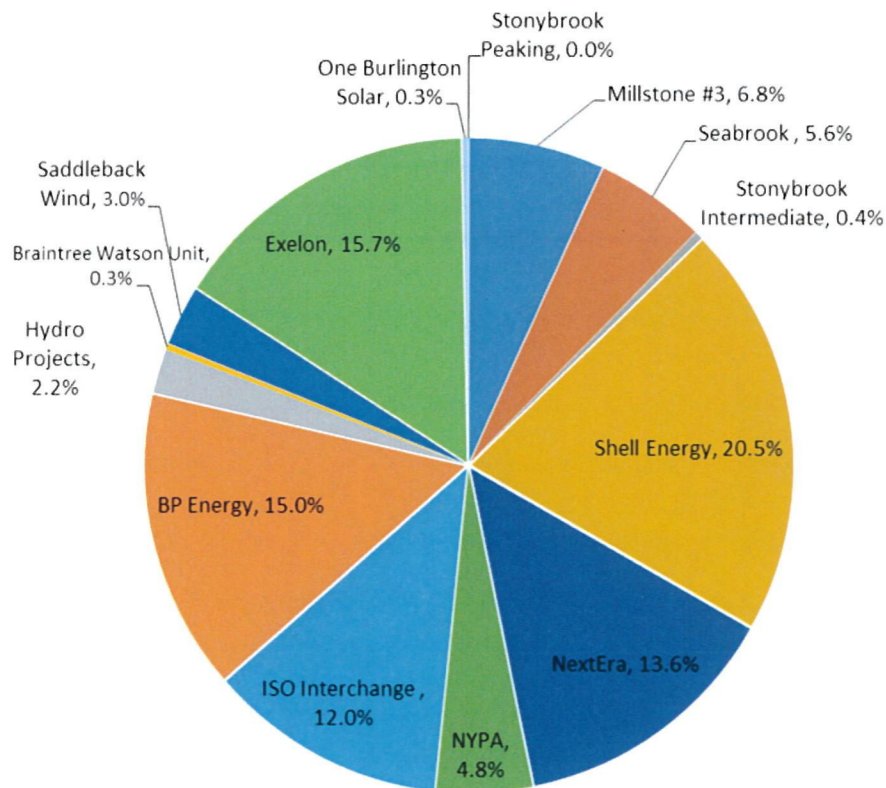
**Table 2**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP *	8,804,809	\$41.25	16.66%
Settlement			
RT Net Energy **	-2,491,829	\$32.67	-4.71%
Settlement			
ISO Interchange (subtotal)	6,312,980	\$44.63	11.94%

\* Independent System Operator Day-Ahead Locational Marginal Price

\*\* Real Time Net Energy

**NOVEMBER 2015 ENERGY BY RESOURCE**





## RENEWABLE ENERGY CERTIFICATES (RECs)

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

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

	<b>Banked RECs</b>	<b>Projected RECs</b>	<b>Total RECs</b>	<b>Est. Dollars</b>
Woronoco	836	1,780	2,616	\$112,488
Pepperell	1,939	2,434	4,373	\$188,039
Indian River	817	1,614	2,431	\$104,533
Turners Falls	132	1,340	1,472	\$0
Saddleback	1087	4,382	5,469	\$235,167
Jericho	0	0	0	\$0
<b>Sub total</b>	<b>4,811</b>	<b>11,550</b>	<b>16,361</b>	<b>\$640,227</b>
RECs Sold			0	\$0
<b>Grand Total</b>	<b>4,811</b>	<b>11,550</b>	<b>16,361</b>	<b>\$640,227</b>

## TRANSMISSION

The RMLD's total transmission costs for the month of November, 2015 were \$806,354. This is a decrease of 36.85% from the October transmission cost of \$1,276,977. In November, 2014 the transmission costs were \$716,111.

**Table 6**

	<b>Current Month</b>	<b>Last Month</b>	<b>Last Year</b>
Peak Demand (kW)	99,819	92,325	99,937
Energy (kWh)	52,857,245	53,541,382	54,368,253
Energy (\$)	\$2,489,548	\$2,543,917	\$2,374,999
Capacity (\$)	\$1,553,714	\$1,442,001	\$1,420,085
Transmission(\$)	\$806,354	\$1,276,977	\$716,111
Total	\$4,849,617	\$5,262,895	\$4,511,195



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	FY07-15	25,966	102,495,709	\$ 2,557,553		5,550,957		\$ 1,732,385	\$ 1.59	\$ 5,334.73	\$ 6,376,125
Current	FY16	99	706,121	\$ 13,595	\$ 11.45	42,367	\$ 0.06	\$ 84,000	\$ 0.22	\$ 738.75	\$ (129,898)
<b>Residential</b>											
Total to date	FY07-15	4,513	3,642,362	\$ 787,845		329,349		\$ 718,531	\$ 0.20	\$ 159.22	\$ 398,663
Current	FY16	112	37,711	\$ 15,383	\$ 11.45	2,263	\$ 0.06	\$ 27,235	\$ 3.47	\$ 1,168.22	\$ (113,149)
<b>Total</b>											
Total to date	FY07-15	30,479	106,138,071	\$ 3,020,981		5,740,107		\$ 2,846,612	\$ 0.03	\$ 93.40	\$ 5,914,476
Current	FY16	211	743,832	\$ 28,979	\$ 11.45	44,630	\$ 0.06	\$ 111,235	\$ 0.50	\$ 1,757.63	\$ (297,087)

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	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		
2016	79	\$ 3,950	78	\$ 3,900	104	\$ 5,200	20	\$ 500	18	\$ 1,800	11	\$ 275	21	\$ 315	49	\$ 8,575	0	\$ -	12	\$ 1,200	0	\$ -	2	\$ 20		
Total	2718	\$ 135,900	2417	\$ 120,850	2248	\$ 112,400	271	\$ 6,775	330	\$ 33,000	407	\$ 10,175	689	\$ 7,615	1778	\$ 317,506	27	\$ 103,950	75	\$ 7,500	36	\$ 9,000	20	\$ 200		

To: Coleen O'Brien

From:  Maureen McHugh, Jane Parenteau 

Date: January 8, 2015

Subject: Purchase Power Summary – December, 2015

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

## ENERGY

The RMLD's total metered load for the month was 56,355,652 kWh, which is a 4.67% decrease from the December, 2014 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	3,694,799	\$6.71	6.60%	\$24,792	0.90%
Seabrook	5,900,108	\$6.54	10.53%	\$38,582	1.40%
Stonybrook Intermediate	484,463	\$466.79	0.86%	\$226,145	8.20%
Shell Energy	11,072,000	\$70.30	19.76%	\$778,413	28.23%
NextEra	8,779,000	\$66.14	15.67%	\$580,622	21.06%
NYPA	2,686,822	\$4.92	4.80%	\$13,219	0.48%
ISO Interchange	1,514,635	\$33.60	2.70%	\$50,889	1.85%
NEMA Congestion	0	\$0.00	0.00%	-\$89,047	-3.23%
Coop Resales	12,234	\$152.85	0.02%	\$1,870	0.07%
BP Energy	8,848,000	\$47.73	15.79%	\$422,315	15.32%
Hydro Projects*	2,931,338	\$91.41	5.23%	\$267,947	9.72%
Braintree Watson Unit	460,233	\$58.69	0.82%	\$27,011	0.98%
Saddleback Wind	1,417,601	\$0.00	2.53%	\$0	0.00%
Exelon	8,132,000	\$51.56	14.52%	\$419,314	15.21%
One Burlington Solar	86,248	\$70.00	0.15%	\$6,037	0.22%
Stonybrook Peaking	0	\$0.00	0.00%	-\$10,963	-0.40%
Monthly Total	56,019,481	\$49.22	100.00%	\$2,757,146	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 December, 2015.

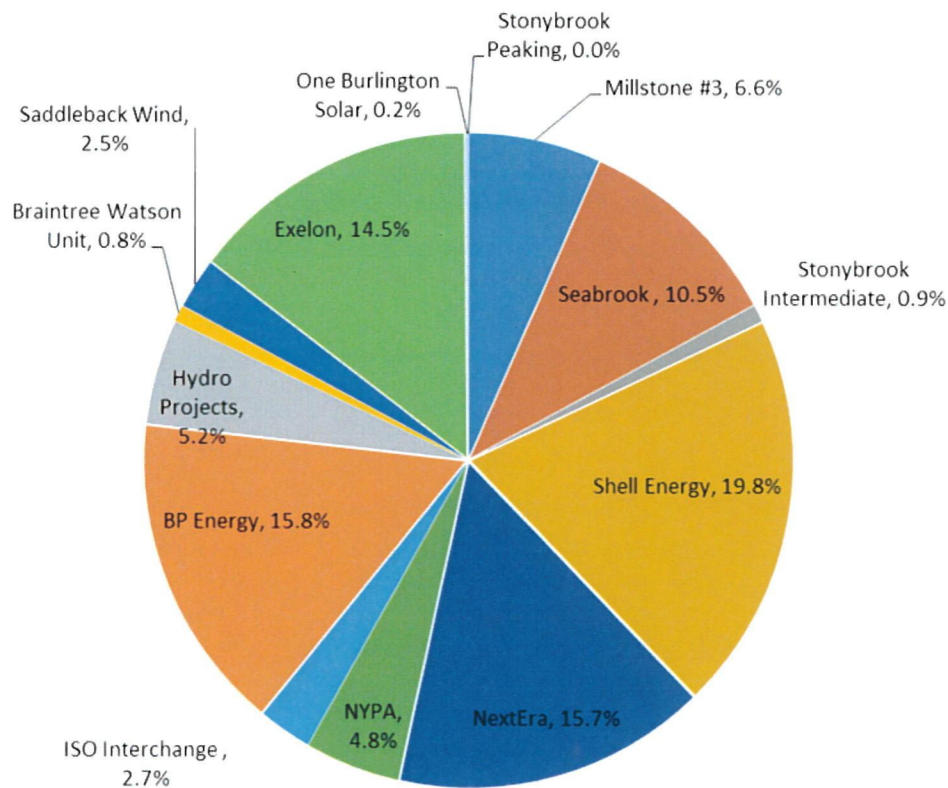
**Table 2**

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP *	5,847,412	\$23.62	10.44%
Settlement			
RT Net Energy **	-4,332,777	\$20.14	-7.73%
Settlement			
ISO Interchange (subtotal)	1,514,635	\$33.58	2.70%

\* Independent System Operator Day-Ahead Locational Marginal Price

\*\* Real Time Net Energy

**DECEMBER 2015 ENERGY BY RESOURCE**







## RENEWABLE ENERGY CERTIFICATES (RECs)

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

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

	<b>Banked RECs</b>	<b>Projected RECs</b>	<b>Total RECs</b>	<b>Est. Dollars</b>
Woronoco	836	2,591	3,427	\$147,361
Pepperell	1,939	2,751	4,690	\$201,670
Indian River	817	1,973	2,790	\$119,970
Turners Falls	132	1,466	1,598	\$0
Saddleback	1087	5,800	6,887	\$296,141
Jericho	0	0	0	\$0
<b>Sub total</b>	<b>4,811</b>	<b>14,581</b>	<b>19,392</b>	<b>\$765,142</b>
RECs Sold			0	\$0
<b>Grand Total</b>	<b>4,811</b>	<b>14,581</b>	<b>19,392</b>	<b>\$765,142</b>

## TRANSMISSION

The RMLD's total transmission costs for the month of December, 2015 were \$955,262. This is an increase of 18.47% from the November transmission cost of \$806,354. In December, 2014 the transmission costs were \$812,385.

**Table 6**

	<b>Current Month</b>	<b>Last Month</b>	<b>Last Year</b>
Peak Demand (kW)	100,307	99,819	109,529
Energy (kWh)	56,019,481	52,857,245	58,942,336
Energy (\$)	\$2,757,146	\$2,489,548	\$2,754,213
Capacity (\$)	\$1,578,215	\$1,553,714	\$1,415,709
Transmission(\$)	\$955,262	\$806,354	\$812,385
Total	\$5,290,623	\$4,849,617	\$4,982,307

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	FY07-15	25,966	102,495,709	\$ 2,557,553		5,550,957		\$ 1,732,385	\$ 1.59	\$ 5,334.73	\$ 6,376,125
Current	FY16	99	706,121	\$ 13,595	\$ 11.45	42,367	\$ 0.06	\$ 84,000	\$ 0.22	\$ 738.75	\$ (129,898)
<b>Residential</b>											
Total to date	FY07-15	4,513	3,642,362	\$ 787,845		329,349		\$ 718,531	\$ 0.20	\$ 159.22	\$ 398,663
Current	FY16	112	37,711	\$ 15,383	\$ 11.45	2,263	\$ 0.06	\$ 27,235	\$ 3.47	\$ 1,168.22	\$ (113,149)
<b>Total</b>											
Total to date	FY07-15	30,479	106,138,071	\$ 3,020,981		5,740,107		\$ 2,846,612	\$ 0.03	\$ 93.40	\$ 5,914,476
Current	FY16	211	743,832	\$ 28,979	\$ 11.45	44,630	\$ 0.06	\$ 111,235	\$ 0.50	\$ 1,757.63	\$ (297,087)

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	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		
2016	79	\$ 3,950	78	\$ 3,900	104	\$ 5,200	20	\$ 500	18	\$ 1,800	11	\$ 275	21	\$ 315	49	\$ 8,575	0	\$ -	12	\$ 1,200	0	\$ -	2	\$ 20		
Total	2718	\$ 135,900	2417	\$ 120,850	2248	\$ 112,400	271	\$ 6,775	330	\$ 33,000	407	\$ 10,175	689	\$ 7,615	1778	\$ 317,506	27	\$ 103,950	75	\$ 7,500	36	\$ 9,000	20	\$ 200		

ENGINEERING AND OPERATIONS  
REPORT  
ATTACHMENT 2



READING MUNICIPAL LIGHT DEPARTMENT  
FY 15 CAPITAL BUDGET VARIANCE REPORT  
FOR PERIOD ENDING NOVEMBER 30, 2015

PROJ	DESCRIPTION	TOWN	ACTUAL COST NOV	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	1,035	85,948	113,000	27,052
104	Upgrade Old Lynnfield Center URDs (Cook's Farm)	LC	13,788	94,095	42,000	(52,095)
105	4W5-4W6 Tie	R	599	12,349	-	(12,349)
106	URD Upgrades	ALL		3,481	340,000	336,519
107	Step-down Area Upgrades	ALL		10,026	352,000	341,974
110	Pole Line Upgrade - Woburn Street, W	W			91,000	91,000
212	Force Account West Street	R	414	138,282	150,000	11,718
	<b>SUB-TOTAL</b>		<b>15,836</b>	<b>344,181</b>	<b>1,188,000</b>	<b>843,819</b>
<b>STATION UPGRADES:</b>						
96	Station 4 (GAW) Back-up Generator	R			107,000	107,000
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			508,000	508,000
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>-</b>	<b>-</b>	<b>1,134,000</b>	<b>1,134,000</b>
<b>NEW CUSTOMER SERVICES:</b>						
	New Service Installations (Commercial / Industrial)	ALL			34,000	34,000
	New Service Installations (Residential)	ALL	7,758	52,344	164,000	111,656
	<b>SUB-TOTAL</b>		<b>7,758</b>	<b>52,344</b>	<b>198,000</b>	<b>145,656</b>
<b>ROUTINE CONSTRUCTION:</b>						
114	Routine Construction	ALL	<b>110,357</b>	<b>610,794</b>	<b>1,000,000</b>	<b>389,206</b>
<b>SPECIAL PROJECTS / CAPITAL PURCHASES:</b>						
100	Distributed Generation	ALL			2,164,000	2,164,000
103	Distribution Protection and Automation	ALL	6,850	22,556	70,000	47,444
114	Fiber Optic Test Equipment	ALL			15,000	15,000
115	Fault Indicators	ALL			50,000	50,000
116	Transformers and Capacitors	ALL	54,617	193,824	668,000	474,176
117	Meter Purchases (including "500 Club")	ALL	12,240	25,667	219,000	193,333
122	Engineering Analysis Software and Data Conversion	ALL	73,250	73,250	73,000	(250)
125	GIS	ALL			420,000	420,000
126	Communication Equipment (Fiber Optic)	ALL			98,000	98,000
131	LED Street Light Implementation	ALL	54,721	209,462	1,200,000	990,538
134	Substation Test Equipment	ALL	51,540	51,540	100,000	48,460
	<b>SUB-TOTAL</b>		<b>253,218</b>	<b>576,299</b>	<b>5,077,000</b>	<b>4,500,701</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		8,550	127,000	118,450
121	HVAC System Upgrade - 230 Ash Street	R	6,700	326,494	600,000	273,506
123	Oil Containment Facility Construction	ALL	113	4,848	59,000	54,152
127	Hardware Upgrades	ALL	12,799	34,774	152,000	117,226
128	Software and Licensing	ALL	905	15,212	172,000	156,788
129	Master Facilities Site Plan	R			150,000	150,000
136	Voltage Data Recorders	ALL			50,000	50,000
	<b>SUB-TOTAL</b>		<b>20,517</b>	<b>396,028</b>	<b>1,998,000</b>	<b>1,601,972</b>
<b>TOTAL CAPITAL BUDGET</b>			<b>\$ 407,686</b>	<b>\$ 1,979,646</b>	<b>\$ 10,595,000</b>	<b>\$ 8,615,354</b>



# Engineering & Operations Report

January 28, 2016, RMLD Board of Commissioners Meeting

November 2015 Reporting Period

Hamid Jaffari, Director of Engineering & Operations



# Capital Improvement Projects

Construction Projects:		% Complete Status	Month	YTD
102	Pole Line Upgrade - Lowell Street, Wilmington	82%	\$1,035	\$85,947
104	Upgrade Old Lynnfield Center URDs (Cook's Farm)	75%	\$13,788	\$94,095
105	4W5-4W6 Tie	20%	\$599	\$12,349
212	West Street – Force Account, Reading	99%	\$414	\$138,282
New Customer Service Connections:				
	Service Installations – Residential: This item includes new or upgraded overhead and underground services.	On-going	\$7,758	\$52,344
Special Projects/Capital Purchases:				
103	Distribution Protection and Automation	On-going	\$6,850	\$22,556
116	Transformers & Capacitors Purchase	n/a	\$54,617	\$193,824
117	Meter Purchase (including 500 Club/Mesh Network implementation)	20%	\$12,240	\$25,667
122	Engineering Analysis Software & Data Conversion	10%	\$73,250	\$73,250
131	LED Street Light Conversion	19%	\$54,721	\$209,461
134	Substation Test Equipment	n/a	\$51,540	\$51,540



## Routine Construction

	November	YTD
<b>Pole Setting/Transfers</b>	25,076	146,289
<b>Overhead/Underground</b>	14,251	124,128
<b>Projects Assigned as Required</b>		
• Rhode Island Road (OH subdivision), Wilmington		
• Perfecto's, Main Street (new service), Reading	9,113	124,911
• Industrial Way (new service), Wilmington		
<b>Pole Damage/Knockdowns - Some Reimbursable</b>		
• Work was done to repair or replace one (1) pole.	756	10,253
<b>Station Group</b>	-	-
<b>Hazmat/Oil Spills</b>		
• Ridgeway Road, North Reading	1,938	5,727
<b>Porcelain Cutout Replacement Program</b>	-	4,479
<b>Lighting (Street Light Connections)</b>	-	6,170
<b>Storm Trouble</b>	13	19,787
<b>Underground Subdivisions (new construction)</b>		
• Pebble Cove, Lynnfield	1,172	11,010
<b>Animal Guard Installation</b>	902	1,965
<b>Miscellaneous Capital Costs</b>	57,137	156,075
<b>TOTAL:</b>	<u>\$ 110,357</u>	<u>\$ 610,794</u>

