

**READING MUNICIPAL
LIGHT DEPARTMENT**

**BOARD
OF
COMMISSIONERS**

REGULAR SESSION

APRIL 24, 2014

**READING MUNICIPAL LIGHT DEPARTMENT
BOARD OF COMMISSIONERS MEETING**

230 Ash Street
Reading, MA 01867

April 24, 2014

5:30 p.m.

1. **Call Meeting to Order**

2. **Opening Remarks**

3. **Introductions**

4. **Discussion of Fiscal Year 2015 – Capital and Operating Budgets**

ACTION ITEM

Note: The RMLD Board will vote on the Fiscal Year 2015 Capital and Operating Budgets.

RMLD Board Meetings

Thursday, May 8, 2014 – Joint Meeting with the RMLD Citizens' Advisory Board, Cost of Service Study

Thursday, May 29, 2014 – RMLD Board Meeting

5. **Adjournment**

ACTION ITEM

Suggested Motion:

Move to adjourn the Regular Session.

**FISCAL YEAR 2015
CAPITAL BUDGET**

**READING MUNICIPAL LIGHT
DEPARTMENT**

***FY 2015
CAPITAL BUDGET***

MARCH 28, 2014

Coleen O'Brien
General Manager

FY15 CAPITAL BUDGET
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**Reading Municipal Light Department
SYSTEM PROFILE
(based on CY 2013)**

SERVICE TERRITORY	51 square miles serving Reading, North Reading, Wilmington and part of Lynnfield
TOTAL OPERATING REVENUES	\$78,928,607
NUMBER OF CUSTOMERS	29,599
ANNUAL PEAK LOAD	167,759 kW on July 19, 2013
ANNUAL SALES	696,522,779 kWh
PLANT VALUE	\$128,824,441 (Gross) \$69,875,363 (Net)
SUPPLY VOLTAGE	115 kV
SUPPLY CAPACITY	<i>Station 4:</i> (3) 60 MVA Transformers (2) 40 MVA Transformers 260 MVA Connected, 200 MVA Firm <i>Station 3:</i> (2) 60 MVA Transformers 120 MVA Connected, 60 MVA Firm
DISTRIBUTION SYSTEM VOLTAGE	13,800 volt wye 4,160 volt wye
OVERHEAD PRIMARY LINES	All 335 miles
UNDERGROUND PRIMARY LINES	All 135 miles
DISTRIBUTION TRANSFORMERS	3,729 – 253.37 MVA Capacity
DISTRIBUTION SUBSTATIONS	(3) 380 MVA Capacity
UTILITY POLES	17,225 poles <i>Ownership:</i> 65% Verizon, 35% RMLD <i>Ownership By Town:</i> North Reading – RMLD Lynnfield – Verizon Reading <ul style="list-style-type: none"> • east of Main Street – Verizon • west of Main Street, east of West Street, south of Prescott Street – Verizon • west of West Street – RMLD • west of Main Street, north of Prescott Street – RMLD Wilmington <ul style="list-style-type: none"> • all poles with 35 kV sub-transmission circuits, and Concord Street – RMLD • all other locations in Wilmington – Verizon
APPLICATION SOFTWARE	
Billing and Accounting	Great Plains/Cogsdale
General PC	Windows 2012, 2008, SQL, Office 2013, 2008, 2012 Exchange 2010, Windows 7, 8, 8.1 Sharepoint Itron
FORECASTING	Metrix ND (Daily Forecasting – Energy Services)
ENGINEERING ANALYSIS	Milsoft (in process)

3/28/2014

READING MUNICIPAL LIGHT DEPARTMENT
Capital Improvements FY14-19
\$ Shown in thousands

Rows Shaded (beige) Represent
Completed Projects

ROW#	PG #	PROJECT #	PROJECT NAME	FY14 BUDGET	FY14 YTD Actual (2/20/14)	FY14 EST.	FY15 PLAN EST.	FY16	FY17	FY18	FY19	BRIEF DESCRIPTION
F A	4	121	HVAC System Upgrade - 230 Ash Street	275		50	399	250				Replace (2) boilers; (2) chillers; (3) air handling units; (2) building automation systems addressing air filtration and efficiency. Study will include consideration of solar generation on site and best use of all facilities including leased. Proceed based on findings of Master Facilities Plan. Offer by potential sale of 230 Ash.
F A	6	129	Master Facilities Site Plan	150		50	50	2,000	2,000			Refer to project 129.
F A	n/a	124	Rehabilitation of Station 1 - 226 Ash Street	520				500	2,000			Comprehensive study of all sites and temporary measures; all water separator, environmental compliance. Access control, alarm monitoring, video and perimeter monitoring along the fence lines.
F A	n/a	120	Build Covered Storage	150								25 Scheduled vehicle replacement.
F A	9	TBD	Oil Containment Facility Construction			80	80	25	25	25		Data conversion and upgrade to including software, hardware, training, consulting, and project management.
F A	11	TBD	Security Upgrades All Sites			470	470	434	431	523		
F A	14	118	Rolling Stock Replacement (vehicles, trailers for trucks)	470				434	431	523		
M A	19	TBD	Great Plains/Cogsdale Update					50				
M A	22	127	Hardware Upgrades	181		98	102	122	122	122		Upgrade ESXi servers, upgrade EMC SAN storage, GIS server.
M A	24	128	Software and Licensing	180		50	73	122	146	146		Custom programming OUY/JAY/GIS/GPS, Vcam One cluster license, Sharepoint and 80 CAL's
S W	27	101	SW9 Reconductoring - Balladvale Area, Wilmington	169		169	253	196				Upgrade 7,000' of circuit to 795 spacer for capacity feeding Balladvale area (Target).
S L	29	104	Upgrade of Old Lynnfield Center URDS (Cook's Farm)	411		174	217					Upgrade for reliability and to meet construction standards.
S R	31	105	4W5-4W6 Tie	97		35	70					Install 1,500' of circuit 556 spacer in order to shift distribution load feeding Addison Wesley and South Main St and complete extension to Summer Street.
S R	33	108	Relay Replacement - Station 4 (Gaw)	117			50	67				Replace existing electromechanical protective relay systems on the 15KV feeder breakers. The new relays will be capable of providing more information back to SCADA and store vast amounts of data for down loading and evaluation.
S NR	35	130	Remove Terminal Unit (RTU) Replacement - Station 3	84			85					Upgrade to add functionality of the existing SEL relays. RTU will be IP addressable and will include Ethernet connection.
S A	37	122	Engineering Analysis Software & Data Conversion	37	18	25	55					Microsoft Engineering modeling integration with GIS.
S A	39	125	GIS	0		50	150					Current GIS model requires data integrity and quality inspection. Comprehensive data collection.
S R	42	TBD	Force Account West Street, Reading				224					Reconstruction of West Street, R. (State project). Estimated July 2014 start date. Partial state reimbursement (capital/expense).
S W	44	TBD	Pole Line Upgrade - Lower Street, Wilmington				173					Upgrade (20) poles to proper strength, create proper clearance between utilities and transfer, benefit to long term reliability.
S A	46	TBD	Distribution Protection & Automation				69	30	30	30		30 Install reclosers on feeders for fault isolation and installing capacitor controls for various cap banks on the system.
S A	48	TBD	SCADA System Upgrades - Hardware				63					Upgrade Survival system to a new version supporting new technology.
S A	50	131	LED Street Light Pilot Area - All Towns			10	37	1,200	1,200	1,200		Pilot to be done in FY15. Potential FY15 Grant.
S A	52	TBD	Outage Management Software & Integration				85					
S A	54	TBD	Predictive Asset Management Program				80	80	30	30		30 Asset management system to track distribution and substation assets in a preventative manner.
S A	56	TBD	Substation Test Equipment				121	50	50	50		Purchase of test equipment for substation and metering.
S A	58	TBD	Arc Flash Study				35					
S A	60	TBD	Organizational/Reliability Study				100	100	300	300		300 Purchase of units for proposed projects and stock.
S A	63	116	Transformers & Capacitors	284		456	444	300				25 Materials to accommodate expanded use of fiber optic network.
S A	65	126	Communication Equipment (Fiber Optic)	100	7	20	30	25	25	25		25 Purchase meters for stock. 500 Club meter upgrade to being investigated.
S A	67	117	Meters Purchase (including "500 Club")	345	184	268	127	213	213	213		213 Replace primary and neutral cables and pad-mount transformers as needed in various aging URDS. Improved reliability.
S A	69	106	URU Upgrades - All Towns	210	22	210	319	213	213	213		250 Convert areas to 13 kV, remove antiquated equipment and step-downs to lower losses and improve system efficiency.
S A	71	107	Step-down Area Upgrades - All Towns	233		179	203	250	250	250		
S A	73	112	New Service Installations (Commercial/Industrial)	56	27	42	57	50	50	50		50 Install new and upgraded commercial three-phase electrical services as requested.
S A	73	113	New Service Installations (Residential)	200	151	256	260	250	250	250		250 Install new and upgraded residential services as requested.
S A	77	114	Routine Construction	1,014	1,017	1,576	947	1,000	1,000	1,000		1,000 Non-project capital including labor, pole sets, transfers, UG, police details, and OT.
F A	123	103	New Radio System	100	95	98						New digital radio system to provide better coverage and added features.
S L	103	103	Upgrading Old Lynnfield Center (URDS (Trog Hawk))	141	71	71						Upgrade for reliability and capacity and to meet construction standards.
S L	801	801	Essex Street Reconductoring		59	59						7,200' of 335 spacer/cable and (3) transformers, improved reliability
S NR	110	110	Station 3 - Replacement of Service Curtains	30		30						Replace potted porcelain curtains which are prone to failure.