# Routine Maintenance

## ► Transformer Replacement (through November 2015)

Pad mount 13.99%      Overhead 11.42%

## ► Pole Inspection (as of January 7, 2015 )

142 poles have been replaced      74 of 142 transfers have been completed

## ► Visual Inspection of OH Lines (as of 11/30/15)

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

## ► Manhole Inspection

Pending

## ► Porcelain Cutout Replacements (through November 2015)

91% complete      263 remaining to be replaced

## ► Tree Trimming

November: 233 spans trimmed      YTD: 1,335 spans trimmed

## ► Substation Maintenance

Infrared Scanning – November complete - no hot spots found



# Double Poles

- Ownership: 16,000 (approximately)

50% RMLD

50% Verizon

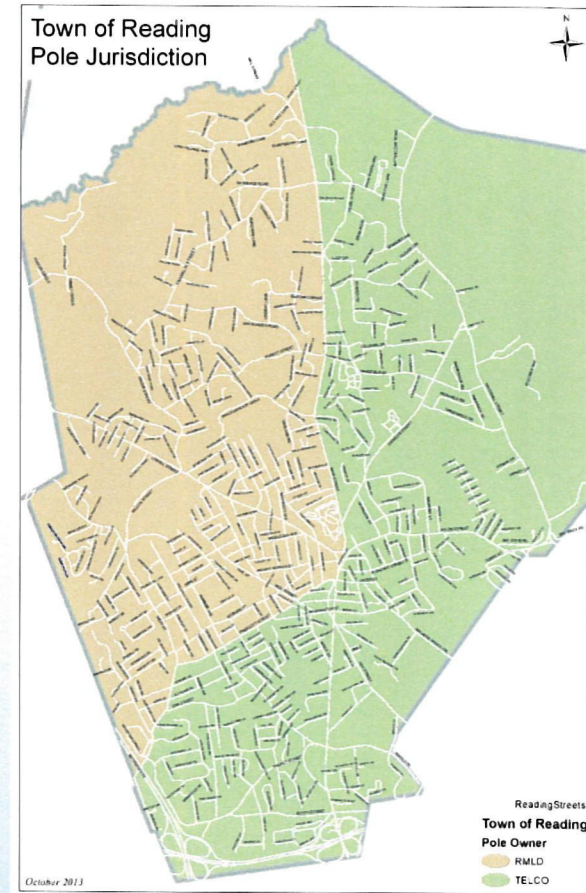
- Custodial:

Reading – split (see map)

North Reading – RMLD

Lynnfield – Verizon

Wilmington - Verizon



# NJUNS

"Next to Go" as of January 21, 2016

## READING

NTG Member and Job Type	Count of Ticket Number
<b>CMCTNR</b>	<b>7</b>
Comcast	
TRANSFER	7
<b>RDNGFD</b>	<b>8</b>
Reading Fire Department	
TRANSFER	8
<b>RMLD</b>	<b>17</b>
Reading Municipal Light Department	
TRANSFER	17
<b>VZNEA</b>	<b>33</b>
Verizon	
TRANSFER	29
PULL POLE	4
(blank)	
<b>Grand Total</b>	<b>65</b>

## NORTH READING

NTG Member and Job Type	Count of Ticket Number
<b>CMCTNR</b>	<b>70</b>
Comcast	
TRANSFER	70
<b>NGMA</b>	<b>1</b>
National Grid	
TRANSFER	1
<b>NRDGF</b>	<b>39</b>
North Reading Fire Department	
TRANSFER	39
<b>RMLD</b>	<b>50</b>
Reading Municipal Light Department	
TRANSFER	15
PULL POLE	35
<b>VZNEDR</b>	<b>55</b>
Verizon	
TRANSFER	50
PULL POLE	5
(blank)	
<b>Grand Total</b>	<b>215</b>

## WILMINGTON

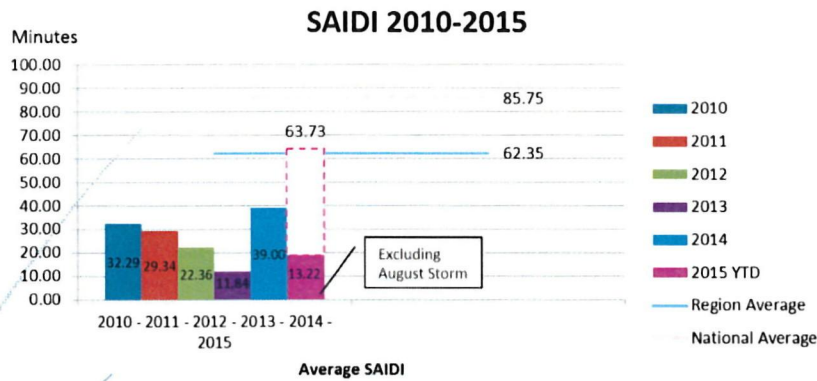
NTG Member and JobType	Count of Ticket Number
<b>CMCTNR</b>	<b>62</b>
Comcast	
TRANSFER	62
<b>LTFMA</b>	<b>1</b>
Lighttower Fiber Networks	
TRANSFER	1
<b>NP3PMA</b>	<b>10</b>
Non-participating 3rd Party Attacher - Massachusetts	
TRANSFER	10
<b>RMLD</b>	<b>31</b>
Reading Municipal Light Department	
TRANSFER	28
PULL POLE	3
<b>VZBMA</b>	<b>1</b>
Verizon Business	
TRANSFER	1
<b>VZNEDR</b>	<b>28</b>
Verizon	
TRANSFER	19
PULL POLE	9
<b>WMGNFD</b>	<b>66</b>
Wilmington Fire Department	
TRANSFER	66
(blank)	
<b>Grand Total</b>	<b>199</b>

## LYNNFIELD

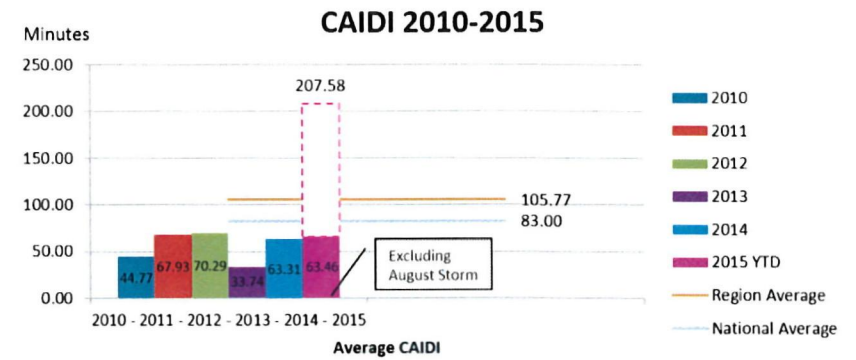
NTG Member and Job Type Number	Count of Ticket
<b>LFLDFD</b>	<b>2</b>
Lynnfield Fire Department	
TRANSFER	2
<b>RMLD</b>	<b>5</b>
Reading Municipal Light Department	
TRANSFER	5
<b>VZNEA</b>	<b>15</b>
Verizon	
TRANSFER	8
PULL POLE	7
(blank)	
<b>Grand Total</b>	<b>22</b>



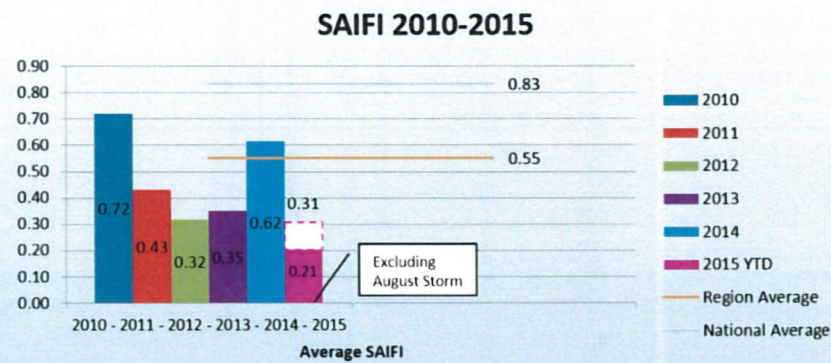
# Reliability exceeds regional and local indices . . .



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



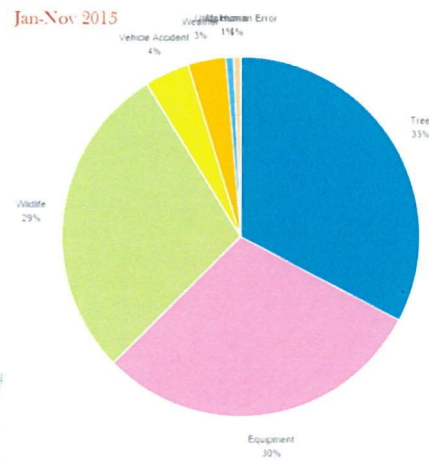
$$CAIDI(\text{Minutes}) = \frac{\text{Total Duration of Customer Interruptions}}{\text{Total Number of Customers Interrupted}}$$



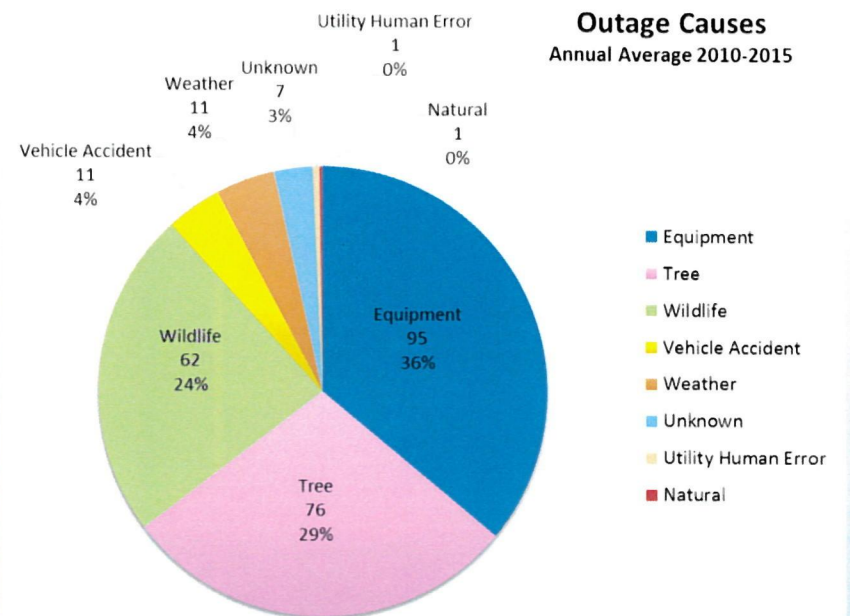
$$SAIFI = \frac{\text{Total Number of Customer Interruptions}}{\text{Total Number of Customers Served}}$$

# Outages Causes

Outages Causes Calendar YTD (from eReliability website)



Outage Cause	Count
Tree	48
Equipment	44
Wildlife	42
Vehicle Accident	6
Weather	5
Unknown	1
Utility Human Error	1
<b>Total</b>	<b>147</b>





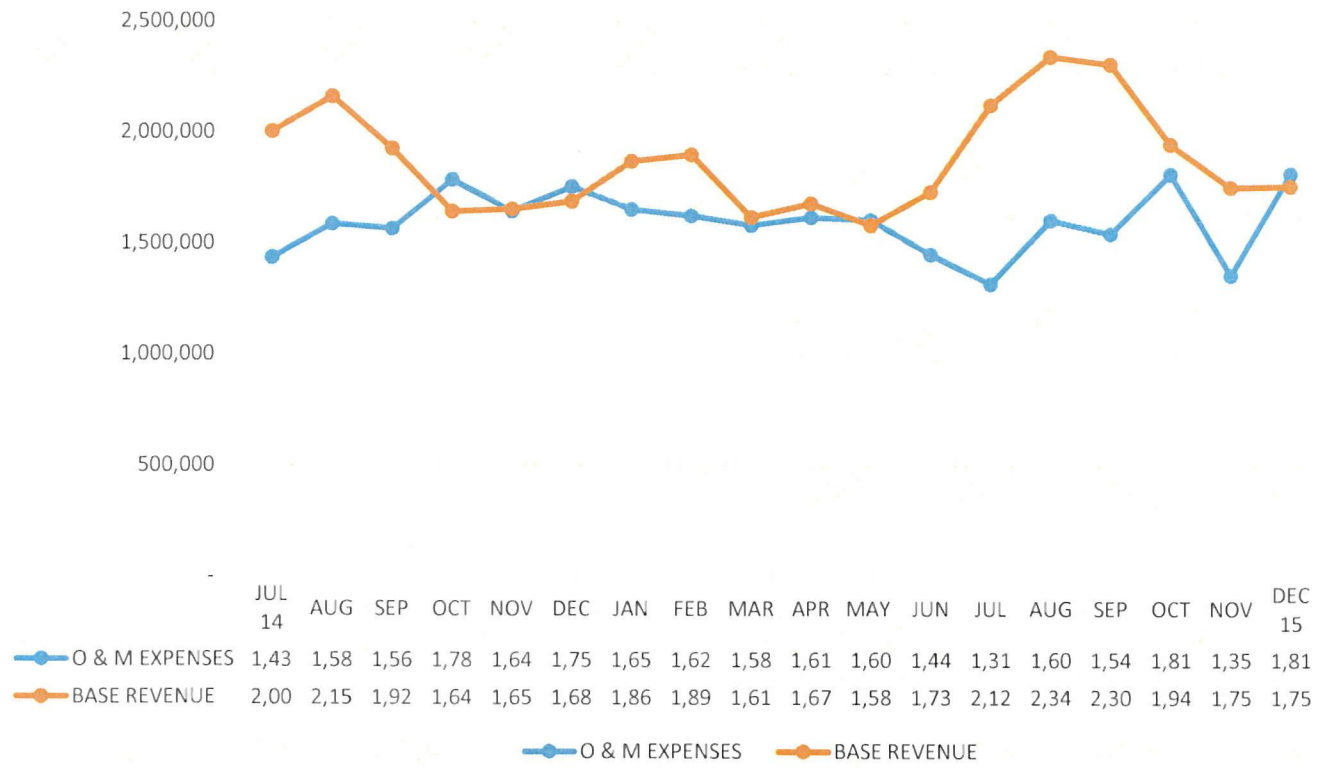
# Questions ?





FINANCIAL REPORT  
ATTACHMENT 3

### BASE REVENUE COMPARED TO OPERATING AND MTN EXP



# **FINANCIAL REPORT**

**NOVEMBER 30, 2015**

**ISSUE DATE: JANUARY 6, 2016**

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF NET ASSETS  
11/30/15

	PREVIOUS YEAR	CURRENT YEAR
<b>ASSETS</b>		
<b>CURRENT</b>		
UNRESTRICTED CASH (SCH A P.9)	10,200,816.12	13,678,729.91
RESTRICTED CASH (SCH A P.9)	23,301,691.45	23,113,271.56
RESTRICTED INVESTMENTS (SCH A P.9)	1,292,906.26	1,284,061.45
RECEIVABLES, NET (SCH B P.10)	9,425,898.54	7,454,839.79
PREPAID EXPENSES (SCH B P.10)	1,117,460.35	1,611,014.31
OTHER DEFERRED DEBITS (SCH B P.10)	0.00	1,547,815.00
INVENTORY	1,397,112.80	1,663,281.01
TOTAL CURRENT ASSETS	46,735,885.52	50,353,013.03
<b>NONCURRENT</b>		
INVESTMENT IN ASSOCIATED CO (SCH C P.2)	26,993.75	26,993.75
CAPITAL ASSETS, NET (SCH C P.2)	69,773,416.93	70,252,378.65
TOTAL NONCURRENT ASSETS	69,800,410.68	70,279,372.40
TOTAL ASSETS	116,536,296.20	120,632,385.43
 <b>LIABILITIES</b>		
<b>CURRENT</b>		
ACCOUNTS PAYABLE	7,177,466.39	9,514,232.95
CUSTOMER DEPOSITS	831,605.77	903,399.18
CUSTOMER ADVANCES FOR CONSTRUCTION	559,103.98	904,439.15
ACCRUED LIABILITIES	2,203.76	3,057,822.03
TOTAL CURRENT LIABILITIES	8,570,379.90	14,379,893.31
<b>NONCURRENT</b>		
ACCRUED EMPLOYEE COMPENSATED ABSENCES	2,918,870.73	3,070,487.93
TOTAL NONCURRENT LIABILITIES	2,918,870.73	3,070,487.93
TOTAL LIABILITIES	11,489,250.63	17,450,381.24
 <b>NET ASSETS</b>		
INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT	69,773,416.93	70,252,378.65
RESTRICTED FOR DEPRECIATION FUND (P.9)	5,560,253.19	6,508,973.15
UNRESTRICTED	29,713,375.45	26,420,652.39
TOTAL NET ASSETS (P.3)	105,047,045.57	103,182,004.19
TOTAL LIABILITIES AND NET ASSETS	116,536,296.20	120,632,385.43



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
NONCURRENT ASSET SCHEDULE  
11/30/15

SCHEDULE C

SCHEDULE OF INVESTMENTS IN ASSOCIATED COMPANIES	PREVIOUS YEAR	CURRENT YEAR
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	6,087,375.43	6,035,647.88
EQUIPMENT AND FURNISHINGS	12,384,966.14	12,158,355.53
INFRASTRUCTURE	50,035,233.13	50,792,533.01
TOTAL CAPITAL ASSETS, NET	<u>69,773,416.93</u>	<u>70,252,378.65</u>
TOTAL NONCURRENT ASSETS	<u>69,800,410.68</u>	<u>70,279,372.40</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
11/30/15

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
OPERATING REVENUES: (SCH D P.11)					
BASE REVENUE	1,653,269.01	1,753,086.15	9,381,296.21	10,475,213.37	11.66%
FUEL REVENUE	2,418,013.33	2,551,186.05	15,229,940.94	14,799,276.86	-2.83%
PURCHASED POWER CAPACITY	2,353,985.58	2,148,318.84	12,705,459.98	13,222,143.48	4.07%
FORFEITED DISCOUNTS	41,756.80	57,834.38	322,366.95	319,635.30	-0.85%
ENERGY CONSERVATION REVENUE	53,250.62	50,549.78	296,846.18	301,351.43	1.52%
NYPA CREDIT	(68,098.89)	(87,425.40)	(300,263.33)	(429,770.00)	43.13%
<b>TOTAL OPERATING REVENUES</b>	<b>6,452,176.45</b>	<b>6,473,549.80</b>	<b>37,635,646.93</b>	<b>38,687,850.44</b>	<b>2.80%</b>
OPERATING EXPENSES: (SCH E P.12)					
PURCHASED POWER CAPACITY	1,420,085.36	1,556,484.47	6,914,503.39	7,618,471.87	10.18%
PURCHASED POWER TRANSMISSION	719,062.29	806,354.28	5,644,927.31	5,857,669.10	3.77%
PURCHASED POWER FUEL	2,374,999.11	2,489,548.12	13,079,952.84	15,098,143.47	15.43%
OPERATING MAINTENANCE	894,924.40	746,035.97	4,386,432.11	4,185,225.35	-4.59%
DEPRECIATION	308,730.84	162,431.93	1,423,480.62	1,208,742.22	-15.09%
VOLUNTARY PAYMENTS TO TOWNS	321,788.79	328,732.65	1,608,943.95	1,643,663.25	2.16%
	118,000.00	118,000.00	590,000.00	590,000.00	0.00%
<b>TOTAL OPERATING EXPENSES</b>	<b>6,157,590.79</b>	<b>6,207,587.42</b>	<b>33,648,240.22</b>	<b>36,201,915.26</b>	<b>7.59%</b>
<b>OPERATING INCOME</b>	<b>294,585.66</b>	<b>265,962.38</b>	<b>3,987,406.71</b>	<b>2,485,935.18</b>	<b>-37.66%</b>
OPERATING REVENUES (EXPENSES)					
CONTRIBUTIONS IN AID OF CONST	4,642.00	2,284.29	5,037.20	38,903.13	672.32%
RETURN ON INVESTMENT TO READING	(194,405.25)	(197,537.08)	(972,026.25)	(987,685.40)	1.61%
INTEREST INCOME	21,870.58	12,702.04	57,364.62	54,975.02	-4.17%
INTEREST EXPENSE	(253.44)	(178.22)	(1,292.90)	(897.57)	-30.58%
OTHER (MDSE AND AMORT)	1,989.00	3,740.83	97,222.03	145,690.60	49.85%
<b>TOTAL NONOPERATING REV (EXP)</b>	<b>(166,157.11)</b>	<b>(178,988.14)</b>	<b>(813,695.30)</b>	<b>(749,014.22)</b>	<b>-7.95%</b>
<b>CHANGE IN NET ASSETS</b>	<b>128,428.55</b>	<b>86,974.24</b>	<b>3,173,711.41</b>	<b>1,736,920.96</b>	<b>-45.27%</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 NOVEMBER</b>			<b>105,047,045.57</b>	<b>103,182,004.19</b>	<b>-1.78%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
11/30/15