FACILITIES MANAGEMENT

<i>Continuing Projects:</i>		Page #	Project #
⌘	HVAC System Upgrade	4	121
⌘	Master Facilities Site Plan	6	129
	Rehabilitation of Station 1 – Pending Master Facilities Site Plan		124
	Building Covered Storage – Pending Master Facilities Site Plan		120
<i>New Projects for FY15:</i>			
⌘	Oil Containment Facility Construction	9	TBD
⌘	Security Upgrades – All Sites	11	TBD
<i>Annual Projects:</i>			
⌘	Rolling Inventory	14	118

CAPITAL PROJECT SUMMARY

Project Name: HVAC System Upgrade – 230 Ash Street

Project Schedule: FY14-16 **Project Manager:** David Polson
Facilities Manager

Reason for Expenditure:
Upgrade the HVAC system at 230 Ash Street.

Brief Description/Scope:
Replace two (2) boilers, two (2) chillers, three (3) air handling units, two (2) building automation systems; address building envelope and air infiltration. Improve the overall energy efficiency of the building.

FY 2015 – Replace boilers, chillers and ABS – Estimated Cost \$400,000

FY 2016 – Replace Air Handling units and remaining ABS – Estimated cost \$250,000

Barriers:
Final design and equipment lead time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)
Scope of work remains the same.

Status Update From Prior Fiscal Year:
FY14 Estimated spending \$50,000 for project preparation, engineering and design costs.

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: HVAC System Upgrade - 230 Ash Street

SCHEDULE: FY14-16

PROJECT #: 121

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC.	TOTAL
Replace boilers, chillers and ABS.				\$39,079		\$360,000	\$399,079
14.25 weeks Facilities Labor				Unit Cost	\$2,742	per week	
							Unit Cost
							Unit Cost
							Unit Cost

Total RMLD Crew Weeks
Total U/G Crew Weeks

TOTAL \$39,079 \$360,000

FY15 ESTIMATED COST: \$399,079

Estimated: FY14 \$50,000
Estimated: FY16 \$250,000

ESTIMATED TOTAL PROJECT COST: \$699,079

CAPITAL PROJECT SUMMARY

Project Name: Master Facilities Site Plan

Project Schedule: FY14-17

Project Manager:

David Polson
Facilities Manager

Reason for Expenditure:

The Master Facilities Site Plan will continue into FY15 finalizing options and creating bid documents to begin addressing building use and storage allocation requirements. The final plan will also include the photovoltaic recommendations as part of the Facilities Master Plan.

Brief Description/Scope:

Complete the assessment of the office space, Station 1, garage and leased warehouse space. Finalize recommendations and create a long-term strategic plan based on current and future needs working collaboratively with other Town agencies.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

Status Update From Prior Fiscal Year:

FY14 The study will be influenced by the Organizational Study and additional collaboration with the Town. Facilities Master Site Plan RFP will be sent out at the end of March 2014.

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Master Facilities Site Plan

SCHEDULE: FY14-17

PROJECT #: 129

ITEM	CREW WEEKS	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Hire consultant to perform Master Site Plan for Ash Street Campus.						\$38,000	\$38,000
	Unit Cost						
Facilities Department Labor:				\$12,341			\$12,341
4.5 week (s)				\$2,742		per week	
	Unit Cost						
	Unit Cost						
	Unit Cost						
	Unit Cost						
Police Details (if applicable)	Unit Cost						
TOTAL							\$12,341

FY15 ESTIMATED COST: \$50,341

Estimated: FY14 \$50,000

ESTIMATED PROJECT COST: \$100,341

FACILITIES MANAGEMENT

NEW PROJECTS

CAPITAL PROJECT SUMMARY

Project Name: Oil Containment Facility Construction

Project Schedule: FY14-15 **Project Manager:** David Polson
Facilities Manager

Reason for Expenditure:

Perform a study and take temporary measures related to oil containment at Station 3 and the Ash Street Campus

Brief Description/Scope:

RMLD stores new and used oil filled equipment in multiple locations. This project provides engineering and design services, centralizes the location of the equipment and provides temporary containment measures. There will be two containment areas, one at the Ash Street Campus and a second at Station 3. Permanent concrete containment areas will be installed in FY15.

Barriers:

Engineering, Design & Permitting

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

CAPITAL PROJECT SUMMARY

Project Name: Security Upgrades – All Sites

Project Schedule: FY15-19 **Project Manager:** David Polson
Facilities Manager

Reason for Expenditure:

Security enhancements at our substations and other owned and leased facilities.