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE*	% CHANGE
OPERATING REVENUES: (SCH F P.11B)				
BASE REVENUE	10,475,213.37	10,217,506.00	257,707.37	2.52%
FUEL REVENUE	14,799,276.86	14,741,835.00	57,441.86	0.39%
PURCHASED POWER CAPACITY	13,222,143.48	13,420,010.00	(197,866.52)	-1.47%
FORFEITED DISCOUNTS	319,635.30	306,526.00	13,109.30	4.28%
ENERGY CONSERVATION REVENUE	301,351.43	300,283.00	1,068.43	0.36%
NYPA CREDIT	(429,770.00)	(375,000.00)	(54,770.00)	14.61%
<b>TOTAL OPERATING REVENUES</b>	<b>38,687,850.44</b>	<b>38,611,160.00</b>	<b>76,690.44</b>	<b>0.20%</b>
OPERATING EXPENSES: (SCH G P.12A)				
PURCHASED POWER - CAPACITY	7,618,471.87	7,716,187.00	(97,715.13)	-1.27%
PURCHASED POWER - TRANSMISSION	5,857,669.10	5,703,823.00	153,846.10	2.70%
PURCHASED POWER FUEL	15,098,143.47	14,366,835.00	731,308.47	5.09%
OPERATING MAINTENANCE	4,185,225.35	4,548,198.00	(362,972.65)	-7.98%
DEPRECIATION	1,208,742.22	1,561,556.00	(352,813.78)	-22.59%
VOLUNTARY PAYMENTS TO TOWNS	1,643,663.25	1,659,650.00	(15,986.75)	-0.96%
	590,000.00	590,000.00	0.00	0.00%
<b>TOTAL OPERATING EXPENSES</b>	<b>36,201,915.26</b>	<b>36,146,249.00</b>	<b>55,666.26</b>	<b>0.15%</b>
<b>OPERATING INCOME</b>	<b>2,485,935.18</b>	<b>2,464,911.00</b>	<b>21,024.18</b>	<b>0.85%</b>
NONOPERATING REVENUES (EXPENSES)				
CONTRIBUTIONS IN AID OF CONST	38,903.13	100,000.00	(61,096.87)	-61.10%
RETURN ON INVESTMENT TO READING	(987,685.40)	(987,500.00)	(185.40)	0.02%
INTEREST INCOME	54,975.02	62,500.00	(7,524.98)	-12.04%
INTEREST EXPENSE	(897.57)	(875.00)	(22.57)	2.58%
OTHER (MDSE AND AMORT)	145,690.60	150,000.00	(4,309.40)	-2.87%
<b>TOTAL NONOPERATING REV (EXP)</b>	<b>(749,014.22)</b>	<b>(675,875.00)</b>	<b>(73,139.22)</b>	<b>10.82%</b>
<b>CHANGE IN NET ASSETS</b>	<b>1,736,920.96</b>	<b>1,789,036.00</b>	<b>(52,115.04)</b>	<b>-2.91%</b>
<b>NET ASSETS AT BEGINNING OF YEAR</b>	<b>101,445,083.23</b>	<b>101,445,083.23</b>	<b>0.00</b>	<b>0.00%</b>
<b>NET ASSETS AT END OF NOVEMBER</b>	<b>103,182,004.19</b>	<b>103,234,119.23</b>	<b>(52,115.04)</b>	<b>-0.05%</b>

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
RECONCILIATION OF CAPITAL FUNDS  
11/30/15

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	10,647.48
DEPRECIATION TRANSFER FY 16	<u>1,643,663.25</u>
TOTAL SOURCE OF CAPITAL FUNDS	8,488,618.52

USE OF CAPITAL FUNDS:

LESS PAID ADDITIONS TO PLANT THRU NOVEMBER	
TOTAL USE OF CAPITAL FUNDS	1,979,645.37
GENERAL LEDGER CAPITAL FUNDS BALANCE 11/30/15	<u><u>6,508,973.15</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SALES OF KILOWATT HOURS  
11/30/15

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	17,735,079	17,009,576	111,701,125	115,575,544	3.47%
COMM. AND INDUSTRIAL SALES	33,862,966	32,102,880	178,764,324	179,106,929	0.19%
PRIVATE STREET LIGHTING	77,940	79,418	393,790	397,360	0.91%
TOTAL PRIVATE CONSUMERS	<u>51,675,985</u>	<u>49,191,874</u>	<u>290,859,239</u>	<u>295,079,833</u>	1.45%
MUNICIPAL SALES:					
STREET LIGHTING	242,669	222,241	1,214,376	1,159,623	-4.51%
MUNICIPAL BUILDINGS	828,513	752,346	3,963,398	3,870,941	-2.33%
TOTAL MUNICIPAL CONSUMERS	<u>1,071,182</u>	<u>974,587</u>	<u>5,177,774</u>	<u>5,030,564</u>	-2.84%
SALES FOR RESALE	229,361	203,175	1,550,962	1,522,735	-1.82%
SCHOOL	1,439,816	1,259,857	5,952,876	5,851,984	-1.69%
TOTAL KILOWATT HOURS SOLD	<u><u>54,416,344</u></u>	<u><u>51,629,493</u></u>	<u><u>303,540,851</u></u>	<u><u>307,485,116</u></u>	1.30%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
KILOWATT HOURS SOLD BY TOWN  
11/30/15

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	17,009,576	5,453,682	2,399,300	4,028,574	5,128,020
COMM & IND	32,102,880	3,908,805	244,195	5,052,250	22,897,630
PVT ST LIGHTS	79,418	13,418	1,506	24,811	39,683
PUB ST LIGHTS	222,241	75,000	28,790	39,629	78,822
MUNI BLDGS	752,346	191,188	174,142	135,514	251,502
SALES/RESALE	203,175	203,175	0	0	0
SCHOOL	1,259,857	451,286	278,999	232,960	296,612
<b>TOTAL</b>	<b>51,629,493</b>	<b>10,296,554</b>	<b>3,126,932</b>	<b>9,513,738</b>	<b>28,692,269</b>

YEAR TO DATE

RESIDENTIAL	115,575,544	36,576,940	16,714,252	27,073,264	35,211,088
COMM & IND	179,106,929	21,069,942	1,378,622	27,254,039	129,404,326
PVT ST LIGHTS	397,360	67,090	7,482	124,213	198,575
PUB ST LIGHTS	1,159,623	391,044	154,505	204,127	409,947
MUNI BLDGS	3,870,941	827,948	877,996	733,589	1,431,408
SALES/RESALE	1,522,735	1,522,735	0	0	0
SCHOOL	5,851,984	2,021,828	1,222,269	1,274,980	1,332,907
<b>TOTAL</b>	<b>307,485,116</b>	<b>62,477,527</b>	<b>20,355,126</b>	<b>56,664,212</b>	<b>167,988,251</b>

LAST YEAR TO DATE

RESIDENTIAL	111,701,125	34,852,499	16,171,000	25,991,306	34,686,320
COMM & IND	178,764,324	21,896,647	1,385,923	27,856,439	127,625,315
PVT ST LIGHTS	393,790	66,774	7,620	123,966	195,430
PUB ST LIGHTS	1,214,376	408,092	163,987	213,401	428,896
MUNI BLDGS	3,963,398	925,019	853,184	754,780	1,430,415
SALES/RESALE	1,550,962	1,550,962	0	0	0
SCHOOL	5,952,876	2,093,151	1,266,765	895,420	1,697,540
<b>TOTAL</b>	<b>303,540,851</b>	<b>61,793,144</b>	<b>19,848,479</b>	<b>55,835,312</b>	<b>166,063,916</b>

KILOWATT HOURS SOLD TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	32.95%	10.56%	4.65%	7.80%	9.94%
COMM & IND	62.18%	7.57%	0.47%	9.79%	44.35%
PVT ST LIGHTS	0.15%	0.03%	0.00%	0.05%	0.07%
PUB ST LIGHTS	0.43%	0.15%	0.06%	0.08%	0.14%
MUNI BLDGS	1.46%	0.37%	0.34%	0.26%	0.49%
SALES/RESALE	0.39%	0.39%	0.00%	0.00%	0.00%
SCHOOL	2.44%	0.87%	0.54%	0.45%	0.58%
<b>TOTAL</b>	<b>100.00%</b>	<b>19.94%</b>	<b>6.06%</b>	<b>18.43%</b>	<b>55.57%</b>

YEAR TO DATE

RESIDENTIAL	37.59%	11.90%	5.44%	8.80%	11.45%
COMM & IND	58.24%	6.85%	0.45%	8.86%	42.08%
PVT ST LIGHTS	0.13%	0.02%	0.00%	0.04%	0.07%
PUB ST LIGHTS	0.38%	0.13%	0.05%	0.07%	0.13%
MUNI BLDGS	1.26%	0.27%	0.29%	0.24%	0.46%
SALES/RESALE	0.50%	0.50%	0.00%	0.00%	0.00%
SCHOOL	1.90%	0.66%	0.40%	0.41%	0.43%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.33%</b>	<b>6.63%</b>	<b>18.42%</b>	<b>54.62%</b>

LAST YEAR TO DATE

RESIDENTIAL	36.80%	11.48%	5.33%	8.56%	11.43%
COMM & IND	58.89%	7.21%	0.46%	9.18%	42.04%
PVT ST LIGHTS	0.13%	0.02%	0.00%	0.04%	0.07%
PUB ST LIGHTS	0.40%	0.13%	0.05%	0.07%	0.15%
MUNI BLDGS	1.31%	0.30%	0.28%	0.25%	0.48%
SALES/RESALE	0.51%	0.51%	0.00%	0.00%	0.00%
SCHOOL	1.96%	0.69%	0.42%	0.29%	0.56%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.34%</b>	<b>6.54%</b>	<b>18.39%</b>	<b>54.73%</b>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
FORMULA INCOME  
11/30/15

TOTAL OPERATING REVENUES	(P.3)	38,687,850.44
ADD:		
POLE RENTAL		0.00
INTEREST INCOME ON CUSTOMER DEPOSITS		2,171.14
LESS:		
OPERATING EXPENSES	(P.3)	(36,201,915.26)
CUSTOMER DEPOSIT INTEREST EXPENSE		(897.57)
FORMULA INCOME (LOSS)		<u>2,487,208.75</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
GENERAL STATISTICS  
11/30/15

	MONTH OF NOV 2014	MONTH OF NOV 2015	% CHANGE		YEAR NOV 2014	THRU NOV 2015
			2014	2015		
SALE OF KWH (P.5)	54,416,344	51,629,493	-2.39%	1.30%	303,540,851	307,485,116
KWH PURCHASED	54,494,499	53,541,382	-3.12%	4.10%	251,090,338	261,382,438
AVE BASE COST PER KWH	0.026120	0.029071	-42.93%	28.76%	0.022636	0.029147
AVE BASE SALE PER KWH	0.030382	0.033955	-52.40%	10.23%	0.030906	0.034067
AVE COST PER KWH	0.069803	0.075568	-16.24%	32.77%	0.065457	0.086909
AVE SALE PER KWH	0.074882	0.083368	-25.79%	1.38%	0.081080	0.082197
FUEL CHARGE REVENUE (P.3)	2,418,013.33	2,551,186.05	10.49%	-2.83%	15,229,940.94	14,799,276.86
LOAD FACTOR	74.52%	73.48%				
PEAK LOAD	99,937	99,819				

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF CASH AND INVESTMENTS  
11/30/15

SCHEDULE A

	PREVIOUS YEAR	CURRENT YEAR
UNRESTRICTED CASH		
CASH - OPERATING FUND	10,197,816.12	13,675,729.91
CASH - PETTY CASH	3,000.00	3,000.00
TOTAL UNRESTRICTED CASH	10,200,816.12	13,678,729.91
RESTRICTED CASH		
CASH - DEPRECIATION FUND	5,560,253.19	6,508,973.15
CASH - TOWN PAYMENT	1,562,026.25	1,577,685.00
CASH - DEFERRED FUEL RESERVE	5,982,419.73	4,451,648.54
CASH - RATE STABILIZATION FUND	6,748,633.58	6,792,422.72
CASH - UNCOLLECTIBLE ACCTS RESERVE	200,000.00	200,000.00
CASH - SICK LEAVE BENEFITS	1,695,954.84	1,798,459.74
CASH - HAZARD WASTE RESERVE	150,000.00	150,000.00
CASH - CUSTOMER DEPOSITS	831,605.77	903,399.18
CASH - ENERGY CONSERVATION	570,798.09	730,683.23
TOTAL RESTRICTED CASH	23,301,691.45	23,113,271.56
INVESTMENTS		
SICK LEAVE BUYBACK	1,292,906.26	1,284,061.45
TOTAL CASH BALANCE	34,795,413.83	38,076,062.92



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF ACCOUNTS RECEIVABLE  
11/30/15

SCHEDULE B

SCHEDULE OF ACCOUNTS RECEIVABLE	PREVIOUS YEAR	CURRENT YEAR
RESIDENTIAL AND COMMERCIAL	4,224,757.80	2,403,572.95
ACCOUNTS RECEIVABLE - OTHER	88,706.53	253,758.60
ACCOUNTS RECEIVABLE - LIENS	28,192.64	11,656.65
ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES	892.14	543.53
SALES DISCOUNT LIABILITY	(271,535.26)	(139,155.28)
RESERVE FOR UNCOLLECTIBLE ACCOUNTS	(267,384.59)	(241,886.61)
TOTAL ACCOUNTS RECEIVABLE BILLED	<u>3,803,629.26</u>	<u>2,288,489.84</u>
UNBILLED ACCOUNTS RECEIVABLE	5,622,269.28	5,166,349.95
TOTAL ACCOUNTS RECEIVABLE, NET	<u>9,425,898.54</u>	<u>7,454,839.79</u>

SCHEDULE OF PREPAYMENTS

PREPAID INSURANCE	389,801.18	441,174.68
PREPAYMENT PURCHASED POWER	168,532.38	570,876.33
PREPAYMENT PASNY	259,957.39	307,572.50
PREPAYMENT WATSON	286,469.29	276,520.74
PURCHASED POWER WORKING CAPITAL	12,700.11	14,870.06
TOTAL PREPAYMENT	<u>1,117,460.35</u>	<u>1,611,014.31</u>

OTHER DEFERRED DEBITS	<u>0.00</u>	<u>1,547,815.00</u>
-----------------------	-------------	---------------------

ACCOUNTS RECEIVABLE AGING NOVEMBER 2015:

RESIDENTIAL AND COMMERCIAL	2,403,572.95
LESS: SALES DISCOUNT LIABILITY	(139,155.28)
GENERAL LEDGER BALANCE	<u>2,264,417.67</u>

CURRENT	1,790,730.57	79.09%
30 DAYS	303,310.65	13.39%
60 DAYS	103,949.45	4.59%
90 DAYS	17,880.03	0.79%
OVER 90 DAYS	48,546.97	2.14%
TOTAL	<u>2,264,417.67</u>	<u>100.00%</u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE  
11/30/15

SCHEDULE D

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	1,609,139.07	1,708,738.93	10,671,029.93	11,264,891.55	5.57%
COMM AND INDUSTRIAL SALES	2,241,917.00	2,378,338.54	12,837,831.03	12,971,889.82	1.04%
PRIVATE STREET LIGHTING	8,948.29	10,090.12	47,068.00	49,868.61	5.95%
<b>TOTAL PRIVATE CONSUMERS</b>	<u>3,860,004.36</u>	<u>4,097,167.59</u>	<u>23,555,928.96</u>	<u>24,286,649.98</u>	3.10%
 MUNICIPAL SALES:					
STREET LIGHTING	29,860.45	27,351.87	149,302.25	76,575.63	-48.71%
MUNICIPAL BUILDINGS	61,810.23	63,575.21	314,669.66	314,992.99	0.10%
<b>TOTAL MUNICIPAL CONSUMERS</b>	<u>91,670.68</u>	<u>90,927.08</u>	<u>463,971.91</u>	<u>391,568.62</u>	-15.61%
 SALES FOR RESALE	 18,322.30	 16,308.83	 133,044.75	 130,306.88	 -2.06%
 SCHOOL	 101,285.00	 99,868.70	 458,291.53	 465,964.75	 1.67%
 <b>SUB-TOTAL</b>	 <u>4,071,282.34</u>	 <u>4,304,272.20</u>	 <u>24,611,237.15</u>	 <u>25,274,490.23</u>	 2.69%
 FORFEITED DISCOUNTS	 41,756.80	 57,834.38	 322,366.95	 319,635.30	 -0.85%
 PURCHASED POWER CAPACITY	 2,353,985.58	 2,148,318.84	 12,705,459.98	 13,222,143.48	 4.07%
 ENERGY CONSERVATION - RESIDENTIAL	 17,747.98	 17,021.95	 111,743.90	 115,630.57	 3.48%
ENERGY CONSERVATION - COMMERCIAL	35,502.64	33,527.83	185,102.28	185,720.86	0.33%
 NYPA CREDIT	 (68,098.89)	 (87,425.40)	 (300,263.33)	 (429,770.00)	 43.13%
 <b>TOTAL REVENUE</b>	 <u>6,452,176.45</u>	 <u>6,473,549.80</u>	 <u>37,635,646.93</u>	 <u>38,687,850.44</u>	 2.80%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE BY TOWN  
11/30/15

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	1,708,738.93	551,938.64	238,574.29	403,090.43	515,135.57
INDUS/MUNI BLDG	2,441,913.75	339,858.14	36,532.55	398,446.14	1,667,076.92
PUB. ST. LIGHTS	27,351.87	9,209.94	3,535.39	4,896.85	9,709.69
PRV. ST. LIGHTS	10,090.12	1,658.60	201.15	3,299.41	4,930.96
CO-OP RESALE	16,308.83	16,308.83	0.00	0.00	0.00
SCHOOL	99,868.70	35,624.59	21,173.46	20,209.03	22,861.62
<b>TOTAL</b>	<b>4,304,272.20</b>	<b>954,598.74</b>	<b>300,016.84</b>	<b>829,941.86</b>	<b>2,219,714.76</b>

THIS YEAR TO DATE

RESIDENTIAL	11,264,891.55	3,587,632.83	1,615,848.06	2,630,969.87	3,430,440.79
INDUS/MUNI BLDG	13,286,882.81	1,777,962.24	190,629.29	2,117,561.61	9,200,729.67
PUB. ST. LIGHTS	76,575.63	25,722.33	10,101.59	13,616.35	27,135.36
PRV. ST. LIGHTS	49,868.61	8,191.94	968.24	16,304.77	24,403.66
CO-OP RESALE	130,306.88	130,306.88	0.00	0.00	0.00
SCHOOL	465,964.75	161,665.52	95,219.86	105,629.26	103,450.11
<b>TOTAL</b>	<b>25,274,490.23</b>	<b>5,691,481.74</b>	<b>1,912,767.02</b>	<b>4,884,081.87</b>	<b>12,786,159.60</b>

LAST YEAR TO DATE

RESIDENTIAL	10,671,029.93	3,342,401.00	1,535,016.73	2,475,360.43	3,318,251.77
INDUS/MUNI BLDG	13,152,500.69	1,818,812.57	181,676.81	2,146,241.29	9,005,770.02
PUB. ST. LIGHTS	149,302.25	50,071.15	20,120.40	26,335.25	52,775.45
PRV. ST. LIGHTS	47,068.00	7,842.68	925.80	15,342.12	22,957.40
CO-OP RESALE	133,044.75	133,044.75	0.00	0.00	0.00
SCHOOL	458,291.53	162,483.22	96,902.76	70,253.08	128,652.47
<b>TOTAL</b>	<b>24,611,237.15</b>	<b>5,514,655.37</b>	<b>1,834,642.50</b>	<b>4,733,532.17</b>	<b>12,528,407.11</b>

PERCENTAGE OF OPERATING INCOME TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	42.96%	12.82%	5.54%	9.36%	11.97%
INDUS/MUNI BLDG	56.73%	7.90%	0.85%	9.26%	38.73%
PUB. ST. LIGHTS	0.64%	0.21%	0.08%	0.11%	0.23%
PRV. ST. LIGHTS	0.23%	0.04%	0.00%	0.08%	0.11%
CO-OP RESALE	0.38%	0.38%	0.00%	0.00%	0.00%
SCHOOL	2.10%	0.83%	0.49%	0.47%	0.46%
<b>TOTAL</b>	<b>100.00%</b>	<b>23.68%</b>	<b>6.55%</b>	<b>19.28%</b>	<b>49.85%</b>

THIS YEAR TO DATE

RESIDENTIAL	44.57%	14.19%	6.39%	10.41%	13.57%
INDUS/MUNI BLDG	52.57%	7.03%	0.75%	8.38%	36.40%
PUB. ST. LIGHTS	0.30%	0.10%	0.04%	0.05%	0.11%
PRV. ST. LIGHTS	0.19%	0.03%	0.00%	0.06%	0.10%
CO-OP RESALE	0.52%	0.52%	0.00%	0.00%	0.00%
SCHOOL	1.82%	0.64%	0.38%	0.42%	0.39%
<b>TOTAL</b>	<b>100.00%</b>	<b>22.52%</b>	<b>7.68%</b>	<b>19.32%</b>	<b>50.57%</b>

LAST YEAR TO DATE

RESIDENTIAL	43.36%	13.58%	6.24%	10.06%	13.48%
INDUS/MUNI BLDG	53.46%	7.39%	0.74%	8.72%	36.61%
PUB. ST. LIGHTS	0.60%	0.20%	0.08%	0.11%	0.21%
PRV. ST. LIGHTS	0.18%	0.03%	0.00%	0.06%	0.09%
CO-OP RESALE	0.54%	0.54%	0.00%	0.00%	0.00%
SCHOOL	1.86%	0.66%	0.39%	0.29%	0.52%
<b>TOTAL</b>	<b>100.00%</b>	<b>22.40%</b>	<b>7.45%</b>	<b>19.24%</b>	<b>50.91%</b>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED REVENUE VARIANCE REPORT  
11/30/15

SCHEDULE F

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
SALES OF ELECTRICITY:				
RESIDENTIAL	5,679,180.06	5,566,591.00	112,589.06	2.02%
COMM AND INDUSTRIAL SALES PRIVATE STREET LIGHTING MUNICIPAL BUILDINGS	4,479,743.79	4,265,472.00	214,271.79	5.02%
PUBLIC STREET LIGHTING	76,575.63	157,888.00	(81,312.37)	-51.50%
SALES FOR RESALE	57,291.58	56,410.00	881.58	1.56%
SCHOOL	<u>182,422.31</u>	<u>171,145.00</u>	<u>11,277.31</u>	6.59%
 TOTAL BASE SALES	 10,475,213.37	 10,217,506.00	 257,707.37	 2.52%
TOTAL FUEL SALES	<u>14,799,276.86</u>	<u>14,741,835.00</u>	<u>57,441.86</u>	0.39%
TOTAL OPERATING REVENUE	25,274,490.23	24,959,341.00	315,149.23	1.26%
FORFEITED DISCOUNTS	319,635.30	306,526.00	13,109.30	4.28%
PURCHASED POWER CAPACITY	13,222,143.48	13,420,010.00	(197,866.52)	-1.47%
ENERGY CONSERVATION - RESIDENTIAL	115,630.57	114,636.00	994.57	0.87%
ENERGY CONSERVATION - COMMERCIAL	185,720.86	185,647.00	73.86	0.04%
NYPA CREDIT	(429,770.00)	(375,000.00)	(54,770.00)	14.61%
 TOTAL OPERATING REVENUES	 <u><u>38,687,850.44</u></u>	 <u><u>38,611,160.00</u></u>	 <u><u>76,690.44</u></u>	 0.20%

\* ( ) = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING EXPENSES  
11/30/15

SCHEDULE E

OPERATION EXPENSES:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
PURCHASED POWER CAPACITY	1,420,085.36	1,556,484.47	6,914,503.39	7,618,471.87	10.18%
PURCHASED POWER TRANSMISSION	719,062.29	806,354.28	5,644,927.31	5,857,669.10	3.77%
<b>TOTAL PURCHASED POWER</b>	<b><u>2,139,147.65</u></b>	<b><u>2,362,838.75</u></b>	<b><u>12,559,430.70</u></b>	<b><u>13,476,140.97</u></b>	<b>0.14</b>
OPERATION SUP AND ENGINEERING EXP	40,918.14	42,900.84	223,285.37	221,618.40	-0.75%
STATION SUP LABOR AND MISC	12,144.72	12,452.40	66,306.26	61,030.43	-7.96%
LINE MISC LABOR AND EXPENSE	67,916.24	62,349.86	290,282.40	306,507.10	5.59%
STATION LABOR AND EXPENSE	41,127.47	30,028.90	194,986.31	163,116.66	-16.34%
STREET LIGHTING EXPENSE	11,849.03	10,759.04	38,382.20	46,245.46	20.49%
METER EXPENSE	14,054.65	18,041.00	73,231.80	90,174.17	23.14%
MISC DISTRIBUTION EXPENSE	34,971.74	31,494.31	175,799.94	179,718.50	2.23%
METER READING LABOR & EXPENSE	1,070.03	1,046.21	7,568.66	12,535.86	65.63%
ACCT & COLL LABOR & EXPENSE	135,599.59	126,190.27	740,092.25	668,205.88	-9.71%
UNCOLLECTIBLE ACCOUNTS	10,000.00	10,000.00	50,000.00	50,000.00	0.00%
ENERGY AUDIT EXPENSE	30,841.27	47,185.30	168,184.55	232,149.26	38.03%
ADMIN & GEN SALARIES	74,563.23	72,476.27	351,824.36	356,960.00	1.46%
OFFICE SUPPLIES & EXPENSE	27,039.14	10,883.75	122,489.31	111,631.94	-8.86%
OUTSIDE SERVICES	69,317.96	41,607.44	190,950.48	159,544.94	-16.45%
PROPERTY INSURANCE	29,863.73	31,242.39	149,318.65	156,211.95	4.62%
INJURIES AND DAMAGES	4,837.43	2,986.02	19,190.28	18,678.49	-2.67%
EMPLOYEES PENSIONS & BENEFITS	224,289.28	142,683.08	1,214,632.95	1,062,397.32	-12.53%
MISC GENERAL EXPENSE	11,555.12	16,270.47	56,912.57	61,631.59	8.29%
RENT EXPENSE	13,834.40	13,816.91	69,684.68	71,593.24	2.74%
ENERGY CONSERVATION	39,131.23	21,621.51	183,309.09	155,274.16	-15.29%
<b>TOTAL OPERATION EXPENSES</b>	<b><u>894,924.40</u></b>	<b><u>746,035.97</u></b>	<b><u>4,386,432.11</u></b>	<b><u>4,185,225.35</u></b>	<b>-4.59%</b>
<b>MAINTENANCE EXPENSES:</b>					
MAINT OF TRANSMISSION PLANT	227.10	227.08	1,135.50	1,135.40	-0.01%
MAINT OF STRUCT AND EQUIPMT	66,218.79	30,059.78	265,485.45	145,412.49	-45.23%
MAINT OF LINES - OH	170,247.91	74,849.27	757,083.86	673,443.80	-11.05%
MAINT OF LINES - UG	17,327.00	1,124.29	65,400.30	49,675.76	-24.04%
MAINT OF LINE TRANSFORMERS	6,947.11	11,598.86	52,731.66	79,916.66	51.55%
MAINT OF ST LT & SIG SYSTEM	(34.91)	(60.03)	(103.36)	(304.13)	194.24%
MAINT OF GARAGE AND STOCKROOM	40,114.73	32,573.78	186,324.90	211,366.38	13.44%
MAINT OF METERS	0.00	0.00	0.00	0.00	0.00%
MAINT OF GEN PLANT	7,683.11	12,058.90	95,422.31	48,095.86	-49.60%
<b>TOTAL MAINTENANCE EXPENSES</b>	<b><u>308,730.84</u></b>	<b><u>162,431.93</u></b>	<b><u>1,423,480.62</u></b>	<b><u>1,208,742.22</u></b>	<b>-15.09%</b>
DEPRECIATION EXPENSE	321,788.79	328,732.65	1,608,943.95	1,643,663.25	2.16%
PURCHASED POWER FUEL EXPENSE	2,374,999.11	2,489,548.12	13,079,952.84	15,098,143.47	15.43%
VOLUNTARY PAYMENTS TO TOWNS	118,000.00	118,000.00	590,000.00	590,000.00	0.00%
<b>TOTAL OPERATING EXPENSES</b>	<b><u>6,157,590.79</u></b>	<b><u>6,207,587.42</u></b>	<b><u>33,648,240.22</u></b>	<b><u>36,201,915.26</u></b>	<b>7.59%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
11/30/15

SCHEDULE G

OPERATION EXPENSES:	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
PURCHASED POWER CAPACITY	7,618,471.87	7,716,187.00	(97,715.13)	-1.27%
PURCHASED POWER TRANSMISSION	5,857,669.10	5,703,823.00	153,846.10	2.70%
<b>TOTAL PURCHASED POWER</b>	<u>13,476,140.97</u>	<u>13,420,010.00</u>	<u>56,130.97</u>	0.42%
OPERATION SUP AND ENGINEERING EXP	221,618.40	256,450.00	(34,831.60)	-13.58%
STATION SUP LABOR AND MISC	61,030.43	33,788.00	27,242.43	80.63%
LINE MISC LABOR AND EXPENSE	306,507.10	269,468.00	37,039.10	13.75%
STATION LABOR AND EXPENSE	163,116.66	181,054.00	(17,937.34)	-9.91%
STREET LIGHTING EXPENSE	46,245.46	38,442.00	7,803.46	20.30%
METER EXPENSE	90,174.17	86,877.00	3,297.17	3.80%
MISC DISTRIBUTION EXPENSE	179,718.50	186,455.00	(6,736.50)	-3.61%
METER READING LABOR & EXPENSE	12,535.86	13,466.00	(930.14)	-6.91%
ACCT & COLL LABOR & EXPENSE	668,205.88	685,562.00	(17,356.12)	-2.53%
UNCOLLECTIBLE ACCOUNTS	50,000.00	50,000.00	0.00	0.00%
ENERGY AUDIT EXPENSE	232,149.26	195,228.00	36,921.26	18.91%
ADMIN & GEN SALARIES	356,960.00	337,586.00	19,374.00	5.74%
OFFICE SUPPLIES & EXPENSE	111,631.94	125,500.00	(13,868.06)	-11.05%
OUTSIDE SERVICES	159,544.94	178,722.00	(19,177.06)	-10.73%
PROPERTY INSURANCE	156,211.95	194,250.00	(38,038.05)	-19.58%
INJURIES AND DAMAGES	18,678.49	21,705.00	(3,026.51)	-13.94%
EMPLOYEES PENSIONS & BENEFITS	1,062,397.32	1,138,840.00	(76,442.68)	-6.71%
MISC GENERAL EXPENSE	61,631.59	128,744.00	(67,112.41)	-52.13%
RENT EXPENSE	71,593.24	88,335.00	(16,741.76)	-18.95%
ENERGY CONSERVATION	155,274.16	337,726.00	(182,451.84)	-54.02%
<b>TOTAL OPERATION EXPENSES</b>	<u>4,185,225.35</u>	<u>4,548,198.00</u>	<u>(362,972.65)</u>	-7.98%
<b>MAINTENANCE EXPENSES:</b>				
MAINT OF TRANSMISSION PLANT	1,135.40	1,250.00	(114.60)	-9.17%
MAINT OF STRUCT AND EQUIPMENT	145,412.49	153,820.00	(8,407.51)	-5.47%
MAINT OF LINES - OH	673,443.80	808,779.00	(135,335.20)	-16.73%
MAINT OF LINES - UG	49,675.76	82,099.00	(32,423.24)	-39.49%
MAINT OF LINE TRANSFORMERS	79,916.66	150,000.00	(70,083.34)	-46.72%
MAINT OF ST LT & SIG SYSTEM	(304.13)	4,126.00	(4,430.13)	-107.37%
MAINT OF GARAGE AND STOCKROOM	211,366.38	261,412.00	(50,045.62)	-19.14%
MAINT OF METERS	0.00	25,820.00	(25,820.00)	-100.00%
MAINT OF GEN PLANT	48,095.86	74,250.00	(26,154.14)	-35.22%
<b>TOTAL MAINTENANCE EXPENSES</b>	<u>1,208,742.22</u>	<u>1,561,556.00</u>	<u>(352,813.78)</u>	-22.59%
DEPRECIATION EXPENSE	1,643,663.25	1,659,650.00	(15,986.75)	-0.96%
PURCHASED POWER FUEL EXPENSE	15,098,143.47	14,366,835.00	731,308.47	5.09%
VOLUNTARY PAYMENTS TO TOWNS	590,000.00	590,000.00	0.00	0.00%
<b>TOTAL OPERATING EXPENSES</b>	<u>36,201,915.26</u>	<u>36,146,249.00</u>	<u>55,666.26</u>	0.15%

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
11/30/15

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	7,618,471.87	9,477,313.13	55.44%
PURCHASED POWER TRANSMISSION	JP	12,600,639.00	5,857,669.10	6,742,969.90	53.51%
<b>TOTAL PURCHASED POWER</b>		<u>29,696,424.00</u>	<u>13,476,140.97</u>	<u>16,220,283.03</u>	54.62%
OPERATION SUP AND ENGINEERING EXP	HJ	629,691.00	221,618.40	408,072.60	64.81%
STATION SUP LABOR AND MISC	HJ	84,858.00	61,030.43	23,827.57	28.08%
LINE MISC LABOR AND EXPENSE	HJ	666,641.00	306,507.10	360,133.90	54.02%
STATION LABOR AND EXPENSE	HJ	448,347.00	163,116.66	285,230.34	63.62%
STREET LIGHTING EXPENSE	HJ	93,347.00	46,245.46	47,101.54	50.46%
METER EXPENSE	HJ	233,648.00	90,174.17	143,473.83	61.41%
MISC DISTRIBUTION EXPENSE	HJ	457,068.00	179,718.50	277,349.50	60.68%
METER READING LABOR & EXPENSE	HJ	32,578.00	12,535.86	20,042.14	61.52%
ACCT & COLL LABOR & EXPENSE	RF	1,693,219.00	668,205.88	1,025,013.12	60.54%
UNCOLLECTIBLE ACCOUNTS	JP	120,000.00	50,000.00	70,000.00	58.33%
ENERGY AUDIT EXPENSE	JP	482,273.00	232,149.26	250,123.74	51.86%
ADMIN & GEN SALARIES	CO	838,461.00	356,960.00	481,501.00	57.43%
OFFICE SUPPLIES & EXPENSE	CO	301,000.00	111,631.94	189,368.06	62.91%
OUTSIDE SERVICES	CO	377,332.00	159,544.94	217,787.06	57.72%
PROPERTY INSURANCE	HJ	466,200.00	156,211.95	309,988.05	66.49%
INJURIES AND DAMAGES	HJ	51,254.00	18,678.49	32,575.51	63.56%
EMPLOYEES PENSIONS & BENEFITS	HJ	2,633,591.00	1,062,397.32	1,571,193.68	59.66%
MISC GENERAL EXPENSE	CO	231,022.00	61,631.59	169,390.41	73.32%
RENT EXPENSE	HJ	212,000.00	71,593.24	140,406.76	66.23%
ENERGY CONSERVATION	JP	816,602.00	155,274.16	661,327.84	80.99%
<b>TOTAL OPERATION EXPENSES</b>		<u>10,869,132.00</u>	<u>4,185,225.35</u>	<u>6,683,906.65</u>	61.49%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	HJ	3,000.00	1,135.40	1,864.60	62.15%
MAINT OF STRUCT AND EQUIPMT	HJ	484,026.00	145,412.49	338,613.51	69.96%
MAINT OF LINES - OH	HJ	1,675,794.00	673,443.80	1,002,350.20	59.81%
MAINT OF LINES - UG	HJ	130,694.00	49,675.76	81,018.24	61.99%
MAINT OF LINE TRANSFORMERS	HJ	156,000.00	79,916.66	76,083.34	48.77%
MAINT OF ST LT & SIG SYSTEM	HJ	9,745.00	(304.13)	10,049.13	103.12%
MAINT OF GARAGE AND STOCKROOM	HJ	660,131.00	211,366.38	448,764.62	67.98%
MAINT OF METERS	HJ	43,875.00	0.00	43,875.00	100.00%
MAINT OF GEN PLANT	RF	178,200.00	48,095.86	130,104.14	73.01%
<b>TOTAL MAINTENANCE EXPENSES</b>		<u>3,341,465.00</u>	<u>1,208,742.22</u>	<u>2,132,722.78</u>	63.83%
DEPRECIATION EXPENSE	RF	3,983,145.00	1,643,663.25	2,339,481.75	58.73%
PURCHASED POWER FUEL EXPENSE	JP	34,326,329.00	15,098,143.47	19,228,185.53	56.02%
VOLUNTARY PAYMENTS TO TOWNS	RF	1,416,000.00	590,000.00	826,000.00	58.33%
<b>TOTAL OPERATING EXPENSES</b>		<u>83,632,495.00</u>	<u>36,201,915.26</u>	<u>47,430,579.74</u>	56.71%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
PROFESSIONAL SERVICES  
11/30/2015

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	43,922.44	57,625.00	(13,702.56)
3 NERC COMPLIANCE AND AUDIT	E & O	18,725.85	6,625.00	12,100.85
4 LEGAL- SOLAR/FIBER	ENGINEERING	9,616.00	4,165.00	5,451.00
5 LEGAL-GENERAL	GM	27,419.40	31,250.00	(3,830.60)
6 LEGAL SERVICES	HR	20,366.00	28,642.00	(8,276.00)
7 SURVEY RIGHT OF WAY/ ENVIRONMENTAL	BLDG. MAINT.	0.00	4,165.00	(4,165.00)
8 INSURANCE CONSULTANT/OTHER	GEN. BENEFIT	10,600.00	11,250.00	(650.00)
TOTAL		<u>159,544.94</u>	<u>178,722.00</u>	<u>(19,177.06)</u>

PROFESSIONAL SERVICES BY VENDOR

	ACTUAL
MELANSON HEATH	28,500.00
DUNCAN AND ALLEN	25,232.62
CHOATE HALL & STEWART	501.60
COTTE MANAGEMENT CONSULTING LLC	633.75
UTILITY SERVICE INC.	5,950.00
RUBIN AND RUDMAN	66,960.97
SMERCZYNSKI & CONN, PC	11,550.00
PLM ELECTRIC POWER ENGINEERING	9,616.00
FLEET COUNSELOR SERVICES INC.	10,600.00
TOTAL	<u>159,544.94</u>

RMLD  
 DEFERRED FUEL CASH RESERVE ANALYSIS  
 11/30/15

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
<hr/>					
	15,098,143.47	14,799,276.86	(429,770.00)	(728,636.61)	



RMLD  
 BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE  
 11/30/15

DIVISION	ACTUAL	BUDGET	VARIANCE	VAR %
BUSINESS DIVISION	4,140,195	4,214,612	(74,417)	-1.77%
INTEGRATED RESOURCES	431,346	590,580	(159,234)	-26.96%
ENGINEERING AND OPERATIONS	1,973,258	2,208,802	(235,545)	-10.66%
FACILITY	1,766,583	1,971,427	(204,845)	-10.39%
GENERAL MANAGER	<u>304,832</u>	<u>362,357</u>	<u>(57,524)</u>	-15.88%
SUB-TOTAL	8,616,213	9,347,778	(731,565)	-7.83%
PURCHASED POWER BASE	13,476,141	13,420,010	56,131	0.42%
PURCHASED POWER FUEL	15,098,143	14,366,835	731,308	5.09%
TOTAL	<u><u>37,190,498</u></u>	<u><u>37,134,623</u></u>	<u><u>55,875</u></u>	0.15%

Dt: January 26, 2016

To: RMLB, Coleen O'Brien, Jeanne Foti

Fr: Bob Fournier *Bob Fournier 1/26/16*

**Sj: December 31, 2015 Report**

The results for the first six months ending December 31, 2015, for the fiscal year 2016 will be summarized in the following paragraphs.