Brief Description/Scope:

Scope of work includes upgrades and modification of our cameras, access control points, entry point alarms, and perimeter fencing.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Security Upgrades - All Sites

SCHEDULE: FY15-19

PROJECT #: TBD

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC	TOTAL
Upgrades and modifications to cameras, access control points, entry point alarms and perimeter fencing.				\$10,970		\$50,000	\$60,970
4 weeks Facilities Labor	Unit Cost			\$2,742	per week		
	Unit Cost						
	Unit Cost						
	Unit Cost						
	Unit Cost						
	Unit Cost						

TOTAL \$10,970 \$50,000

FY15 ESTIMATED COST: \$60,970

Estimated:	FY16	\$25,000
	FY17	\$25,000
	FY18	\$25,000
	FY19	\$25,000

ESTIMATED PROJECT COST: \$160,970

FACILITIES MANAGEMENT

ANNUAL PROJECTS

CAPITAL PROJECT SUMMARY

Project Name: Rolling Stock Replacement (vehicles, trailers and fork trucks)

Project Schedule: Annual

Project Manager: David Polson
Facilities Manager

Reason for Expenditure:

Replace vehicles based on an 8-10 year cycle to reduce maintenance costs and improve reliability. Vehicles removed from the fleet will be disposed of under RMLD Policy No. 2 "Surplus Material."

Brief Description/Scope:

In FY 2015 four (4) new vehicles will be purchased and six (6) vehicles/trailers will be retired.

Barriers:

Lead time for line trucks is +/- 300 days once the order is placed. Bid process and award must be completed early to ensure delivery within Fiscal Year 2015.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

Status Update From Prior Fiscal Year:

TABLE 1: ROLLING STOCK CAPITAL OUTLAY

Vehicle ID #	Year	Last Mileage Date	Current Mileage	Average Annual Maintenance Costs	Department	Vehicle Type	2014	2015	Comment
2	2005	12/24/13	29,848	\$960.35	Pool	Toyota Prius		<u>Surplus</u>	
3	New Vehicle - Sub Maintenance				Tech Services	Box Truck		\$150,000.00	
4	2005	1/14/14	78,000	\$1,607.87	Meter	Ford F-150		<u>Surplus</u>	
7	2007	10/31/13	104,663	\$1,913.33	Customer Service	Ford Escape will be surplusd when new vehicle is received		\$26,000.00	
9	2003	12/19/13	196,939	\$15,545.05	Line	Inter - 40'Bucket	<u>Surplus</u>		
10	2014	2/1/14	0	\$0.00	Line	Inter - 40'Bucket	\$183,244.00		
11	1999	12/30/13	63,427	\$14,618.05	Line	Ford - 55'Bucket	<u>Surplus</u>		
13	2008	1/21/14	91,638	\$2,038.16	Line GF	Ford Escape will be surplusd when new vehicle is received		\$26,000.00	
14	1998	12/4/13	62,081	\$11,413.72	Line	Inter - 45'Dlgdrk		\$231,750.00	
30	1999	10/17/13	73,993	\$1,322.65	Line	Ford Van	<u>Surplus</u>		NR
30	2014	2/1/14	0	\$0.00	Stations	Ford - F- 150	\$29,965.00		
31	2014	2/1/14	0	\$0.00	Engineering	Ford - F -150	\$30,397.00		
35	2002	9/16/13	123,495	\$3,076.35	Line	Ford F-150	<u>Surplus</u>		NR
44	2001	12/11/13	49,041	\$16,315.01	Line	Sterling - 55'Bucket	<u>Surplus</u>		
44	2014	2/1/14	0	\$0.00	Line	Intern 55' MH	\$198,000.00		
48	2000	12/2/13	49,128	\$11,558.78	Line	Chevy - 40'Bucket		<u>Surplus</u>	
T5	1979	n/a		Insp	Line	Nevlen Cable	<u>Surplus</u>		Scrap
T6	1979	n/a		Insp	Line	Nevlen Cable		<u>Surplus</u>	
T10	1984	n/a		Insp	Line	Nevlen Cargo	<u>Surplus</u>		Scrap
T11	1984	n/a		Insp	Line	Nevlen Cargo	<u>Surplus</u>		Scrap
							<u>\$441,606.00</u>	<u>\$433,750.00</u>	

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Rolling Stock Replacement

SCHEDULE: FY15

PROJECT #: 118

ITEM	CREW WEEKS	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Purchase (1) Box Truck						\$150,000	\$150,000
	Unit Cost						\$150,000 per vehicle
Purchase (2) small SUVs						\$52,000	\$52,000
	Unit Cost						\$26,000 per vehicle
Purchase (1) 45' Digger Derrick						\$231,750	\$231,750
	Unit Cost						\$231,750 per vehicle
	Unit Cost						
	Unit Cost						
Police Details (if applicable)							
	Unit Cost						

TOTAL \$433,750

TOTAL PROJECT COST: \$433,750

MIS

Continuing Projects:		Page #	Project #
None			n/a
New Projects for FY15:			
⌘	Great Plains/Cogsdale Update	19	TBD
Annual Projects:			
⌘	Hardware Upgrades	22	127
⌘	Software Upgrades	24	128

MIS

NEW PROJECTS

CAPITAL PROJECT SUMMARY

Project Name: Great Plains/Cogsdale Upgrade

Project Schedule: FY15-16

Project Manager: Mark Uvanni
MIS Manager

Reason for Expenditure:

We are currently using Great Plains/Cogsdale Version 10 as our financial management and customer service management (CSM) software. Version 10 will no longer be supported by the end of 2014 (calendar) or shortly thereafter. We will be doing a 'data conversion' upgrade to Great Plains/Cogsdale 2013. The costs include software, hardware, training, consulting, custom programming and project management. System will provide new work order system capability and integration with Engineering and customer data-bases for improved customer service and system reliability.

Brief Description/Scope:

Upgrade will be a 'data conversion' update to Version 2013 (most current stable build). It will update current CSM and financial systems to the newest version. Project will encompass software, hardware, consulting (CDM), training, custom programming, and project management (RMLD and CDM)

Barriers:

Successful interfacing of various adjunct systems.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Great Plains/Cogsdale Upgrade

SCHEDULE: FY15-16

PROJECT #: TBD

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC.	TOTAL
Great Plains/Cogsdale Update to 2013						\$200,000	\$200,000
Unit Cost							
CDM Project Mangement and Consulting - GP/Cogsdale Update						\$150,000	\$150,000
Unit Cost							
Unit Cost							
Unit Cost							
Unit Cost							

TOTAL \$350,000

FY15 ESTIMATED COST: \$350,000

Estimated: FY16 \$50,000

ESTIMATED TOTAL PROJECT COST: \$400,000

MIS

ANNUAL PROJECTS

CAPITAL PROJECT SUMMARY

Project Name: Hardware Upgrades

Project Schedule: Annual

Project Manager: Mark Uvanni, MIS
Manager

Reason for Expenditure:

This is an amount annually reserved for failed and/or obsolete computer and related equipment. This budget item is also used for unforeseen purchases which may be necessary.

Brief Description/Scope:

General hardware purchases plus the following specific projects.