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

\*For the month of December, the net loss or the negative change in net assets was \$648,954 thereby reducing the year to date net income to \$1,087,966. The year to date budgeted net income was \$1,807,087, resulting in net income being under budget by \$719,120 or 39.79%. Actual year to date fuel expenses exceeded fuel revenues by \$750,115 and purchased power capacity and transmission (ppct) expenses exceeded ppct revenues by \$782,710.

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

\*Year to date base revenues exceeded the budget amount by \$214,773 or 1.79%. Actual base revenues were \$12.2 million compared to the budgeted amount of \$12.0 million.

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

\*Year to date purchased power base expense was over budget by \$378,335 or 2.39%. Actual purchased power base costs were \$16.2 million and budgeted power base costs were \$15.8 million.

\*Year to date operating and maintenance (O&M) expenses combined were under budget by \$622,048 or 8.4%. Actual O&M expenses were \$6.7 million while budgeted expenses were at \$7.3 million.

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

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

- \*Operating Fund was at \$11,355,085.
- \* Capital Fund balance was at \$6,426,278.
- \* Rate Stabilization Fund was at \$6,796,669.
- \* Deferred Fuel Fund was at \$4,430,170.
- \* Energy Conservation Fund was at \$730,732.

**5) General Information:**

\*Year to date kwh sales (Page 5) were 358,836,960 which is 2.0 million kwh or .56%, ahead last year's actual figure.

**6) Budget Variance:**

\*Cumulatively, the five divisions were under budget by \$651,997 or 5.78%

# **FINANCIAL REPORT**

**DECEMBER 31, 2015**

**ISSUE DATE: JANUARY 26, 2016**



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF NET ASSETS  
12/31/15

	PREVIOUS YEAR	CURRENT YEAR
<b>ASSETS</b>		
<b>CURRENT</b>		
UNRESTRICTED CASH (SCH A P.9)	10,584,094.96	11,358,085.47
RESTRICTED CASH (SCH A P.9)	21,613,150.32	21,442,729.78
RESTRICTED INVESTMENTS (SCH A P.9)	1,292,906.26	1,284,061.45
RECEIVABLES, NET (SCH B P.10)	8,379,329.54	7,501,623.12
PREPAID EXPENSES (SCH B P.10)	2,111,849.72	2,750,539.26
OTHER DEFERRED DEBITS (SCH B P.10)	0.00	1,547,815.00
INVENTORY	1,429,545.03	1,674,959.04
<b>TOTAL CURRENT ASSETS</b>	<b>45,410,875.83</b>	<b>47,559,813.12</b>
<b>NONCURRENT</b>		
INVESTMENT IN ASSOCIATED CO (SCH C P.2)	26,993.75	26,993.75
CAPITAL ASSETS, NET (SCH C P.2)	69,697,352.11	70,337,308.32
<b>TOTAL NONCURRENT ASSETS</b>	<b>69,724,345.86</b>	<b>70,364,302.07</b>
<b>TOTAL ASSETS</b>	<b>115,135,221.69</b>	<b>117,924,115.19</b>
 <b>LIABILITIES</b>		
<b>CURRENT</b>		
ACCOUNTS PAYABLE	5,725,254.05	7,304,330.51
CUSTOMER DEPOSITS	835,189.91	903,279.18
CUSTOMER ADVANCES FOR CONSTRUCTION	565,058.48	938,349.15
ACCRUED LIABILITIES	164,997.28	3,174,618.47
<b>TOTAL CURRENT LIABILITIES</b>	<b>7,290,499.72</b>	<b>12,320,577.31</b>
<b>NONCURRENT</b>		
ACCRUED EMPLOYEE COMPENSATED ABSENCES	2,918,870.73	3,070,487.93
<b>TOTAL NONCURRENT LIABILITIES</b>	<b>2,918,870.73</b>	<b>3,070,487.93</b>
<b>TOTAL LIABILITIES</b>	<b>10,209,370.45</b>	<b>15,391,065.24</b>
 <b>NET ASSETS</b>		
INVESTED IN CAPITAL ASSETS, NET OF RELATED DEBT	69,697,352.11	70,337,308.32
RESTRICTED FOR DEPRECIATION FUND (P.9)	5,638,141.20	6,426,278.58
UNRESTRICTED	29,590,357.93	25,769,463.05
<b>TOTAL NET ASSETS (P.3)</b>	<b>104,925,851.24</b>	<b>102,533,049.95</b>
<b>TOTAL LIABILITIES AND NET ASSETS</b>	<b>115,135,221.69</b>	<b>117,924,115.19</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
NONCURRENT ASSET SCHEDULE  
12/31/15

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	26,993.75	26,993.75
SCHEDULE OF CAPITAL ASSETS		
LAND	1,265,842.23	1,265,842.23
STRUCTURES AND IMPROVEMENTS	6,108,069.51	6,481,420.15
EQUIPMENT AND FURNISHINGS	12,418,272.32	11,899,631.47
INFRASTRUCTURE	49,905,168.05	50,690,414.47
TOTAL CAPITAL ASSETS, NET	69,697,352.11	70,337,308.32
TOTAL NONCURRENT ASSETS	69,724,345.86	70,364,302.07

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
12/31/15

	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
OPERATING REVENUES: (SCH D P.11)					
BASE REVENUE	1,688,491.45	1,759,727.09	11,069,787.66	12,234,940.46	10.53%
FUEL REVENUE	2,662,761.53	2,826,699.78	17,892,702.47	17,625,976.64	-1.49%
PURCHASED POWER CAPACITY	2,332,107.41	2,200,292.86	15,037,567.39	15,422,436.34	2.56%
FORFEITED DISCOUNTS	69,156.18	86,146.38	391,523.13	405,781.68	3.64%
ENERGY CONSERVATION REVENUE	52,180.89	50,272.62	349,027.07	351,624.05	0.74%
NYPA CREDIT	(81,999.49)	(91,032.01)	(382,262.82)	(520,802.01)	36.24%
<b>TOTAL OPERATING REVENUES</b>	<b>6,722,697.97</b>	<b>6,832,106.72</b>	<b>44,358,344.90</b>	<b>45,519,957.16</b>	<b>2.62%</b>
OPERATING EXPENSES: (SCH E P.12)					
PURCHASED POWER CAPACITY	1,414,428.94	1,773,743.78	8,328,932.33	9,392,215.65	12.77%
PURCHASED POWER TRANSMISSION	814,302.36	955,262.13	6,459,229.67	6,812,931.23	5.48%
PURCHASED POWER FUEL	2,754,212.60	2,757,146.26	15,834,165.44	17,855,289.73	12.76%
OPERATING	1,034,196.71	1,090,311.58	5,420,628.82	5,275,536.93	-2.68%
MAINTENANCE	288,553.09	287,885.24	1,712,033.71	1,496,627.46	-12.58%
DEPRECIATION	321,788.79	328,732.65	1,930,732.74	1,972,395.90	2.16%
VOLUNTARY PAYMENTS TO TOWNS	108,754.00	106,973.00	698,754.00	696,973.00	-0.25%
<b>TOTAL OPERATING EXPENSES</b>	<b>6,736,236.49</b>	<b>7,300,054.64</b>	<b>40,384,476.71</b>	<b>43,501,969.90</b>	<b>7.72%</b>
<b>OPERATING INCOME</b>	<b>(13,538.52)</b>	<b>(467,947.92)</b>	<b>3,973,868.19</b>	<b>2,017,987.26</b>	<b>-49.22%</b>
NONOPERATING REVENUES (EXPENSES)					
CONTRIBUTIONS IN AID OF CONST	72,324.72	(458.39)	77,361.92	38,444.74	-50.31%
RETURN ON INVESTMENT TO READING	(194,405.25)	(197,537.10)	(1,166,431.50)	(1,185,222.50)	1.61%
INTEREST INCOME	13,520.26	14,139.36	70,884.88	69,114.38	-2.50%
INTEREST EXPENSE	(1,500.29)	(189.44)	(2,793.19)	(1,087.01)	-61.08%
OTHER (MDSE AND AMORT)	2,404.75	3,039.25	99,626.78	148,729.85	49.29%
<b>TOTAL NONOPERATING REV (EXP)</b>	<b>(107,655.81)</b>	<b>(181,006.32)</b>	<b>(921,351.11)</b>	<b>(930,020.54)</b>	<b>0.94%</b>
<b>CHANGE IN NET ASSETS</b>	<b>(121,194.33)</b>	<b>(648,954.24)</b>	<b>3,052,517.08</b>	<b>1,087,966.72</b>	<b>-64.36%</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 DECEMBER</b>			<b>104,925,851.24</b>	<b>102,533,049.95</b>	<b>-2.28%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUSINESS-TYPE PROPRIETARY FUND  
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET ASSETS  
12/31/15

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE*	% CHANGE
OPERATING REVENUES: (SCH F P.11B)				
BASE REVENUE	12,234,940.46	12,020,167.00	214,773.46	1.79%
FUEL REVENUE	17,625,976.64	17,985,930.00	(359,953.36)	-2.00%
PURCHASED POWER CAPACITY	15,422,436.34	15,826,811.00	(404,374.66)	-2.55%
FORFEITED DISCOUNTS	405,781.68	360,606.00	45,175.68	12.53%
ENERGY CONSERVATION REVENUE	351,624.05	351,157.00	467.05	0.13%
NYPA CREDIT	(520,802.01)	(450,000.00)	(70,802.01)	15.73%
<b>TOTAL OPERATING REVENUES</b>	<b>45,519,957.16</b>	<b>46,094,671.00</b>	<b>(574,713.84)</b>	<b>-1.25%</b>
OPERATING EXPENSES: (SCH G P.12A)				
PURCHASED POWER - CAPACITY	9,392,215.65	9,266,550.00	125,665.65	1.36%
PURCHASED POWER - TRANSMISSION	6,812,931.23	6,560,261.00	252,670.23	3.85%
PURCHASED POWER FUEL	17,855,289.73	17,535,930.00	319,359.73	1.82%
OPERATING MAINTENANCE	5,275,536.93	5,518,895.00	(243,358.07)	-4.41%
DEPRECIATION	1,496,627.46	1,875,318.00	(378,690.54)	-20.19%
VOLUNTARY PAYMENTS TO TOWNS	1,972,395.90	1,991,580.00	(19,184.10)	-0.96%
	696,973.00	708,000.00	(11,027.00)	-1.56%
<b>TOTAL OPERATING EXPENSES</b>	<b>43,501,969.90</b>	<b>43,456,534.00</b>	<b>45,435.90</b>	<b>0.10%</b>
<b>OPERATING INCOME</b>	<b>2,017,987.26</b>	<b>2,638,137.00</b>	<b>(620,149.74)</b>	<b>-23.51%</b>
NONOPERATING REVENUES (EXPENSES)				
CONTRIBUTIONS IN AID OF CONST	38,444.74	100,000.00	(61,555.26)	-61.56%
RETURN ON INVESTMENT TO READING	(1,185,222.50)	(1,185,000.00)	(222.50)	0.02%
INTEREST INCOME	69,114.38	75,000.00	(5,885.62)	-7.85%
INTEREST EXPENSE	(1,087.01)	(1,050.00)	(37.01)	3.52%
OTHER (MDSE AND AMORT)	148,729.85	180,000.00	(31,270.15)	-17.37%
<b>TOTAL NONOPERATING REV (EXP)</b>	<b>(930,020.54)</b>	<b>(831,050.00)</b>	<b>(98,970.54)</b>	<b>11.91%</b>
<b>CHANGE IN NET ASSETS</b>	<b>1,087,966.72</b>	<b>1,807,087.00</b>	<b>(719,120.28)</b>	<b>-39.79%</b>
<b>NET ASSETS AT BEGINNING OF YEAR</b>	<b>101,445,083.23</b>	<b>101,445,083.23</b>	<b>0.00</b>	<b>0.00%</b>
<b>NET ASSETS AT END OF DECEMBER</b>	<b>102,533,049.95</b>	<b>103,252,170.23</b>	<b>(719,120.28)</b>	<b>-0.70%</b>

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
RECONCILIATION OF CAPITAL FUNDS  
12/31/15

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>1,972,395.90</u>
TOTAL SOURCE OF CAPITAL FUNDS	8,819,586.27

USE OF CAPITAL FUNDS:

LESS PAID ADDITIONS TO PLANT THRU DECEMBER	
TOTAL USE OF CAPITAL FUNDS	2,393,307.69
GENERAL LEDGER CAPITAL FUNDS BALANCE 12/31/15	<u><u>6,426,278.58</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SALES OF KILOWATT HOURS  
12/31/15

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	20,300,731	18,891,467	132,001,856	134,467,011	1.87%
COMM. AND INDUSTRIAL SALES	30,366,339	29,987,560	209,130,663	209,094,489	-0.02%
PRIVATE STREET LIGHTING	79,634	79,996	473,424	477,356	0.83%
<b>TOTAL PRIVATE CONSUMERS</b>	<u>50,746,704</u>	<u>48,959,023</u>	<u>341,605,943</u>	<u>344,038,856</u>	0.71%
 MUNICIPAL SALES:					
STREET LIGHTING	242,689	222,241	1,457,065	1,381,864	-5.16%
MUNICIPAL BUILDINGS	781,454	733,200	4,744,852	4,604,141	-2.97%
<b>TOTAL MUNICIPAL CONSUMERS</b>	<u>1,024,143</u>	<u>955,441</u>	<u>6,201,917</u>	<u>5,986,005</u>	-3.48%
SALES FOR RESALE	220,731	203,566	1,771,693	1,726,301	-2.56%
SCHOOL	1,318,323	1,233,814	7,271,199	7,085,798	-2.55%
<b>TOTAL KILOWATT HOURS SOLD</b>	<u>53,309,901</u>	<u>51,351,844</u>	<u>356,850,752</u>	<u>358,836,960</u>	0.56%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
KILOWATT HOURS SOLD BY TOWN  
12/31/15

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	18,891,467	6,211,670	2,601,294	3,928,181	6,150,322
COMM & IND	29,987,560	3,547,215	260,080	4,717,971	21,462,294
PVT ST LIGHTS	79,996	13,418	1,664	24,811	40,103
PUB ST LIGHTS	222,241	75,000	28,790	39,629	78,822
MUNI BLDGS	733,200	191,543	165,914	110,185	265,558
SALES/RESALE	203,566	203,566	0	0	0
SCHOOL	1,233,814	412,993	290,953	234,400	295,468
<b>TOTAL</b>	<b>51,351,844</b>	<b>10,655,405</b>	<b>3,348,695</b>	<b>9,055,177</b>	<b>28,292,567</b>

YEAR TO DATE

RESIDENTIAL	134,467,011	42,788,610	19,315,546	31,001,445	41,361,410
COMM & IND	209,094,489	24,617,157	1,638,702	31,972,010	150,866,620
PVT ST LIGHTS	477,356	80,508	9,146	149,024	238,678
PUB ST LIGHTS	1,381,864	466,044	183,295	243,756	488,769
MUNI BLDGS	4,604,141	1,019,491	1,043,910	843,774	1,696,966
SALES/RESALE	1,726,301	1,726,301	0	0	0
SCHOOL	7,085,798	2,434,821	1,513,222	1,509,380	1,628,375
<b>TOTAL</b>	<b>358,836,960</b>	<b>73,132,932</b>	<b>23,703,821</b>	<b>65,719,389</b>	<b>196,280,818</b>

LAST YEAR TO DATE

RESIDENTIAL	132,001,856	40,728,564	19,235,022	30,191,268	41,847,002
COMM & IND	209,130,663	25,652,832	1,634,982	32,300,531	149,542,318
PVT ST LIGHTS	473,424	80,192	9,144	148,826	235,262
PUB ST LIGHTS	1,457,065	489,641	196,757	256,065	514,602
MUNI BLDGS	4,744,852	1,156,623	1,012,866	876,551	1,698,812
SALES/RESALE	1,771,693	1,771,693	0	0	0
SCHOOL	7,271,199	2,511,266	1,547,450	1,121,640	2,090,843
<b>TOTAL</b>	<b>356,850,752</b>	<b>72,390,811</b>	<b>23,636,221</b>	<b>64,894,881</b>	<b>195,928,839</b>

KILOWATT HOURS SOLD TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	36.79%	12.10%	5.07%	7.65%	11.98%
COMM & IND	58.40%	6.91%	0.51%	9.19%	41.79%
PVT ST LIGHTS	0.16%	0.03%	0.00%	0.05%	0.08%
PUB ST LIGHTS	0.43%	0.15%	0.06%	0.08%	0.15%
MUNI BLDGS	1.43%	0.37%	0.32%	0.21%	0.52%
SALES/RESALE	0.40%	0.40%	0.00%	0.00%	0.00%
SCHOOL	2.40%	0.80%	0.57%	0.46%	0.58%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.75%</b>	<b>6.52%</b>	<b>17.63%</b>	<b>55.10%</b>

YEAR TO DATE

RESIDENTIAL	37.47%	11.92%	5.38%	8.64%	11.53%
COMM & IND	58.27%	6.86%	0.46%	8.91%	42.04%
PVT ST LIGHTS	0.13%	0.02%	0.00%	0.04%	0.07%
PUB ST LIGHTS	0.39%	0.13%	0.05%	0.07%	0.14%
MUNI BLDGS	1.28%	0.28%	0.29%	0.24%	0.47%
SALES/RESALE	0.48%	0.48%	0.00%	0.00%	0.00%
SCHOOL	1.97%	0.68%	0.42%	0.42%	0.45%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.38%</b>	<b>6.61%</b>	<b>18.31%</b>	<b>54.70%</b>

LAST YEAR TO DATE

RESIDENTIAL	36.99%	11.41%	5.39%	8.46%	11.73%
COMM & IND	58.60%	7.19%	0.46%	9.05%	41.90%
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	1.33%	0.32%	0.28%	0.25%	0.48%
SALES/RESALE	0.50%	0.50%	0.00%	0.00%	0.00%
SCHOOL	2.04%	0.70%	0.43%	0.31%	0.60%
<b>TOTAL</b>	<b>100.00%</b>	<b>20.28%</b>	<b>6.62%</b>	<b>18.18%</b>	<b>54.92%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
FORMULA INCOME  
12/31/15

TOTAL OPERATING REVENUES	(P.3)	45,519,957.16
ADD:		
POLE RENTAL		0.00
INTEREST INCOME ON CUSTOMER DEPOSITS		2,618.83
LESS:		
OPERATING EXPENSES	(P.3)	(43,501,969.90)
CUSTOMER DEPOSIT INTEREST EXPENSE		(1,087.01)
FORMULA INCOME (LOSS)		<u>2,019,519.08</u>



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
GENERAL STATISTICS  
12/31/15