- Vmware ESXI Servers plus contract labor
- Upgrade EMC SAN Storage
- New GIS Server

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Hardware Upgrades SCHEDULE: FY15
 PROJECT #: 127

ITEM	CREW WEEKS	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
a) General hardware purchases and installation.				\$7,000		\$50,000	\$57,000
2.41 weeks MIS Administration		Unit Cost		\$2,907		per week	
b) Vmware ESXI Servers plus Contract Labor						\$21,000	\$21,000
		Unit Cost					
c) Upgrade EMC SAN Storage				\$2,500		\$11,000	\$13,500
0.86 weeks MIS Administration		Unit Cost		\$2,907			
d) New GIS Server				\$2,500		\$7,500	\$10,000
0.86 weeks MIS Administration		Unit Cost		\$2,907		per week	
		Unit Cost					
		Unit Cost					
		Unit Cost					
TOTAL				\$9,500		\$89,500	

TOTAL PROJECT COST: **\$101,500**

CAPITAL PROJECT SUMMARY

Project Name: Software and Licensing

Project Schedule: Annual **Project Manager:** Mark Uvanni, MIS
Manager

Reason for Expenditure:

Each year RMLD must renew existing software licenses and purchase new software, either to update existing users or for new users. Additionally, new software may be added at the request of various operating units. This item includes these ad hoc purchases as well as more specific items (outlined below) which are anticipated at this time.

Brief Description/Scope:

In addition to the standard software and licensing purchases described above, we anticipated the following:

- Custom programming/development for OM/UAN/GIS/GPS
- Veeam One – an additional cluster license
- Sharepoint on-site standard and 80 CAL's

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Software and Licensing

SCHEDULE: FY15

PROJECT #: 128

ITEM	CREW WEEKS	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
a) General software purchases. 2.06 week(s) MIS Administration				\$6,000		\$40,000	\$46,000
		Unit Cost		\$2,907	per week		
b) Custom programming/development OM/UAN/GIS/GPS						\$50,000	\$50,000
		Unit Cost					
c) Veean One - additional VM Cluster License				\$1,000		\$7,500	\$8,500
0.344 week(s) MIS Administration		Unit Cost		\$2,907	per week		
d) SharePoint On-Site Standard and 80 CAL's				\$2,500		\$15,000	\$17,500
0.86 week(s) MIS Administration		Unit Cost		\$2,907	per week		
		Unit Cost					
		Unit Cost					
		Unit Cost					
TOTAL				\$9,500		\$112,500	

TOTAL PROJECT COST: \$122,000

SYSTEM

Continuing Projects Update:

	Page #	Project #
⌘ 5W9 OH Reconductoring – Balladvale Area	27	101
⌘ Upgrade Old Lynnfield Center URDs (Cook’s Farm)	29	104
⌘ 4W5-4W6 Tie	31	105
⌘ Relay Replacement – Station 4 (Gaw)	33	108
⌘ Remote Terminal Unit (RTU) Replacement - Station 3	35	130
⌘ Engineering Analysis Software and Data Conversion	37	122
⌘ GIS	39	125

New Projects for FY15:

⌘ Force Account (Mass DOT) West Street, Reading	42	TBD
⌘ Pole Line Upgrade – Lowell Street, W	44	TBD
⌘ Distribution Protection & Automation	46	TBD
⌘ SCADA System Upgrade	48	TBD
⌘ LED Street Light Conversion	50	131
⌘ Outage Management Software & Integration	52	TBD
⌘ Predictive Asset Management System	54	TBD
⌘ Substation Test Equipment	56	TBD
⌘ Arc Flash Study	58	TBD
⌘ Organizational Study/Reliability Study	60	TBD

Annual Projects:

⌘ Transformers, Capacitors & Reclosers	63	116
⌘ Communication Equipment (Fiber)	65	126
⌘ Meters	67	117
⌘ URD Upgrades – All Towns	69	106
⌘ Step-down Area Upgrades – All Towns	71	107
⌘ New Service Installations	73	
Commercial/Industrial		112
Residential		113
⌘ Routine Construction	77	114

CAPITAL PROJECT SUMMARY

Project Name: 5W9 Reconductoring – Balladvale Area, Wilmington

Project Schedule: FY14-16 **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

5W9 is a 336 spacer cable circuit that feeds Ballardvale Street and Research Drive in Wilmington. This feeder construction dates back to the 1980s. This circuit has seen heavy loading during the summer peaks and is experiencing load growth. This load growth includes the new Target Store and associated retail mall as well as some proposed projects on Research Drive. The project will add to the long-term reliability of the area and contingency planning by increasing the feeder capacity.

Brief Description/Scope:

Reconductor existing 336 spacer cable with 795 spacer cable, upgrade brackets as needed, and re-use existing messenger cable.

Barriers:

This is a Verizon set area. Also, we will need a flagman to reconductor over the railroad tracks on Middlesex Ave in North Wilmington.

Change in Scope of Work from Prior Fiscal Year: Increase (Decrease)
n/a

Status Update From Prior Fiscal Year:

FY14 The framing for Wildwood Street was started in January. The primary cable for this project is now in stock. We may have two crews work on this project to get the FY14 scheduled work completed before June 1.

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: 5W9 Reconductoring - Ballardvale Area, W.

SCHEDULE: FY2014-16

PROJECT #: 101

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC.	TOTAL
Install 25,200 feet of 795 spacer cable (8,400 circuit feet). Re-use existing messenger.	8.0	\$93,693	\$14,720			\$65,000	\$173,413
Unit Cost		\$11,712	\$1,840				
Reframe approximately 60 poles with new brackets, miscellaneous sleeves, hardware and connectors.	3.0	\$35,135	\$5,520			\$10,000	\$50,655
Unit Cost		\$11,712	\$1,840		per week		
Unit Cost							
Unit Cost							
Engineering Labor: 1 week(s)				3,629			\$3,629
Unit Cost				\$3,629		per week	
Police Details (if applicable) 10.0 week(s)				\$24,807			\$24,807
Unit Cost				\$2,481		per week	
Total RMLD Crew Weeks	11.0						
Total U/G Crew Weeks							
TOTAL		\$128,827	\$20,240	\$28,437		\$75,000	

FY15 ESTIMATED COST: \$252,504

Estimated: FY14 \$189,494
Estimated: FY16 \$196,483

ESTIMATED TOTAL PROJECT COST: \$618,481

CAPITAL PROJECT SUMMARY

Project Name: Upgrading of Old Lynnfield Center URDs (Cook's Farm)

Project Schedule: FY14-15 **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

This is one of the original Lynnfield underground subdivisions and is over 40 years old. This area does not conform to the Department's current construction standards. When this system was installed, the design called for fiber duct, 2,400 volt primary cable, and no manholes. With this type of design, an underground cable failure could result in a significant outage for some customers.

Brief Description/Scope:

The first phase of this project was the Townsend and Needham Road Subdivision (FY12). The second phase is Russell Road, Trog Hawley and Charing Cross (FY13), and the third phase will be Cooks Farm, Cortland Lane, and Tophet Road (FY14). This project would require building a new underground distribution system within the public way. This involves the installation of manholes, conduits, transformers, underground primary and secondary cable, pull boxes, etc. The transformers would be replaced in the same location. The Department would intercept the customer's existing service and place a pull box on the property. If the customer wants to upgrade their service at the same time, they would be responsible from the pull box to the house. In FY14 the Department will begin Cooks Farm Lane, Cortland Lane, and Trophet Road. Engineering will petition the Town for permission to install the underground electric facilities and meet with the customers affected by this construction to explain the project and scope of work.

This project will require procuring an excavation contractor and may require the complete repaving of the subdivision.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

FY14 This project will start in FY14 and continue into FY15. This was the same case for the previous two subdivisions. The construction season for this type of project runs from mid-April to mid-October.