		MONTH OF DEC 2014	MONTH OF DEC 2015	% CHANGE		YEAR DEC 2014	THRU DEC 2015
				2014	2015		
SALE OF KWH	(P.5)	53,309,901	51,351,844	-1.57%	0.56%	356,850,752	358,836,960
KWH PURCHASED		51,136,295	56,019,481	-5.19%	-10.99%	356,594,886	317,401,919
AVE BASE COST PER KWH		0.027660	0.031663	-40.64%	26.69%	0.023357	0.029591
AVE BASE SALE PER KWH		0.031673	0.034268	-52.34%	9.91%	0.031021	0.034096
AVE COST PER KWH		0.081520	0.080881	-16.71%	26.69%	0.067761	0.085845
AVE SALE PER KWH		0.081622	0.089314	-25.38%	2.53%	0.081161	0.083216
FUEL CHARGE REVENUE	(P.3)	2,662,761.53	2,826,699.78	12.97%	-1.49%	17,892,702.47	17,625,976.64
LOAD FACTOR		63.96%	76.50%				
PEAK LOAD		109,529	100,307				

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF CASH AND INVESTMENTS  
12/31/15

SCHEDULE A

	PREVIOUS YEAR	CURRENT YEAR
<b>UNRESTRICTED CASH</b>		
CASH - OPERATING FUND	10,581,094.96	11,355,085.47
CASH - PETTY CASH	3,000.00	3,000.00
TOTAL UNRESTRICTED CASH	10,584,094.96	11,358,085.47
 <b>RESTRICTED CASH</b>		
CASH - DEPRECIATION FUND	5,638,141.20	6,426,278.58
CASH - DEFERRED FUEL RESERVE	5,808,969.17	4,430,170.05
CASH - RATE STABILIZATION FUND	6,752,704.96	6,796,669.46
CASH - UNCOLLECTIBLE ACCTS RESERVE	200,000.00	200,000.00
CASH - SICK LEAVE BENEFITS	1,703,067.10	1,805,599.83
CASH - HAZARD WASTE RESERVE	150,000.00	150,000.00
CASH - CUSTOMER DEPOSITS	835,189.91	903,279.18
CASH - ENERGY CONSERVATION	525,077.98	730,732.68
TOTAL RESTRICTED CASH	21,613,150.32	21,442,729.78
 <b>INVESTMENTS</b>		
SICK LEAVE BUYBACK	1,292,906.26	1,284,061.45
TOTAL CASH BALANCE	33,490,151.54	34,084,876.70

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF ACCOUNTS RECEIVABLE  
12/31/15

SCHEDULE B

SCHEDULE OF ACCOUNTS RECEIVABLE	PREVIOUS YEAR	CURRENT YEAR
RESIDENTIAL AND COMMERCIAL	3,112,258.30	2,418,544.56
ACCOUNTS RECEIVABLE - OTHER	109,841.03	272,786.58
ACCOUNTS RECEIVABLE - LIENS	37,433.70	22,443.87
ACCOUNTS RECEIVABLE - EMPLOYEE ADVANCES	892.14	543.53
SALES DISCOUNT LIABILITY	(241,453.34)	(125,309.24)
RESERVE FOR UNCOLLECTIBLE ACCOUNTS	<u>(261,911.57)</u>	<u>(253,736.13)</u>
TOTAL ACCOUNTS RECEIVABLE BILLED	2,757,060.26	2,335,273.17
UNBILLED ACCOUNTS RECEIVABLE	5,622,269.28	5,166,349.95
TOTAL ACCOUNTS RECEIVABLE, NET	<u><u>8,379,329.54</u></u>	<u><u>7,501,623.12</u></u>

SCHEDULE OF PREPAYMENTS

PREPAID INSURANCE	1,363,687.83	1,370,613.29
PREPAYMENT PURCHASED POWER	292,218.45	787,589.59
PREPAYMENT PASNY	259,957.39	307,572.50
PREPAYMENT WATSON	183,285.94	269,893.82
PURCHASED POWER WORKING CAPITAL	12,700.11	14,870.06
TOTAL PREPAYMENT	<u><u>2,111,849.72</u></u>	<u><u>2,750,539.26</u></u>

OTHER DEFERRED DEBITS	<u><u>0.00</u></u>	<u><u>1,547,815.00</u></u>
-----------------------	--------------------	----------------------------

ACCOUNTS RECEIVABLE AGING DECEMBER 2015:

RESIDENTIAL AND COMMERCIAL	2,418,544.56
LESS: SALES DISCOUNT LIABILITY	<u>(125,309.24)</u>
GENERAL LEDGER BALANCE	<u><u>2,293,235.32</u></u>

CURRENT	1,788,285.12	77.98%
30 DAYS	285,804.39	12.46%
60 DAYS	116,671.20	5.09%
90 DAYS	48,777.48	2.13%
OVER 90 DAYS	<u>53,697.13</u>	<u>2.34%</u>
TOTAL	<u><u>2,293,235.32</u></u>	<u><u>100.00%</u></u>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE  
12/31/15

SCHEDULE D

SALES OF ELECTRICITY:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
RESIDENTIAL SALES	1,931,030.98	1,981,917.70	12,602,060.91	13,246,809.25	5.12%
COMM AND INDUSTRIAL SALES	2,198,959.18	2,409,026.19	15,036,790.21	15,380,916.01	2.29%
PRIVATE STREET LIGHTING	9,509.48	10,569.04	56,577.48	60,437.65	6.82%
<b>TOTAL PRIVATE CONSUMERS</b>	<u>4,139,499.64</u>	<u>4,401,512.93</u>	<u>27,695,428.60</u>	<u>28,688,162.91</u>	3.58%
 MUNICIPAL SALES:					
STREET LIGHTING	29,862.95	(4,604.98)	179,165.20	71,970.65	-59.83%
MUNICIPAL BUILDINGS	63,341.27	65,864.54	378,010.93	380,857.53	0.75%
<b>TOTAL MUNICIPAL CONSUMERS</b>	<u>93,204.22</u>	<u>61,259.56</u>	<u>557,176.13</u>	<u>452,828.18</u>	-18.73%
 SALES FOR RESALE	 18,738.74	 19,010.76	 151,783.49	 149,317.64	 -1.62%
 SCHOOL	 99,810.38	 104,643.62	 558,101.91	 570,608.37	 2.24%
 <b>SUB-TOTAL</b>	 <u>4,351,252.98</u>	 <u>4,586,426.87</u>	 <u>28,962,490.13</u>	 <u>29,860,917.10</u>	 3.10%
 FORFEITED DISCOUNTS	 69,156.18	 86,146.38	 391,523.13	 405,781.68	 3.64%
 PURCHASED POWER CAPACITY	 2,332,107.41	 2,200,292.86	 15,037,567.39	 15,422,436.34	 2.56%
 ENERGY CONSERVATION - RESIDENTIAL	 20,310.69	 18,899.14	 132,054.59	 134,529.71	 1.87%
ENERGY CONSERVATION - COMMERCIAL	31,870.20	31,373.48	216,972.48	217,094.34	0.06%
 NYPA CREDIT	 (81,999.49)	 (91,032.01)	 (382,262.82)	 (520,802.01)	 36.24%
 <b>TOTAL REVENUE</b>	 <u>6,722,697.97</u>	 <u>6,832,106.72</u>	 <u>44,358,344.90</u>	 <u>45,519,957.16</u>	 2.62%



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING REVENUE BY TOWN  
12/31/15

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	1,981,917.70	654,968.42	270,959.19	413,254.41	642,735.68
INDUS/MUNI BLDG	2,474,890.73	336,926.36	39,154.96	401,236.56	1,697,572.85
PUB. ST. LIGHTS	(4,604.98)	(1,565.69)	(598.65)	(828.90)	(1,611.74)
PRV. ST. LIGHTS	10,569.04	1,725.69	228.45	3,423.47	5,191.43
CO-OP RESALE	19,010.76	19,010.76	0.00	0.00	0.00
SCHOOL	104,643.62	35,469.57	23,380.11	21,432.42	24,361.52
<b>TOTAL</b>	<b>4,586,426.87</b>	<b>1,046,535.11</b>	<b>333,124.06</b>	<b>838,517.96</b>	<b>2,368,249.74</b>

THIS YEAR TO DATE

RESIDENTIAL	13,246,809.25	4,242,601.25	1,886,807.25	3,044,224.28	4,073,176.47
INDUS/MUNI BLDG	15,761,773.54	2,114,888.60	229,784.25	2,518,798.17	10,898,302.52
PUB. ST. LIGHTS	71,970.65	24,470.02	9,356.18	12,954.72	25,189.73
PRV. ST. LIGHTS	60,437.65	9,917.63	1,196.69	19,728.24	29,595.09
CO-OP RESALE	149,317.64	149,317.64	0.00	0.00	0.00
SCHOOL	570,608.37	197,135.09	118,599.97	127,061.68	127,811.63
<b>TOTAL</b>	<b>29,860,917.10</b>	<b>6,738,330.23</b>	<b>2,245,744.32</b>	<b>5,722,767.10</b>	<b>15,154,075.45</b>

LAST YEAR TO DATE

RESIDENTIAL	12,602,060.91	3,907,480.73	1,823,444.98	2,875,877.06	3,995,258.14
INDUS/MUNI BLDG	15,414,801.14	2,143,065.81	216,197.37	2,502,007.04	10,553,530.92
PUB. ST. LIGHTS	179,165.20	60,085.38	24,144.48	31,604.80	63,330.54
PRV. ST. LIGHTS	56,577.48	9,414.06	1,110.96	18,425.51	27,626.95
CO-OP RESALE	151,783.49	151,783.49	0.00	0.00	0.00
SCHOOL	558,101.91	194,742.93	117,493.21	88,077.12	157,788.65
<b>TOTAL</b>	<b>28,962,490.13</b>	<b>6,466,572.40</b>	<b>2,182,391.00</b>	<b>5,515,991.53</b>	<b>14,797,535.20</b>

PERCENTAGE OF OPERATING INCOME TO TOTAL

MONTH	TOTAL	READING	LYNNFIELD	NO. READING	WILMINGTON
RESIDENTIAL	43.21%	14.28%	5.91%	9.01%	14.01%
INDUS/MUNI BLDG	53.97%	7.35%	0.85%	8.75%	37.02%
PUB. ST. LIGHTS	-0.10%	-0.03%	-0.01%	-0.02%	-0.04%
PRV. ST. LIGHTS	0.23%	0.04%	0.00%	0.07%	0.12%
CO-OP RESALE	0.41%	0.41%	0.00%	0.00%	0.00%
SCHOOL	2.28%	0.77%	0.51%	0.47%	0.53%
<b>TOTAL</b>	<b>100.00%</b>	<b>22.82%</b>	<b>7.26%</b>	<b>18.28%</b>	<b>51.64%</b>

THIS YEAR TO DATE

RESIDENTIAL	44.36%	14.21%	6.32%	10.19%	13.64%
INDUS/MUNI BLDG	52.79%	7.08%	0.77%	8.44%	36.50%
PUB. ST. LIGHTS	0.24%	0.08%	0.03%	0.04%	0.09%
PRV. ST. LIGHTS	0.20%	0.03%	0.00%	0.07%	0.10%
CO-OP RESALE	0.50%	0.50%	0.00%	0.00%	0.00%
SCHOOL	1.91%	0.66%	0.40%	0.43%	0.42%
<b>TOTAL</b>	<b>100.00%</b>	<b>22.56%</b>	<b>7.52%</b>	<b>19.17%</b>	<b>50.75%</b>

LAST YEAR TO DATE

RESIDENTIAL	43.51%	13.49%	6.30%	9.93%	13.79%
INDUS/MUNI BLDG	53.24%	7.41%	0.75%	8.64%	36.44%
PUB. ST. LIGHTS	0.62%	0.21%	0.08%	0.11%	0.22%
PRV. ST. LIGHTS	0.19%	0.03%	0.00%	0.06%	0.10%
CO-OP RESALE	0.52%	0.52%	0.00%	0.00%	0.00%
SCHOOL	1.92%	0.67%	0.41%	0.30%	0.54%
<b>TOTAL</b>	<b>100.00%</b>	<b>22.33%</b>	<b>7.54%</b>	<b>19.04%</b>	<b>51.09%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED REVENUE VARIANCE REPORT  
12/31/15

SCHEDULE F

	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	% CHANGE
SALES OF ELECTRICITY:				
RESIDENTIAL	6,622,804.81	6,520,139.00	102,665.81	1.57%
COMM AND INDUSTRIAL SALES PRIVATE STREET LIGHTING MUNICIPAL BUILDINGS	5,288,863.40	5,037,322.00	251,541.40	4.99%
PUBLIC STREET LIGHTING	38,836.82	189,530.00	(150,693.18)	-79.51%
SALES FOR RESALE	65,106.17	65,872.00	(765.83)	-1.16%
SCHOOL	<u>219,329.26</u>	<u>207,304.00</u>	<u>12,025.26</u>	5.80%
 TOTAL BASE SALES	 12,234,940.46	 12,020,167.00	 214,773.46	 1.79%
TOTAL FUEL SALES	<u>17,625,976.64</u>	<u>17,985,930.00</u>	<u>(359,953.36)</u>	-2.00%
TOTAL OPERATING REVENUE	29,860,917.10	30,006,097.00	(145,179.90)	-0.48%
 FORFEITED DISCOUNTS	 405,781.68	 360,606.00	 45,175.68	 12.53%
PURCHASED POWER CAPACITY	15,422,436.34	15,826,811.00	(404,374.66)	-2.55%
ENERGY CONSERVATION - RESIDENTIAL	134,529.71	134,050.00	479.71	0.36%
ENERGY CONSERVATION - COMMERCIAL	217,094.34	217,107.00	(12.66)	-0.01%
NYPA CREDIT	(520,802.01)	(450,000.00)	(70,802.01)	15.73%
 TOTAL OPERATING REVENUES	 <u><u>45,519,957.16</u></u>	 <u><u>46,094,671.00</u></u>	 <u><u>(574,713.84)</u></u>	 -1.25%

\* ( ) = ACTUAL UNDER BUDGET

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
SCHEDULE OF OPERATING EXPENSES  
12/31/15

SCHEDULE E

OPERATION EXPENSES:	MONTH LAST YEAR	MONTH CURRENT YEAR	LAST YEAR TO DATE	CURRENT YEAR TO DATE	YTD % CHANGE
PURCHASED POWER CAPACITY	1,414,428.94	1,773,743.78	8,328,932.33	9,392,215.65	12.77%
PURCHASED POWER TRANSMISSION	814,302.36	955,262.13	6,459,229.67	6,812,931.23	5.48%
<b>TOTAL PURCHASED POWER</b>	<b>2,228,731.30</b>	<b>2,729,005.91</b>	<b>14,788,162.00</b>	<b>16,205,146.88</b>	<b>9.58%</b>
OPERATION SUP AND ENGINEERING EXP	42,406.96	50,646.37	265,692.33	272,264.77	2.47%
STATION SUP LABOR AND MISC	10,928.37	14,514.87	77,234.63	75,545.30	-2.19%
LINE MISC LABOR AND EXPENSE	79,469.07	75,056.73	369,751.47	381,563.83	3.19%
STATION LABOR AND EXPENSE	59,584.28	38,871.07	254,570.59	201,987.73	-20.66%
STREET LIGHTING EXPENSE	8,881.42	10,887.62	47,263.62	57,133.08	20.88%
METER EXPENSE	17,582.14	20,955.83	90,813.94	111,130.00	22.37%
MISC DISTRIBUTION EXPENSE	42,569.79	39,758.80	218,369.73	219,477.30	0.51%
METER READING LABOR & EXPENSE	1,148.21	1,983.88	8,716.87	14,519.74	66.57%
ACCT & COLL LABOR & EXPENSE	151,131.34	173,003.27	891,223.59	841,209.15	-5.61%
UNCOLLECTIBLE ACCOUNTS	10,000.00	10,000.00	60,000.00	60,000.00	0.00%
ENERGY AUDIT EXPENSE	33,816.71	42,857.32	202,001.26	275,006.58	36.14%
ADMIN & GEN SALARIES	66,636.99	87,965.26	418,461.35	444,925.26	6.32%
OFFICE SUPPLIES & EXPENSE	24,398.22	46,308.92	146,887.53	157,940.86	7.53%
OUTSIDE SERVICES	19,897.90	21,578.06	210,848.38	181,123.00	-14.10%
PROPERTY INSURANCE	29,863.88	31,242.46	179,182.53	187,454.41	4.62%
INJURIES AND DAMAGES	3,810.17	5,867.83	23,000.45	24,546.32	6.72%
EMPLOYEES PENSIONS & BENEFITS	295,418.38	337,363.61	1,510,051.33	1,399,760.93	-7.30%
MISC GENERAL EXPENSE	24,833.61	17,069.02	81,746.18	78,700.61	-3.73%
RENT EXPENSE	13,918.27	14,157.49	83,602.95	85,750.73	2.57%
ENERGY CONSERVATION	97,901.00	50,223.17	281,210.09	205,497.33	-26.92%
<b>TOTAL OPERATION EXPENSES</b>	<b>1,034,196.71</b>	<b>1,090,311.58</b>	<b>5,420,628.82</b>	<b>5,275,536.93</b>	<b>-2.68%</b>
<b>MAINTENANCE EXPENSES:</b>					
MAINT OF TRANSMISSION PLANT	227.00	227.10	1,362.50	1,362.50	0.00%
MAINT OF STRUCT AND EQUIPMT	37,125.68	30,838.27	302,611.13	176,250.76	-41.76%
MAINT OF LINES - OH	155,304.41	170,208.97	912,388.27	843,652.77	-7.53%
MAINT OF LINES - UG	11,767.56	14,519.35	77,167.86	64,195.11	-16.81%
MAINT OF LINE TRANSFORMERS	7,333.46	0.00	60,065.12	79,916.66	33.05%
MAINT OF ST LT & SIG SYSTEM	18.88	(20.72)	(84.48)	(324.85)	284.53%
MAINT OF GARAGE AND STOCKROOM	41,479.37	57,544.79	227,804.27	268,911.17	18.04%
MAINT OF METERS	0.00	0.00	0.00	0.00	0.00%
MAINT OF GEN PLANT	35,296.73	14,567.48	130,719.04	62,663.34	-52.06%
<b>TOTAL MAINTENANCE EXPENSES</b>	<b>288,553.09</b>	<b>287,885.24</b>	<b>1,712,033.71</b>	<b>1,496,627.46</b>	<b>-12.58%</b>
DEPRECIATION EXPENSE	321,788.79	328,732.65	1,930,732.74	1,972,395.90	2.16%
PURCHASED POWER FUEL EXPENSE	2,754,212.60	2,757,146.26	15,834,165.44	17,855,289.73	12.76%
VOLUNTARY PAYMENTS TO TOWNS	108,754.00	106,973.00	698,754.00	696,973.00	-0.25%
<b>TOTAL OPERATING EXPENSES</b>	<b>6,736,236.49</b>	<b>7,300,054.64</b>	<b>40,384,476.71</b>	<b>43,501,969.90</b>	<b>7.72%</b>

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
12/31/15

SCHEDULE G

OPERATION EXPENSES:	ACTUAL YEAR TO DATE	BUDGET YEAR TO DATE	VARIANCE *	%
				CHANGE
PURCHASED POWER CAPACITY	9,392,215.65	9,266,550.00	125,665.65	1.36%
PURCHASED POWER TRANSMISSION	6,812,931.23	6,560,261.00	252,670.23	3.85%
<b>TOTAL PURCHASED POWER</b>	<b>16,205,146.88</b>	<b>15,826,811.00</b>	<b>378,335.88</b>	<b>2.39%</b>
OPERATION SUP AND ENGINEERING EXP	272,264.77	317,592.00	(45,327.23)	-14.27%
STATION SUP LABOR AND MISC	75,545.30	42,432.00	33,113.30	78.04%
LINE MISC LABOR AND EXPENSE	381,563.83	342,312.00	39,251.83	11.47%
STATION LABOR AND EXPENSE	201,987.73	222,753.00	(20,765.27)	-9.32%
STREET LIGHTING EXPENSE	57,133.08	47,029.00	10,104.08	21.48%
METER EXPENSE	111,130.00	108,343.00	2,787.00	2.57%
MISC DISTRIBUTION EXPENSE	219,477.30	229,454.00	(9,976.70)	-4.35%
METER READING LABOR & EXPENSE	14,519.74	16,402.00	(1,882.26)	-11.48%
ACCT & COLL LABOR & EXPENSE	841,209.15	843,946.00	(2,736.85)	-0.32%
UNCOLLECTIBLE ACCOUNTS	60,000.00	60,000.00	0.00	0.00%
ENERGY AUDIT EXPENSE	275,006.58	240,931.00	34,075.58	14.14%
ADMIN & GEN SALARIES	444,925.26	420,691.00	24,234.26	5.76%
OFFICE SUPPLIES & EXPENSE	157,940.86	150,600.00	7,340.86	4.87%
OUTSIDE SERVICES	181,123.00	210,362.00	(29,239.00)	-13.90%
PROPERTY INSURANCE	187,454.41	233,100.00	(45,645.59)	-19.58%
INJURIES AND DAMAGES	24,546.32	25,926.00	(1,379.68)	-5.32%
EMPLOYEES PENSIONS & BENEFITS	1,399,760.93	1,351,548.00	48,212.93	3.57%
MISC GENERAL EXPENSE	78,700.61	141,176.00	(62,475.39)	-44.25%
RENT EXPENSE	85,750.73	106,002.00	(20,251.27)	-19.10%
ENERGY CONSERVATION	205,497.33	408,296.00	(202,798.67)	-49.67%
<b>TOTAL OPERATION EXPENSES</b>	<b>5,275,536.93</b>	<b>5,518,895.00</b>	<b>(243,358.07)</b>	<b>-4.41%</b>
MAINTENANCE EXPENSES:				
MAINT OF TRANSMISSION PLANT	1,362.50	1,500.00	(137.50)	-9.17%
MAINT OF STRUCT AND EQUIPMENT	176,250.76	193,567.00	(17,316.24)	-8.95%
MAINT OF LINES - OH	843,652.77	986,653.00	(143,000.23)	-14.49%
MAINT OF LINES - UG	64,195.11	85,493.00	(21,297.89)	-24.91%
MAINT OF LINE TRANSFORMERS	79,916.66	150,000.00	(70,083.34)	-46.72%
MAINT OF ST LT & SIG SYSTEM	(324.85)	5,073.00	(5,397.85)	-106.40%
MAINT OF GARAGE AND STOCKROOM	268,911.17	332,261.00	(63,349.83)	-19.07%
MAINT OF METERS	0.00	31,671.00	(31,671.00)	-100.00%
MAINT OF GEN PLANT	62,663.34	89,100.00	(26,436.66)	-29.67%
<b>TOTAL MAINTENANCE EXPENSES</b>	<b>1,496,627.46</b>	<b>1,875,318.00</b>	<b>(378,690.54)</b>	<b>-20.19%</b>
DEPRECIATION EXPENSE	1,972,395.90	1,991,580.00	(19,184.10)	-0.96%
PURCHASED POWER FUEL EXPENSE	17,855,289.73	17,535,930.00	319,359.73	1.82%
VOLUNTARY PAYMENTS TO TOWNS	696,973.00	708,000.00	(11,027.00)	-1.56%
<b>TOTAL OPERATING EXPENSES</b>	<b>43,501,969.90</b>	<b>43,456,534.00</b>	<b>45,435.90</b>	<b>0.10%</b>

\* ( ) = ACTUAL UNDER BUDGET



TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
BUDGETED OPERATING EXPENSE VARIANCE REPORT  
12/31/15

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	9,392,215.65	7,703,569.35	45.06%
PURCHASED POWER TRANSMISSION	JP	12,600,639.00	6,812,931.23	5,787,707.77	45.93%
<b>TOTAL PURCHASED POWER</b>		<u>29,696,424.00</u>	<u>16,205,146.88</u>	<u>13,491,277.12</u>	45.43%
OPERATION SUP AND ENGINEERING EXP	HJ	629,691.00	272,264.77	357,426.23	56.76%
STATION SUP LABOR AND MISC	HJ	84,858.00	75,545.30	9,312.70	10.97%
LINE MISC LABOR AND EXPENSE	HJ	666,641.00	381,563.83	285,077.17	42.76%
STATION LABOR AND EXPENSE	HJ	448,347.00	201,987.73	246,359.27	54.95%
STREET LIGHTING EXPENSE	HJ	93,347.00	57,133.08	36,213.92	38.79%
METER EXPENSE	HJ	233,648.00	111,130.00	122,518.00	52.44%
MISC DISTRIBUTION EXPENSE	HJ	457,068.00	219,477.30	237,590.70	51.98%
METER READING LABOR & EXPENSE	HJ	32,578.00	14,519.74	18,058.26	55.43%
ACCT & COLL LABOR & EXPENSE	RF	1,693,219.00	841,209.15	852,009.85	50.32%
UNCOLLECTIBLE ACCOUNTS	JP	120,000.00	60,000.00	60,000.00	50.00%
ENERGY AUDIT EXPENSE	JP	482,273.00	275,006.58	207,266.42	42.98%
ADMIN & GEN SALARIES	CO	838,461.00	444,925.26	393,535.74	46.94%
OFFICE SUPPLIES & EXPENSE	CO	301,000.00	157,940.86	143,059.14	47.53%
OUTSIDE SERVICES	CO	377,332.00	181,123.00	196,209.00	52.00%
PROPERTY INSURANCE	HJ	466,200.00	187,454.41	278,745.59	59.79%
INJURIES AND DAMAGES	HJ	51,254.00	24,546.32	26,707.68	52.11%
EMPLOYEES PENSIONS & BENEFITS	HJ	2,633,591.00	1,399,760.93	1,233,830.07	46.85%
MISC GENERAL EXPENSE	CO	231,022.00	78,700.61	152,321.39	65.93%
RENT EXPENSE	HJ	212,000.00	85,750.73	126,249.27	59.55%
ENERGY CONSERVATION	JP	816,602.00	205,497.33	611,104.67	74.84%
<b>TOTAL OPERATION EXPENSES</b>		<u>10,869,132.00</u>	<u>5,275,536.93</u>	<u>5,593,595.07</u>	51.46%
MAINTENANCE EXPENSES:					
MAINT OF TRANSMISSION PLANT	HJ	3,000.00	1,362.50	1,637.50	54.58%
MAINT OF STRUCT AND EQUIPMT	HJ	484,026.00	176,250.76	307,775.24	63.59%
MAINT OF LINES - OH	HJ	1,675,794.00	843,652.77	832,141.23	49.66%
MAINT OF LINES - UG	HJ	130,694.00	64,195.11	66,498.89	50.88%
MAINT OF LINE TRANSFORMERS	HJ	156,000.00	79,916.66	76,083.34	48.77%
MAINT OF ST LT & SIG SYSTEM	HJ	9,745.00	(324.85)	10,069.85	103.33%
MAINT OF GARAGE AND STOCKROOM	HJ	660,131.00	268,911.17	391,219.83	59.26%
MAINT OF METERS	HJ	43,875.00	0.00	43,875.00	100.00%
MAINT OF GEN PLANT	RF	178,200.00	62,663.34	115,536.66	64.84%
<b>TOTAL MAINTENANCE EXPENSES</b>		<u>3,341,465.00</u>	<u>1,496,627.46</u>	<u>1,844,837.54</u>	55.21%
DEPRECIATION EXPENSE	RF	3,983,145.00	1,972,395.90	2,010,749.10	50.48%
PURCHASED POWER FUEL EXPENSE	JP	34,326,329.00	17,855,289.73	16,471,039.27	47.98%
VOLUNTARY PAYMENTS TO TOWNS	RF	1,416,000.00	696,973.00	719,027.00	50.78%
<b>TOTAL OPERATING EXPENSES</b>		<u>83,632,495.00</u>	<u>43,501,969.90</u>	<u>40,130,525.10</u>	47.98%

TOWN OF READING, MASSACHUSETTS  
MUNICIPAL LIGHT DEPARTMENT  
PROFESSIONAL SERVICES  
12/31/2015

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	52,290.25	69,150.00	(16,859.75)
3 NERC COMPLIANCE AND AUDIT	E & O	20,475.85	7,500.00	12,975.85
4 LEGAL- SOLAR/FIBER	ENGINEERING	17,042.00	4,998.00	12,044.00
5 LEGAL-GENERAL	GM	27,419.40	37,500.00	(10,080.60)
6 LEGAL SERVICES	HR	24,400.25	37,716.00	(13,315.75)
7 SURVEY RIGHT OF WAY/ ENVIRONMENTAL	BLDG. MAINT.	0.00	4,998.00	(4,998.00)
8 INSURANCE CONSULTANT/OTHER	GEN. BENEFIT	10,600.00	13,500.00	(2,900.00)
TOTAL		<u>181,123.00</u>	<u>210,362.00</u>	<u>(29,239.00)</u>

PROFESSIONAL SERVICES BY VENDOR

	ACTUAL
MELANSON HEATH	28,500.00
DUNCAN AND ALLEN	33,600.43
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	15,496.25
PLM ELECTRIC POWER ENGINEERING	17,042.00
FLEET COUNSELOR SERVICES INC.	10,600.00
TOTAL	<u>181,123.00</u>

RMLD  
 DEFERRED FUEL CASH RESERVE ANALYSIS  
 12/31/15

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
<hr/>					
	17,855,289.73	17,625,976.64	(520,802.01)	(750,115.10)	

RMLD  
 BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE  
 12/31/15

DIVISION	ACTUAL	BUDGET	VARIANCE	VAR %
BUSINESS DIVISION	5,020,154	5,073,132	(52,977)	-1.04%
INTEGRATED RESOURCES	532,794	718,378	(185,584)	-25.83%
ENGINEERING AND OPERATIONS	2,436,600	2,676,492	(239,892)	-8.96%
FACILITY	2,271,350	2,374,569	(103,219)	-4.35%
GENERAL MANAGER	<u>366,944</u>	<u>437,269</u>	<u>(70,325)</u>	-16.08%
SUB-TOTAL	10,627,843	11,279,840	(651,997)	-5.78%
PURCHASED POWER BASE	16,205,147	15,826,811	378,336	2.39%
PURCHASED POWER FUEL	17,855,290	17,535,930	319,360	1.82%
TOTAL	<u><u>44,688,279</u></u>	<u><u>44,642,581</u></u>	<u><u>45,699</u></u>	0.10%



MGL CHAPTER 30B BIDS  
ATTACHMENT 4

RMLD



**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.rml.com

January 15, 2016

Town of Reading Municipal Light Board

Subject: Janitorial Services

On December 2, 2015 a bid invitation was placed as a legal notice in the Reading Chronicle, Middlesex East, requesting proposals for Janitorial Services for the Reading Municipal Light Department.

An invitation to bid was mailed to forty one companies listed below:

A.C.P. Cleaning, Inc.	ABM Janitorial Northeast, Inc.	Advanced Maintenance Solutions	All-Pro Cleaning Systems	American Cleaning Co.
AM-PM Cleaning Corp.	Aplus	Boston Cleaning Company	Clean-Link	Compass Facility Services
Complete Industrial Cleaning, Inc.	Consolidated Service Inc.	CSI International, Inc.	Empire Cleaning	Empire Cleaning, Inc.
Express Janitorial Service Group	Facilities Mgmt. & Maintenance, Inc.	FMN Services, Inc.	G Associates Corp.	Green Life Janitorial Services
Harvard Maintenance, Inc.	JC Zampell	JaniKing	Jani-King	Janitronics Inc.
M&M Cleaning Services	McGarr Services Corp.	National Cleaning Corp.	NECC Corp.	Peace Maintenance
Peace Maintenance, Inc.	RC Cleaning Specialists, Inc.	Resource One	ResourceOne	S.J. Services
Star Building Services (SBS)	ServiceMaster	State Cleaning Service, Inc.	Swilley Commercial Cleaning	The Cleaning Crew
TNT Cleaning Services, Inc.				

Bids were received from five companies: Advanced Maintenance Solutions, M&M Cleaning Services, S.J. Services, Star Building Services, and TNT Cleaning Services, Inc.

The bids were publicly opened and read aloud at 11:00 a.m. January 7, 2016 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 to the General Manager.

RMLD



Reading Municipal Light Department

RELIABLE POWER FOR GENERATIONS

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

Move that bid 2016-01 for the Janitorial Services be awarded to: **TNT Cleaning Services, Inc. for \$92,826.00** as the lowest responsive qualified bidder on the recommendation of the General Manager. (This is a three year contract, award pricing is based on three years combined.)

The 2016 Operating Budget amount for Year 1 is \$47,000.00.

\_\_\_\_\_  
Coleen O'Brien

\_\_\_\_\_  
Paula O'Leary

\_\_\_\_\_  
Paul McGonagle

**Janitorial Services  
Bid 2016-01**

<u>Bidder</u>	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Combined 3 Year Total</u>	<u>Exceptions</u>	<u>Responsive to Bid</u>
Advanced Maintenance Solutions	\$41,460.00	\$42,289.32	\$43,135.40	\$126,884.72	No	Yes
M&M Cleaning Services	\$40,300.00	\$40,300.00	\$40,300.00	\$120,900.00	No	Yes
S.J. Services	\$39,804.00	\$40,896.00	\$41,772.00	\$122,472.00	No	Yes
Star Building Services (SBS)	\$38,792.38	\$40,244.13	\$42,355.32	\$121,391.83	No	<sup>1</sup> No
<b>TNT Cleaning Services, Inc.</b>	<b>\$30,942.00</b>	<b>\$30,942.00</b>	<b>\$30,942.00</b>	<b>\$92,826.00</b>	<b>No</b>	<b>Yes</b>

<sup>1</sup> Star Building Services (SBS) - No signature on Tax Compliance Certification.





**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.rml.com

January 20, 2016

Town of Reading Municipal Light Board

Subject: Fiberglass Trench Covers for Substation 4

On December 9, 2015 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle requesting proposals for Fiberglass Trench Covers for Substation 4 for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Power Sales Group	WESCO	Shamrock Power
JF Gray & Associates	MetroWest	Power Tech-UPSC
Hasgo Power Sales	Robinson Sales	EL Flowers & Associates
HD Industrial Services	Genergy Corp.	MVA Power, Inc.
Siemens	Graybar	Stuart Irby
Spectrum industries, Inc.	EJ USA	

Bids were received from Shamrock Power, EJ USA and WESCO.

The bids were publicly opened and read aloud at 11:00 a.m. January 14, 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 2016-15 for Fiberglass Trench Covers for Substation 4 be awarded to:

**WESCO for a total cost of \$108,000.00**

<u>Item (desc.)</u>	<u>Total Net Cost</u>
Item 1 - Fiberglass Trench Covers	\$108,000.00

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

RMLD

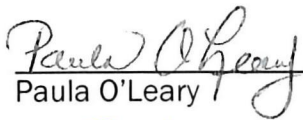


Reading Municipal Light Department  
RELIABLE POWER FOR GENERATIONS

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

The FY16 Capital Budget allocation for the purchase of these items under the Substation Equipment Upgrade project was estimated at \$175,000.

  
\_\_\_\_\_  
Coleen O'Brien

  
\_\_\_\_\_  
Paula O'Leary

  
\_\_\_\_\_  
Nick D'Alleva

**Fiberglass Trench Covers for Substation 4  
Bid 2016-15**

<u>Bidder</u>	<u>Manufacturer</u>	<u>Delivery Date</u>	<u>Total Cost</u>	<u>All forms filled out</u>	<u>Firm Price</u>	<u>Certified Check or Bid Bond</u>	<u>Authorized signature</u>	<u>Exceptions to stated bid requirements</u>	<u>Meet Specification requirement</u>
WESCO				yes	yes	yes	yes	no	yes
Item 1 Fiberglass Trench Covers	Proglass Inc.	9-12 weeks	\$108,000.00						
EJ USA				yes	yes	yes	yes	yes	yes
Item 1 Fiberglass Trench Covers	GMI Composites	9 weeks	\$114,486.00						
Concast Inc. C/O Shamrock Power				yes	yes	yes	yes	no	yes
Item 1 Fiberglass Trench Covers	Concast	12-13 weeks	\$135,200.00						

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

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

January 21, 2016

Town of Reading Municipal Light Board

Subject: Single Phase Pole Mounted Transformers

On December 16, 2015 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle requesting proposals Single Phase Pole Mounted Transformers for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Power Sales Group	WESCO	Graybar Electric Company
EDI	Yale Electric	Shamrock Power Sales, Inc.
Hughes Supply, Inc.	Ward Transformer Sales	Jordan Transformer
Power Tech-UPSC	Hasgo Power	Robinson Sales
Stuart C. Irby	Pacific Crest Transformers	IF Gray

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

The bids were publicly opened and read aloud at 11:00 a.m. January 14, 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 2016-17 for Single Phase Pole Mounted Transformers be awarded to:

**WESCO for a total cost of \$105,400.00**


<u>Item (desc.)</u>		<u>Qty</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
Item 1 (25 Kva)	Cooper Power	20	\$882.00	\$17,640.00
Item 2 (37 1/2 Kva)	Cooper Power	50	\$1,040.00	\$52,000.00
Item 3 (50 Kva)	Cooper Power	30	\$1,192.00	\$35,760.00


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



The FY16 Capital Budget allocation for the purchase of these units under the Transformer project was estimated at \$129,000 for 86 units. The Department actually requires 100 units to replenish the transformer inventory. These units will be used for the Transformer Maintenance Program and area upgrade projects.

  
\_\_\_\_\_  
Coleen O'Brien

  
\_\_\_\_\_  
Paula O'Leary

  
\_\_\_\_\_  
Peter Price

**Single Phase Pole Mounted Transformers  
Bid 2016-17**

<u>Bidder</u>	<u>Manufacturer</u>	<u>Delivery Date</u>	<u>Unit Cost</u>	<u>Qty</u>	<u>Total Net Cost</u>	<u>Meet Specification requirement</u>	<u>Specification Data Sheets</u>	<u>Firm Price</u>	<u>All forms filled out</u>	<u>Certified Check or Bid Bond</u>	<u>Exceptions to stated bid requirements</u>	<u>Authorized signature</u>
<b>WESCO</b>												
Item 1 (25 Kva)	Cooper Power	8-9 weeks ARO	\$882.00	20	\$17,640.00	yes	yes	yes	yes	yes	no	yes
Item 2 (37 1/2 Kva)	Cooper Power	8-9 weeks ARO	\$1,040.00	50	\$52,000.00							
Item 3 (50 Kva)	Cooper Power	8-9 weeks ARO	\$1,192.00	30	\$35,760.00							
					<u>\$105,400.00</u>							
<b>Power Sales</b>												
Item 1 (25 Kva)	Howard	8-10 weeks ARO	\$1,250.00	20	\$25,000.00	yes	yes	yes	yes	yes	no	yes
Item 2 (37 1/2 Kva)	Howard	8-10 weeks ARO	\$1,343.00	50	\$67,150.00							
Item 3 (50 Kva)	Howard	8-10 weeks ARO	\$1,592.00	30	\$47,760.00							
					<u>\$139,910.00</u>							
<b>Stuart C. Irby</b>												
Item 1 (25 Kva)	Central Maloney	12-14 weeks ARO	\$1,398.00	20	\$27,960.00	yes	yes	yes	yes	yes	no	yes
Item 2 (37 1/2 Kva)	Central Maloney	12-14 weeks ARO	\$1,520.00	50	\$76,000.00							
Item 3 (50 Kva)	Central Maloney	12-14 weeks ARO	\$1,605.00	30	\$48,150.00							
					<u>\$152,110.00</u>							

**Non responsive bidders:**

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



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

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

January 21, 2016

Town of Reading Municipal Light Board

Subject: Three Phase Pole Mounted Transformers

On December 16, 2015 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle requesting proposals Three Phase Pole Mounted Transformers for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Power Sales Group	WESCO	Graybar Electric Company
EDI	Yale Electric	Shamrock Power Sales, Inc.
Hughes Supply, Inc.	Ward Transformer Sales	Jordan Transformer
Power Tech-UPSC	Hasgo Power	Robinson Sales
Stuart C. Irby	Pacific Crest Transformers	IF Gray

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

The bids were publicly opened and read aloud at 11:00 am January 14, 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 2016-18 for Three Phase Pole Mounted Transformers be awarded to:

**Power Sales for a total cost of \$9,102.00**

<u>Item (desc.)</u>	<u>Qty</u>	<u>Manufacturer</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
1 (30 kVa 13800 Δ 120/208)	3	Howard	\$3,034.00	\$9,102.00

**WESCO for a total cost of \$39,770.00**

<u>Item (desc.)</u>	<u>Qty</u>	<u>Manufacturer</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
2 (75 kVa 13800 Δ 120/208)	7	Power Partners	\$3,790.00	\$26,530.00
4 (45 kVa 13800 Δ 277/480)	4	Power Partners	\$3,310.00	\$13,240.00



Stuart C Irby for a total cost of \$20,066.00

<u>Item (desc.)</u>	<u>Qty</u>	<u>Manufacturer</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
3 (225 kVa 13800 Δ 120/208)	2	CG Power	\$6,784.00	\$13,568.00
5 (225 kVa 13800 Δ 277/480)	1	CG Power	\$6,498.00	\$6,498.00

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

The total for all of these bids is \$68,938.