FISCAL 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Upgrading Old Lynnfield Center URDs (Cook's Farm) **SCHEDULE:** FY14-15
PROJECT #: 104

ITEM	CREW WEEKS 4-Man	CREW LABOR COST	CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Complete installation of: 6,000 feet of U/G conduit 5,400 feet of U/G 1/0 primary 1,800 feet of U/G 4/0 secondary 11 manholes, 9 transformers, etc.	8.0	\$93,693	\$14,720				\$108,413
		Unit Cost	\$11,712	\$1,840		per week	
	2-Man						
Underground Contractor: Complete one mile of trench	12.0			\$68,717	\$480		\$69,197
		Unit Cost		\$5,726	\$40	per week	
		Unit Cost					
		Unit Cost					
Engineering labor				\$14,517			\$14,517
4.0 weeks		Unit Cost		\$3,629			
		Unit Cost					
Police Details (if applicable)				\$24,807			\$24,807
10.0 weeks		Unit Cost		\$2,481		per week	

Total RMLD Crew Weeks 8.0
Total U/G Crew Weeks 12.0

TOTAL	20.0	\$93,693	\$14,720	\$108,041	\$480	\$0
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FY15 ESTIMATED COST: \$216,934

Estimated: FY14 \$174,000

ESTIMATED TOTAL PROJECT COST: \$390,934

CAPITAL PROJECT SUMMARY

Project Name: 4W5-4W6 Tie

Project Schedule: FY14-15 **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

With the development of the Addison Wesley Property and South Main Street, there is a need to shift a portion of the 4W6 distribution onto another circuit. Circuit 4W5 was extended down Oak Street from West Street many years ago in anticipation of the development of South Main Street. This project would complete the circuit extension down Oak Street to Summer Street. This project will add to the long-term reliability of the area and switching contingencies.

Brief Description/Scope:

Install approximately 1,500 circuit of 556 spacer and messenger, conductor 1,500 feet of secondary cable. Verizon to replace six (6) poles and the RMLD will install two (2) laminated poles.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

FY14 Laminated poles will be set by RMLD in FY14. Waiting for Verizon to replace other poles.

FISCAL 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: 4W5 - 4W6 Tie

SCHEDULE: FY2014-15

PROJECT #: 105

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Install 4,500 feet of 556 1,500 feet of 0.052 messenger	2	\$23,423	\$3,680			\$10,875	\$37,978
Unit Cost		\$11,712	\$1,840			See box at left.	
Install 1,500 feet 4/0 secondary cable	1	\$11,712	\$1,840			\$3,000	\$16,552
Unit Cost		\$11,712	\$1,840			See box at left.	
15 Miscellaneous pole line hardware and materials.						\$3,000	\$3,000
Unit Cost						\$200 per pole	
Replace poles - Verizon set and change 6 - 45' poles						\$2,400	\$2,400
Unit Cost						\$400 per pole	
Engineering 0.4 week				\$1,452			\$1,452
Unit Cost				\$3,629		per week	
Police Details (if applicable) 3.6 weeks				\$8,931			\$8,931
Unit Cost				\$2,481		per week	

Total RMLD Crew Weeks 3.0
Total U/G Crew Weeks

TOTAL \$35,135 \$5,520 \$10,382 \$19,275

FY15 ESTIMATED COST: \$70,312

Estimated: FY14 \$35,000

ESTIMATED TOTAL PROJECT COST: \$105,312

CAPITAL PROJECT SUMMARY

Project Name: Relay Replacement - Station 4 (Gaw)

Project Schedule: FY15-16 **Project Manager:** Nick D'Alleva
Technical Services Manager

Reason for Expenditure:

Replace the existing electro-mechanical protective relay systems on the 15kV feeder breakers at the Gaw Substation. These relays will be able to provide more information back to the SCADA; they also store vast amounts of data for down-loading and evaluating.

Brief Description/Scope:

Replace relays and rewire feeder cubicle for installation of this equipment previously purchased. Test and commission new relays.

Barriers:

None anticipated at this time

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)
none

Status Update From Prior Fiscal Year:

This project is a carry-over from FY14.

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Relay Replacement - Station 4 (Gaw)

SCHEDULE: FY15-16

PROJECT #: 108

ITEM	CREW WEEKS	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Miscellaneous materials including wire, test blocks, terminals, panels, etc.						\$1,114	\$1,114
Unit Cost							
Senior Techs (2)				\$25,812			\$25,812
10.0 weeks (5 weeks each)				\$2,581		per week	
Unit Cost							
Technical Services Manager				\$14,107			\$14,107
3.8 weeks				\$3,671		per week	
Unit Cost							
Engineering Consultant Design and inter-connection, and as built plans						\$6,405	\$6,405
Unit Cost							See box at left.
Electrical Testing Contractor testing and commssioning						\$2,562	\$2,562
Unit Cost							See box at left.
Unit Cost							
Police Details (if applicable)							
Unit Cost							

Total RMLD Crew Weeks
Total U/G Crew Weeks

TOTAL \$39,919 \$10,081

FY15 ESTIMATED COST: \$50,000

Estimated FY16 **\$67,000**

ESTIMATED TOTAL PROJECT COST: \$117,000

CAPITAL PROJECT SUMMARY

Project Name: Remote Terminal Unit (RTU) Replacement – Station 3

Project Schedule: FY15 **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

The existing RTU was installed in 2000 and uses a legacy TeleGyr 8979 protocol. This was done so that it would work with the old TeleGyr SCADA system. The existing RTU is not IP addressable, nor does it have an Ethernet connection. The RTU needs to be upgraded to add the functionality of the existing SEL relays at Station 3. A new RTU will give the Department the ability to communicate with the SEL relays, similar to what is being done at Station 4.

Brief Description/Scope:

Bid and purchase a pre-wired RTU enclosure, with required technical support, that will replace the existing RTU enclosure at Station 3. Contract with SEL for technical assistance and any required hardware for the interconnection. Station Supervisor and Senior Technicians will re-wire and terminate control wiring within the new RTU cabinet. Engineering will program and configure SCADA for new comm-line and RTU

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

FY14 This project was carried over from FY14.

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: RTU Replacement - Station 3

SCHEDULE: FY15

PROJECT #: 130

ITEM	CREW	RMLD	RMLD	OTHER	OTHER	MATERIAL	TOTAL
	WEEKS 4-Man	LABOR COSTS	VEHICLE COSTS	LABOR	VEHICLE	& MISC	
Purchase RTU and pre-wired enclosure and miscellaneous equipment.						55,000	\$55,000
Substation Senior Tech Labor: Mount and rewire SCADA points from interposition cabinet to new RTU.				7,743			\$7,743
3 week(s)	Unit Cost			2,581			
Technical Services Manager Labor:				11,012			\$11,012
3 week(s)	Unit Cost			3,671			
Engineering Labor: Crete new DNP com-line and program SCAD master.				10,888			\$10,888
3 week(s)	Unit Cost			3,629	per week		

Total RMLD Crew Weeks
Total U/G Crew Weeks

TOTAL \$29,843 \$55,000

FY15 ESTIMATED COST: \$84,643

CAPITAL PROJECT SUMMARY

Project Name: Engineering Analysis Software & Data Conversion

Project Schedule: FY14-15 **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

This software purchase and data conversion will allow the Engineering department to perform engineering analysis on the distribution system. Internally, the department would be able to perform fault current calculations, arc flash calculations, load flow and voltage drop calculations, load balancing, voltage regulator settings, etc. This new software would work with the existing coordination software that the Engineering department uses.

Brief Description/Scope:

Take the existing databases and newly collected as-built data, and core ESRI data for the GIS project and have it converted for use in the electric model by the Milsoft and Windmill software provider. Purchase the software necessary to perform the engineering analysis and to update map/land-base data. Purchase of server for software and databases.

Barriers:

GIS as-built data completion.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

FY14 RMLD needs to work with contractor to gather data for the ESRI model before Milsoft completes final data conversion.

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Engineering Analysis Software & Data Conversion

SCHEDULE: FY14-15

PROJECT #: 122

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC	TOTAL
Distribution System						\$55,000	\$55,000
	Unit Cost						
	Unit Cost						
	Unit Cost						
Police Details (If applicable) week(s)							
	Unit Cost					per week	

Total RMLD Crew Weeks
Total U/G Crew Weeks

TOTAL \$55,000

FY15 ESTIMATED COST: \$55,000

Estimated: FY14 \$25,000

ESTIMATED PROJECT COST: \$80,000

CAPITAL PROJECT SUMMARY

Project Name: GIS

Project Schedule: FY14-15 **Project Manager:** Hamid Jaffari, Director of Engineering and Operations

Reason for Expenditure:

GIS and GPS technology is used by electric companies to locate and map all of its assets in a geographically accurate format. This will facilitate system modeling, including contingency and reliability planning, developing system protection and coordination studies, creating maps, developing maintenance programs. This will enable us to make sound operational decisions by having data attributes in an engineering accurate scale of units. The RMLD GIS database does not reflect an as-built condition of the electric system with the data that has been inputted. Over 60 % of data has never been entered and no attribute list per system property unit has been developed. Critical electrical data that is necessary to build a valid engineering model is missing because the GIS database has not been fully updated since its creation. The goal of the GIS project is to evaluate the RMLD GIS database integrity and its data accuracy system wide, collect more field data, and bring the ESRI database up-to-date. RMLD is creating a template of desired GIS attributes to include the Milsoft WindMilMap required attributes for engineering analysis. RMLD does not have enough resources to collect pole by pole data throughout its service territory as this is a tedious and time consuming task. Staff augmentation using an outside data collector will be performed along with a data integration effort.

Brief Description/Scope:

Staff augmentation for comprehensive data collection to produce GIS as-built.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: GIS

SCHEDULE: FY14-15

PROJECT #: 130

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC	TOTAL
Staff Augmentation for comprehensive field data collection.						\$150,000	\$150,000
Police Details (if applicable) week(s)							

TOTAL \$150,000

FY15 ESTIMATED COST: \$150,000

Estimated FY14 \$50,000

ESTIMATED PROJECT COST: \$200,000

SYSTEM

NEW PROJECTS

CAPITAL PROJECT SUMMARY

Project Name: Force Account – West Street, Reading

Project Schedule: FY15 **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

MassDOT is reconstructing West Street, in Reading, from the Woburn town line to the intersection of Summer Avenue. The reconstruction includes the widening of the roadway, the installation of traffic signals and the resurfacing of the road. This work will require the RMLD to relocate poles, transfer construction, lower and raise manhole covers, and relocate conduits.

Brief Description/Scope:

Replace approximately 38 poles and 15 anchors, frame and transfer primaries, secondaries, transformers, services and street lights on 42 poles, relocate primary conduits and cables feeding Westcroft Circle, and lower and raise manhole frames and covers. All work except for the lowering and raising of the manhole frames and covers is reimbursable.

Barriers:

Verizon is responsible to replace 4 of the poles. The RMLD will need to petition the Town of Reading for any of the pole and conduit relocations. The MassDOT has approved these relocations, but they must be formally presented and approved by the Town.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: FA (MassDOT) West Street, R

SCHEDULE: FY15

PROJECT #: TBD

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Install approximately 38 poles and 15 anchors on West Street between South Street and Summer Avenue.	4.5	\$52,702	\$8,280			\$23,000	\$83,982
Unit Cost		\$11,712	\$1,840			See box at left	
Frame 42 poles for spacer cable curcult, primary laterals and secondary cable and transfer.	5.5	\$64,414	\$10,120			\$7,500	\$82,034
Unit Cost		\$11,712	\$1,840				
Relocate primary conduits and cables feeding Westcroft Circle to new pole (working with Underground Crew).	1	\$11,712	\$1,840				\$13,552
Unit Cost		\$11,712	\$1,840			per pole	
2-Man							
Underground Contractor: See above.	1	\$5,726	\$40				\$5,766
Unit Cost		\$5,726	\$40				
Engineering Labor:				\$10,888			\$10,888
3.0 weeks		Unit Cost		\$3,629		per week	
Police Details (if applicable)				\$27,288			\$27,288
11.0 weeks		Unit Cost		\$2,481		per week	

Total RMLD Crew Weeks 11.0
Total U/G Crew Weeks 1.0

TOTAL	\$134,554	\$20,280	\$38,176	\$30,500
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TOTAL PROJECT COST: \$223,510

CAPITAL PROJECT SUMMARY

Project Name: Pole Line Upgrade – Lowell Street, Wilmington

Project Schedule: FY15 **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

This section of Lowell Street currently has three (3) spacer cable circuits and two (2) aerial cable circuits. These poles are under-sized, under-classed, and over 30 years old. This project will upgrade the poles to the proper strength and height class, create the proper clearance between utilities, and benefit the long-term reliability of the system.

Brief Description/Scope:

Replace approximately twenty poles with 55'-1 poles along a section of Lowell Street in Wilmington, between West Street and Wobum Street. Frame poles with new hardware and transfer the three (3) spacer cable circuits, the two (2) aerial cable circuits, two (2) gang operated switches, four (4) primary laterals, secondaries, services, and street lights.

Barriers:

This is a Verizon set area, but they will not set 55' poles. Therefore, RMLD will set poles.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Pole Line Upgrade - Lowell Street, W SCHEDULE: FY15

PROJECT #: TBD

ITEM	CREW WEEKS	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC	TOTAL
Install approximately twenty (20) 55' - 1 poles on Lowell Street between West Street and Wobum Street. Transfer three (3) spacer cable circuits and two (2) aerial cable circuits.	4-Man 5.0	\$58,558	\$9,200			\$12,000	\$79,758
	Unit Cost	\$11,712	\$1,840				per week
Frame 20 poles for three (3) spacer cable circuits and two (2) aerial circuits with new brackets and hardware.	4.0	\$46,848	\$7,360			\$7,300	\$61,508
	Unit Cost	\$11,712	\$1,840				per week
	Unit Cost	\$11,712	\$1,840				
	Unit Cost						
Engineering Labor: 2 week(s)				7,259			\$7,259
	Unit Cost			3,629			per week
Police Details (if applicable) 10.0 week(s)				\$24,807			\$24,807
	Unit Cost			\$2,481			per week
Total RMLD Crew Weeks		9.0					
Total U/G Crew Weeks							
TOTAL		\$105,404	\$16,560	\$32,068		\$19,300	
							FY15 ESTIMATED COST: \$173,330

CAPITAL PROJECT SUMMARY

Project Name: Distribution Protection & Automation

Project Schedule: FY15-19 **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:
Increase distribution line protection.