The FY16 Capital Budget allocation for the purchase of these units under the Transformer project was estimated at \$201,500 for 31 units. The Department actually requires 17 units to replenish the transformer inventory. These units will be used for the Transformer Maintenance Program and commercial projects.

Coleen O'Brien

Paula O'Leary

Peter Price







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

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

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

January 21, 2016

Town of Reading Municipal Light Board

Subject: Single Phase Pad Mounted FR3 Transformers

On December 16, 2015 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Chronicle requesting proposals for Single Phase Pad Mounted FR3 Transformers for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Power Sales Group	WESCO	Graybar Electric Company
EDI	Yale Electric	Shamrock Power Sales, Inc.
Hughes Supply, Inc.	Ward Transformer Sales	Jordan Transformer
Power Tech-UPSC	Hasgo Power	Robinson Sales
Stuart C. Irby	Pacific Crest Transformers	IF Gray

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

The bids were publicly opened and read aloud at 11:00 a.m. January 14, 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 2016-19 for Single Phase Pad Mounted FR3 Transformers be awarded to:

**WESCO for a total cost of \$119,910.00**

<u>Item (desc.)</u>	<u>Qty</u>	<u>Manufacturer</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
1 (25 kVa)	5	ERMCO	\$1,832.00	\$9,160.00
2 (37 ½ kVa)	20	ERMCO	\$2,025.00	\$40,500.00
3 (50 kVa)	25	ERMCO	\$2,250.00	\$56,250.00
4 (75 kVa)	5	ERMCO	\$2,800.00	\$14,000.00

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 single phase pole-mounted transformers is \$100,000 for 40 units. The Department requires 55 units to replenish the transformer inventory. These units will be used for the Transformer Maintenance Program and in new underground subdivisions.

\_\_\_\_\_  
Coleen O'Brien.

\_\_\_\_\_  
Paula O'Leary

\_\_\_\_\_  
Peter Price

**Single Phase Pad Mounted FR3 Transformers  
Bid 2016-19**

Bidder	Manufacturer	Delivery Date	Unit Cost	Qty	Total Net Cost	Meet Specification requirement	Specification Data Sheets	Firm Price	All forms filled out	Certified Check or Bid Bond	Exceptions to stated bid requirements	Authorized signature
<b>WESCO</b>						yes	yes	yes	yes	yes	yes	yes
Item 1 (25 kVa)	ERMCO	8 weeks ARO	\$1,832.00	5	\$9,160.00							
Item 2 (37 1/2 kVa)	ERMCO	8 weeks ARO	\$2,025.00	20	\$40,500.00							
Item 3 (50 kVa)	ERMCO	8 weeks ARO	\$2,250.00	25	\$56,250.00							
Item 4 (75 kVa)	ERMCO	8 weeks ARO	\$2,800.00	5	\$14,000.00							
					<u>\$119,910.00</u>							
<b>Stuart C Irby</b>						yes	yes	yes	yes	yes	no	yes
Item 1 (25 kVa)	Central Maloney	12-14 weeks ARO	\$2,107.00	5	\$10,535.00							
Item 2 (37 1/2 kVa)	Central Maloney	12-14 weeks ARO	\$2,450.00	20	\$49,000.00							
Item 3 (50 kVa)	Central Maloney	12-14 weeks ARO	\$2,690.00	25	\$67,250.00							
Item 4 (75 kVa)	Central Maloney	12-14 weeks ARO	\$3,405.00	5	\$17,025.00							
					<u>\$143,810.00</u>							
<b>Power Sales Group</b>						yes	yes	no	yes	yes	no	yes
Item 1 (25 kVa)	Howard	8-10 weeks ARO	\$2,523.00	5	\$12,615.00							
Item 2 (37 1/2 kVa)	Howard	8-10 weeks ARO	\$2,667.00	20	\$53,340.00							
Item 3 (50 kVa)	Howard	8-10 weeks ARO	\$3,014.00	25	\$75,350.00							
Item 4 (75 kVa)	Howard	8-10 weeks ARO	\$3,515.00	5	\$17,575.00							
					<u>\$158,880.00</u>							

**Non responsive bidders:**

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





**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.rml.com

January 21, 2016

Town of Reading Municipal Light Board

Subject: Three Phase Pad Mounted Transformers (Dead Front)

On December 16, 2015 a bid invitation was placed as a legal notice in the Middlesex East section of the Daily Times Chronicle requesting proposals for Three Phase Pad Mounted Transformers for the Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Power Sales Group	WESCO	Graybar Electric Company
EDI	Yale Electric	Shamrock Power Sales, Inc.
Hughes Supply, Inc.	Ward Transformer Sales	Jordan Transformer
Power Tech-UPSC	Hasgo Power	Robinson Sales
Stuart C. Irby	Pacific Crest Transformers	IF Gray

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

The bids were publicly opened and read aloud at 11:00 a.m. January 14, 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 2016-21 for Three Phase Pad Mounted Transformers be awarded to:

**Stuart C Irby for a total cost of \$133,931.00**

<u>Item (desc.)</u>	<u>Qty</u>	<u>Manufacturer</u>	<u>Unit Cost</u>	<u>Total Net Cost</u>
Item 1 (150 kVa Delta 120/208)	3	CG Power	\$5,151.00	\$15,453.00
Item 2 (300 kVa Delta 120/208)	3	CG Power	\$6,851.00	\$20,553.00
Item 3 (500 kVa Delta 120/208)	1	CG Power	\$9,905.00	\$9,905.00
Item 4 (150 kVa Delta 277/480)	5	CG Power	\$5,011.00	\$25,055.00
Item 5 (225 kVa Delta 277/480)	3	CG Power	\$5,740.00	\$17,220.00
Item 6 (300 kVa Delta 277/480)	2	CG Power	\$6,455.00	\$12,910.00
Item 7 (500 kVa Delta 277/480)	2	CG Power	\$8,173.00	\$16,346.00
Item 8 (1500 kVa Delta 277/480)	1	CG Power	\$16,489.00	\$16,489.00

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 Transformer project was estimated at \$187,000 for 15 units. The Department actually requires 20 units to replenish the transformer inventory. These units will be used for the Transformer Maintenance Program, new commercial services and commercial service upgrades.

Coleen O'Brien

Paula O'Leary

Peter Price

Three Phase Pad Mounted Transformers (Dead Front)  
Bid 2016-21

Bidder	Manufacturer	Delivery Date	Unit Cost	Qty	Total Net Cost	Meet Specification requirement	Specification Data Sheets	Firm Price	All forms filled out	Certified Check or Bid Bond	Exceptions to stated bid requirements	Authorized signature
<b>Stuart C Irby</b>												
Item 1 (150 kVa Delta 120/208)	CG Power	9-11 weeks ARO	5,151.00	3	15,453.00	yes	yes	yes	yes	yes	no	yes
Item 2 (300 kVa Delta 120/208)	CG Power	9-11 weeks ARO	6,851.00	3	20,553.00							
Item 3 (500 kVa Delta 120/208)	CG Power	9-11 weeks ARO	9,905.00	1	9,905.00							
Item 4 (150 kVa Delta 277/480)	CG Power	9-11 weeks ARO	5,011.00	5	25,055.00							
Item 5 (225 kVa Delta 277/480)	CG Power	9-11 weeks ARO	5,740.00	3	17,220.00							
Item 6 (300 kVa Delta 277/480)	CG Power	9-11 weeks ARO	6,455.00	2	12,910.00							
Item 7 (500 kVa Delta 277/480)	CG Power	9-11 weeks ARO	8,173.00	2	16,346.00							
Item 8 (1500 kVa Delta 277/480)	CG Power	9-11 weeks ARO	16,489.00	1	16,489.00							
					<u>133,931.00</u>							
<b>Power Sales</b>												
Item 1 (150 kVa Delta 120/208)	Howard	8-10 weeks ARO	6,097.00	3	18,291.00	yes	yes	yes	yes	yes	no	yes
Item 2 (300 kVa Delta 120/208)	Howard	8-10 weeks ARO	8,005.00	3	24,015.00							
Item 3 (500 kVa Delta 120/208)	Howard	8-10 weeks ARO	11,579.00	1	11,579.00							
Item 4 (150 kVa Delta 277/480)	Howard	8-10 weeks ARO	5,613.00	5	28,065.00							
Item 5 (225 kVa Delta 277/480)	Howard	8-10 weeks ARO	6,483.00	3	19,449.00							
Item 6 (300 kVa Delta 277/480)	Howard	8-10 weeks ARO	7,918.00	2	15,836.00							
Item 7 (500 kVa Delta 277/480)	Howard	8-10 weeks ARO	10,005.00	2	20,010.00							
Item 8 (1500 kVa Delta 277/480)	Howard	8-10 weeks ARO	20,880.00	1	20,880.00							
					<u>158,125.00</u>							
<b>WESCO</b>												
Item 1 (150 kVa Delta 120/208)	ABB	6-8 weeks ARO	6,769.00	3	20,307.00	yes	yes	yes	yes	yes	no	yes
Item 2 (300 kVa Delta 120/208)	ABB	6-8 weeks ARO	8,470.00	3	25,410.00							
Item 3 (500 kVa Delta 120/208)	Cooper	12-14 weeks ARO	11,200.00	1	11,200.00							
Item 4 (150 kVa Delta 277/480)	ABB	6-8 weeks ARO	6,500.00	5	32,500.00							
Item 5 (225 kVa Delta 277/480)	ABB	6-8 weeks ARO	7,310.00	3	21,930.00							
Item 6 (300 kVa Delta 277/480)	ABB	6-8 weeks ARO	8,080.00	2	16,160.00							
Item 7 (500 kVa Delta 277/480)	Cooper	12-14 weeks ARO	9,760.00	2	19,520.00							
Item 8 (1500 kVa Delta 277/480)	Cooper	12-14 weeks ARO	19,660.00	1	19,660.00							
					<u>166,687.00</u>							

**Non responsive bidders:**

Graybar Electric

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



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

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

January 21, 2016

Town of Reading Municipal Light Board

Subject: Category 4 Arc Rated FR Clothing Program

On January 6, 2016, a bid invitation was placed as a legal notice in the Middlesex East section of the Reading Chronicle requesting proposals for Category 4 Arc Rated FR Clothing Program for Reading Municipal Light Department.

An invitation to bid was emailed to the following:

Action Apparel	Shamrock Power (for	Tyndale Company Inc.
ArcWear	Benchmark FR Clothing)	Unifirst
Cintas Corporation	The Strong Group	WESCO
First Responder	Total Access Industrial	Workrite Uniform
Hudson Workwear	Specialist NE	

Bids were received from Cintas Corporation and WESCO. Three 'no bid' notifications were received from Action Apparel, Shamrock Power Sales, and Tyndale Company, Inc.

The bids were publicly opened and read aloud at 11:00 am on January 19, 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 2016-23 for Category 4 Arc Rated FR Clothing Program be awarded to **WESCO** for a total cost of **\$47,200.42**

Item 1: (36) premium light weight green arc flash protection coats	Total Net Cost: \$13,138.08
Item 2: (36) premium light weight green arc flash protection bib coveralls	Total Net Cost: \$15,149.70
Item 3: (32) lift front hoods premium light weight green and (64) attachable tasklights.	Total Net Cost: \$16,828.80
Item 4: (32) large storage bags and (32) bags for lift front hood storage	Total Net Cost: \$2,083.84

as the lowest qualified bidder and 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

Fire rated clothing is included within each department budget as appropriate. This purchase is funded from various departments.

Coleen O'Brien

Paula O'Leary

Steve DeFerrari

Category 4 Arc Rated FR Clothing Program  
 Bid 2016-23

BIDDER

All Forms Filled Out	Firm Price	Certified Check or Bid Bond	Authorized Signature	Exceptions to Bid Requirements	Meet Specification Requirements
----------------------	------------	-----------------------------	----------------------	--------------------------------	---------------------------------

WESCO

yes	yes	yes	yes	no	yes
-----	-----	-----	-----	----	-----

size	qty	Spare +1	TTL	DESCRIPTION	UNIT COST	EXT COST	TOTAL COST	DELIVERY WEEKS ARO
				ACC4032PLT 40 Cal/cm <sup>2</sup> Premium Light Weight Green Arc Flash Protection Coat				10-12 weeks
2X	9	1	10		388.48	3,884.80		
3X	1	1	2		388.48	776.96		
L	6	1	7		353.18	2,472.26		
M	2	1	3		353.18	1,059.54		
XL	13	1	14		353.18	4,944.52		
			36	ITEM 1 TOTAL			13,138.08	
				ACC4030PLT 40 Cal/cm <sup>2</sup> Premium Light Weight Green Arc Flash Protection Bib Coveralls				10-12 weeks
2X	6	1	7		451.62	3,161.34		
3X	1	1	2		451.62	903.24		
L	14	1	15		410.56	6,158.40		
M	6	1	7		410.56	2,873.92		
XL	4	1	5		410.56	2,052.80		
			36	ITEM 2 TOTAL			15,149.70	
	31	1	32	LFT40PLT 40 CAL/CM <sup>2</sup> Lift Front Hood premium light weight green	449.00	14,368.00		3-4 weeks
	62	2	64	FLTKit attachable tasklight(1) and FLCLIP	38.45	2,460.80		3-4 weeks
				ITEM 3 TOTAL			16,828.80	
	31	1	32	SK BAG Large Storage Bag (24"L x 12"W x 15" H)	40.44	1,294.08		1-2 weeks
	31	1	32	AS BAG for Lift Front Hood Storage	24.68	789.76		1-2 weeks
				ITEM 4 TOTAL			2,083.84	
<b>GRAND TOTAL:</b>							<b>\$47,200.42</b>	

**Non responsive bidders:**

CINTAS CORPORATION - Disqualified because they did not provide a certified check or bid bond.

21-Jan-16

BOARD MATERIAL AVAILABLE  
BUT NOT DISCUSSED

## Jeanne Foti

---

**From:** Jeanne Foti  
**Sent:** Thursday, January 21, 2016 11:16 AM  
**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**

December 11, December 18, January 1 and January 15.

On December 25 there was no Account Payable Warrant run due to the holiday.

### **Payroll – No Questions**

December 14, December 28 and January 11.

This e-mail will be printed for the Board Packet for the RMLD Board meeting on January 28, 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.



## Coleen O'Brien

---

**From:** Coleen O'Brien  
**Sent:** Tuesday, January 19, 2016 2:39 PM  
**To:** 'David Talbot'  
**Cc:** Dave Hennessy; John Stempeck; Phil Pacino; Tom O'Rourke  
**Subject:** Account Payable Warrant Questions - December 4 and January 8  
**Attachments:** CoyleLtr9-29-15.pdf

Talbot

1. Duncan & Allen – What services were performed by Frank Radigan of Hudson River Energy Group for \$7,200? Under “task” it is blank – EG 8 hours on Sept. 23 for \$1,600 why is there no itemization?

RMLD has intervened at FERC along with twelve other municipals light departments with regards to the amount of ROE that Transmission providers are allowed to earn. Hudson River group developed a working spreadsheet model to determine the impact on the RNS revenue requirement from a change in the base and ceiling return on equity being awarded the investor owned utilities in New England including modeling the impact of the various incentive returns for certain projects.

RMLD portion of the \$7200 is 15.17% or \$1,092.24. The attached is the corrected invoice which reflects the work completed.

2. Century Bank – Why do we pay a bank \$1,765.40 per month when they hold \$20 million. Do they pay interest?

The \$1,765.40 November bank service charges from Century Bank are the costs associated with RMLD's lockbox transactions, deposit transactions and the like.

RMLD earns approximately \$100.00 per month on its deposits with Century Bank.

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



September 29, 2015

Mr. John Coyle, Esq.  
Duncan & Allen  
1730 Rhode Island Ave NW #700  
Washington, DC 20036

RE: RNS Rates – Appeal on Return on Equity

Dear Mr. Coyle:

Enclosed please find my invoice for time spent on constructing an interactive spreadsheet model to measure the rate impacts of changes to the return on equity of Pool Transmission Facilities in New England

Should you have any questions or require further information, please don't hesitate to contact me at 518-452-2585 or e-mail me at the address listed below.

Sincerely,

A handwritten signature in black ink that reads "Frank W. Radigan". The signature is written in a cursive style with a large, sweeping "F" and "R".

Frank W. Radigan  
Principal

ATT:

# Hudson River Energy Group

237 Schoolouse Road

Albany, NY 12203

Telephone 518-452-2585 / Fax 518-452-2684

---

Mr. John Coyle, Esq.  
Duncan & Allen  
1730 Rhode Island Ave NW #700  
Washington, DC 20036

## Invoice for Professional Services RNS Rates - Appeal of Return on Equity

Invoice Date 29-Sep-15

LABOR CATEGORY DESCRIPTION	HOURS	RATE	AMOUNT
Frank Radigan	36.0	200.00	7,200.00
SUBTOTAL			\$7,200.00
EXPENSES			
SUBTOTAL			\$0.00
TOTAL			\$7,200.00

Please remit payment to:

Hudson River Energy Group  
**Attn: Frank Radigan**  
237 Schoolouse Road  
Albany, NY 12203

*Thank you*





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

January-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 35000 kWh's 130.5 kW Demand	INDUSTRIAL - TOU 109,500 kWh's 250,000 kW Demand 80/20 Split
<b>READING MUNICIPAL LIGHT DEPT.</b>							
TOTAL BILL	\$108.72	\$188.83	\$133.18	\$974.65	\$188.14	\$4,574.13	\$744,862.39
PER KWH CHARGE	\$0.14496	\$0.12589	\$0.13318	\$0.13351	\$0.17421	\$0.13069	\$0.10827
<b>NATIONAL GRID</b>							
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	50.41%	77.30%	63.72%	62.92%	22.01%	45.21%	52.28%
<b>EVERSOURCE(NSTAR)</b>							
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	47.87%	52.14%	59.34%	29.91%	9.58%	40.20%	51.27%
<b>PEABODY MUNICIPAL LIGHT PLANT</b>							
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	-14.93%	-5.46%	-9.06%	0.60%	-17.49%	5.91%	-10.74%
<b>MIDDLETON MUNICIPAL LIGHT DEPT.</b>							
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	-8.24%	5.06%	-0.40%	-1.55%	-10.47%	4.13%	8.37%
<b>WAKEFIELD MUNICIPAL LIGHT DEPT.</b>							
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	18.29%	26.92%	21.55%	25.28%	3.32%	25.39%	30.65%