Brief Description/Scope:
Install 13.8kV feeder reclosers on 13.8kV feeders to increase feeder protection along the primary distribution feeders serving all four (4) communities.

Barriers:
None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)
n/a

Status Update From Prior Fiscal Year:
n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Distribution Protection and Automation SCHEDULE: FY15-19
 PROJECT #: TBD

ITEM	CREW WEEKS	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC	TOTAL
Purchase and Install: (2) Reclosers with SCADA ready controls.	4-Man 1.0	\$11,712	\$1,840			\$51,000	\$84,552
	Unit Cost	\$11,712	\$1,840			\$25,500 each	
							\$0
	Unit Cost						
							\$0
	Unit Cost						
							\$0
	Unit Cost						
Engineering Labor: 0.6 week(s)				\$2,178			\$2,178
	Unit Cost			\$3,629		per week	
Police Details (if applicable) 1.0 week(s)				\$2,481			\$2,481
	Unit Cost			\$2,481		per week	

Total RMLD Crew Weeks 1.0
 Total U/G Crew Weeks

TOTAL	\$11,712	\$1,840	\$4,658	\$0	\$51,000
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FY15 ESTIMATED COST: \$69,210

Estimated	FY16	\$30,000
	FY17	\$30,000
	FY18	\$30,000
	FY19	\$30,000

ESTIMATED PROJECT COST: \$189,210

CAPITAL PROJECT SUMMARY

Project Name: SCADA System Upgrades - Hardware

Project Schedule: FY15

Project Manager: Peter Price, Chief Engineer

Reason for Expenditure:

SCADA Servers are original to the SCADA installation in 2000. Servers are running on Microsoft Server 2000 and need to be upgraded to the most current version.

Brief Description/Scope:

Purchase two new servers, one work station, two 16 port Ethernet switches, four 32" monitors and related hardware and cabling. Survalent to provide on-site technical assistance, as required.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: SCADA Upgrade

SCHEDULE: FY15

PROJECT #: TBD

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC	TOTAL
Purchase two (2) 161-port terminat servers and related hardware.						\$20,000	\$20,000
						\$10,000 per server	
On-site technical assistance.						\$10,000	\$10,000
						Unit Cost	
Purchase additional work-station and four (4) monitors (32")						\$7,500	\$7,500
						Unit Cost	
Purchase OMS System software and technical services for system integration (on-site and remote).						\$15,000	\$15,000
						Unit Cost	
Engineering Labor:				\$10,888			\$10,888
3 Weeks				\$3,629		per week	
						Unit Cost	

TOTAL \$10,888 \$52,500

FY15 ESTIMATED COST: \$63,388

CAPITAL PROJECT SUMMARY

Project Name: LED Street Light Pilot Area – All Towns

Project Schedule: FY15

Project Manager: Brian Smith, Engineering
Project Manager

Reason for Expenditure:

Street light technology has advanced greatly over the years and has moved towards the installation and use of the more energy efficient and longer lasting LED replacements. This project will allow us to evaluate the performance of, monitor the energy usage of and get feedback on the lighting provided by this newer technology. With this information we can determine if this is the path that the RMLD will choose for street lighting in the future

Brief Description/Scope:

Purchase and install approximately 80 LED street lights, 20 per town, in the pilot area that is chosen. The replacements will be a direct replacement with an LED fixture that has approximately the same lumen output as the original fixture.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: LED Street Light Pilot SCHEDULE: FY15
 PROJECT #: 131

ITEM	CREW WEEKS 2-Man	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Pilot Program:	1	\$5,856	\$920			\$24,400	\$31,178
Install light fixtures. 80 LED Light Fixtures and Photocells		Unit Cost \$5,856	\$920			\$305 per unit	
Purchase Meters and Sockets 4 units (meter and socket)						\$600	\$800
						Unit Cost \$150 per meter	
Meter Tech Labor: Install Meters and Sockets 1 week(s)		\$2,519					\$2,519
		Unit Cost \$2,519				per week	
Police Details: 1 week(s)				\$2,481			\$2,481
				Unit Cost \$2,481			
TOTAL		\$8,375	\$920	\$2,481		\$25,000	
Total RMLD Crew Weeks	1.00						FY15 ESTIMATED COST: \$36,775
Total U/G Crew Weeks							

CAPITAL PROJECT SUMMARY

Project Name: Outage Management Software & Integration

Project Schedule: FY15 **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

To create a live, real time Outage Management System (OMS). Once integrated, this will give the RMLD a real time OMS system that will import network connectivity from ESRI and Milsoft, customer information from Cogsdale, and outage data from the Itron Fixed Network.

Brief Description/Scope:

Survallent Technologies, the RMLD's SCADA manufacturer will provide the Survallent SmartOMS software for the dual redundant servers, the System Configuration Status interface, the MultiSpeak GIS Batch interface for ESRI and WindMil, the MultiSpeak CIS interface for Cogsdale, the MultiSpeak AMR interface for the Itron Fixed Network, and the OMS Outage Portal. Survallent to also provide one week of remote training for the programming and maintenance of SCADA Master System and OMS, one week on-site installation, commissioning, and assistance. Also includes the first year of support for the OMS.

Barriers:

Standard MultiSpeak interfaces are included. Survallent will evaluate and quote custom interfaces as required. New SCADA servers and the WindMil projects must be completed prior to this project.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Outage Management Software & Integrator SCHEDULE: FY15

PROJECT #: TBD

ITEM	CREW WEEKS 4-Men	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC	TOTAL	
Software Purchase						\$60,000	\$60,000	
Custom Programming						\$10,000	\$10,000	
Engineering Labor				\$14,517			\$14,517	
4 week(s)				\$3,629	per week			
Police Details (if applicable) week(s)								
TOTAL							\$14,517	\$70,000
							FY15 ESTIMATED COST: \$84,517	

CAPITAL PROJECT SUMMARY

Project Name: Predictive Asset Management Program

Project Schedule: FY15-19 **Project Manager:** Nick D'Alleva
Technical Services Manager

Reason for Expenditure:

This project is necessary to either purchase or design an Asset Management System that will track and trend the condition of RMLD's distribution and substation equipment.

Brief Description/Scope:

The RMLD will be exploring a predictive asset management program that can track the maintenance of distribution and substation equipment. The system will also allow RMLD to address maintenance issues that might arise in similar types of equipment.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Predictive Asset Management

SCHEDULE: FY15-19

PROJECT #: TBD

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC	TOTAL
Purchase and/or design of predictive asset management system.						\$80,000.00	\$80,000.00

TOTAL \$80,000

FY15 ESTIMATED COST: \$80,000

Estimated	FY18	\$80,000
Estimated	FY17	\$30,000
Estimated	FY18	\$30,000
Estimated	FY19	\$30,000

ESTIMATED PROJECT COST: \$250,000

CAPITAL PROJECT SUMMARY

Project Name: Substation Test Equipment

Project Schedule: FY15-18

**Project
Manager:**

Nick D'Alleva
Technical Services Manager

Reason for Expenditure:

This project is necessary to purchase several pieces of test equipment to be used by the Technical Services department.

Brief Description/Scope:

The RMLD is formulating a distribution and substation preventative maintenance program. In order to perform many of the electrical tests, additional test equipment will need to be purchased.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Substation Test Equipment **SCHEDULE:** FY15-18
PROJECT #: TBD

ITEM	CREW WEEKS	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER /EHICLI	NEW MATERIAL & MISC	TOTAL
Purchase of various test equipment.						\$121,000	\$121,000
Unit Cost							
							\$0
Unit Cost							
							\$0
Unit Cost							
							\$0
Unit Cost							
							\$0
Unit Cost							

TOTAL 0.0 0 \$0 \$0 \$0 \$121,000

FY15 ESTIMATED COST:	\$121,000
FY16	\$50,000
FY17	\$50,000
FY18	\$50,000

ESTIMATED PROJECT COST:	\$271,000
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CAPITAL PROJECT SUMMARY

Project Name: Arc Flash Study

Project Schedule: FY15 **Project Manager:** Hamid Jaffari, Director of Engineering and Operations

Reason for Expenditure:

Arc Flash is the result of a rapid release of energy due to an arcing fault between a phase bus bar and another phase bus bar, neutral or a ground. During an arc fault the air is ionized and becomes conductive. Arc faults are generally limited to systems where the bus voltage is in excess of 120 volts. The purpose of this study is to bring RMLD into compliance with NEC and NFPA70E Arc Flash requirements.

The NEC only requires that Arc Flash labels be displayed to warn of potential electric Arc Flash hazards. A detailed study of the RMLD system is required to determine the NEC required Arc Flash labels and suggestions to reduce Arc Flash energy.

NFPA70E, 2004, article 130.3 states, "A flash hazard analysis **shall** be done in order to protect personnel from the possibility of being injured by an arc flash." This option requires the employer to provide either an independent outside source or a qualified internal source to perform this analysis in accordance with the calculations defined by the NFPA70E or IEEE 1584. This option defines what level of PPE is required to protect RMLD employees when working near or energized devices.

Brief Description/Scope:

Qualified outside energy consultant to perform detailed report in accordance with NFPA70E.

Barriers:

GIS and Milsoft modeling complete.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Arc Flash Study

SCHEDULE: FY15

PROJECT #: TBD

ITEM	CREW	RMLD	RMLD	OTHER	OTHER	MATERIAL	TOTAL
	WEEKS	CREW	CREW	LABOR	VEHICLE	& MISC	
	4-Men	LABOR	VEHICLE				
		COSTS	COSTS				
Consultant to perform study.						\$35,000	\$35,000
	Unit Cost						
	Unit Cost						
	Unit Cost						
	Unit Cost						
Police Detells (if applicable) week(s)							
	Unit Cost						

TOTAL \$35,000

FY15 ESTIMATED COST: \$35,000

CAPITAL PROJECT SUMMARY

Project Name: Organizational/Reliability Study

Project Schedule: FY15-16 **Project Managers:** Coleen O'Brien, General Manager
Hamid Jaffari, Director of E&O

Reason for Expenditure:

The purpose of this study is to prepare a guideline for RMLD to provide excellent customer service including competitively priced electricity as a result of diligence in the areas of power supply risk management, system reliability and flexibility, and overall business efficiency.

This project includes both an Electric System Reliability Study and Organizational Study. The Organizational Study includes an assessment of the current organizational set up and recommending the required system facilities, engineering and operational functions, safety, and energy efficiency measures as they relate to current and future trending industry practices and standards. The reliability study includes an evaluation of RMLD distribution system to:

- 1) prepare a long and short range system planning study to provide adequate substation and feeder capacity for anticipated load growth, and
- 2) provide a roadmap to improve system reliability, introduce reasonable system distribution automation, and improve operating flexibility by incorporating system expansion plans with overall system rehabilitation and operation objectives.

Brief Description/Scope:

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Organizational & Reliability Study

SCHEDULE: FY15-16

FY15 SCOPE:

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC	TOTAL
Consultant to conduct study.						\$100,000	\$100,000
	Unit Cost						
	Unit Cost						
	Unit Cost			\$3,670.75			
	Unit Cost						
Police Details (if applicable) week(s)							
	Unit Cost					\$2,480.75 per week	

Total RMLD Crew Weeks
Total U/G Crew Weeks

TOTAL \$100,000

FY15 ESTIMATED COST:	\$100,000
FY18	\$100,000
ESTIMATED PROJECT COST:	\$200,000

SYSTEM

ANNUAL PROJECTS

CAPITAL PROJECT SUMMARY

Project Name: Transformers & Capacitors

Project Schedule: Annual **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

A major quantity of standard units is necessary for proposed projects and stock on an ongoing basis.

Brief Description/Scope:

- | | | |
|----|----------------------------------------------------------------------------------|--------------------|
| a) | Three-phase padmount transformers (commercial services) | Quantity: 8 units |
| b) | Single-phase padmount transformers for proposed subdivisions and stock. | Quantity: 70 units |
| c) | Three-phase polemount transformers for proposed commercial projects and stock | Quantity: 10 units |
| d) | Single-phase polemount transformers for proposed residential services and stock. | Quantity: 60 units |
| e) | Submersible transformers for stock. | Quantity: 4 units |
| f) | 1200 kVar capacitor banks. | Quantity: 4 units |

Barriers:

None anticipated at this time

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Transformers and Capacitors

SCHEDULE: FY15

PROJECT #: 116

ITEM	CREW LABOR WEEKS	CREW VEHICLE COST	CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
a) Three-phase padmount transformers for proposed commercial services and stock 8 units						\$96,000	\$96,000
	Unit Cost					\$12,000 per unit	
b) Single-phase padmount transformers for proposed subdivisions and stock 70 units						\$154,000	\$154,000
	Unit Cost					\$2,200 per unit	
c) Three-phase polemount transformers for proposed commercial services and stock 10 units						\$60,000	\$60,000
	Unit Cost					\$6,000 per unit	
d) Single phase polemount transformers for proposed residential services and stock 60 units						\$84,000	\$84,000
	Unit Cost					\$1,400 per unit	
e) Submersible transformers for stock 4 units						\$20,000	\$20,000
	Unit Cost					\$5,000	
f) 1200 kVar capacitor banks 4 units						\$30,000	\$30,000
	Unit Cost					\$7,500	

TOTAL \$444,000

TOTAL PROJECT COST **\$444,000**

CAPITAL PROJECT SUMMARY

Project Name: Communication Equipment (for Fiber Optic)

Project Schedule: Annual **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

As the RMLD expands its use of the fiber optic network to establish communication with metering equipment, recloser controls, capacitor bank controls and other distribution equipment, the Department will create fiber nodes at various locations along the fiber optic network. Each node will require an enclosure, a fiber optic interface, a power supply, cabling, fiber optic cable, and the termination of the fiber optic cable.

Brief Description/Scope:

Purchase materials and procure fiber optic cable splicers as needed.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Communication Equipment (Fiber) SCHEDULE: FY15
 PROJECT #: 126

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Fiber node materials to include the enclosure, patch panel, power supply and Ethernet switch.						\$15,000	\$15,000
3.0 units		Unit Cost				\$5,000	
Contract labor and materials for splicing fiber.						\$15,000	\$15,000
3.0 units		Unit Cost				\$5,000	
		Unit Cost					
		Unit Cost					
		Unit Cost					
		Unit Cost					

TOTAL #REF! \$30,000

TOTAL PROJECT COST: \$30,000

CAPITAL PROJECT SUMMARY

Project Name: Meter Purchases (including 500 Club)

Project Schedule: Annual

Project Manager: Nick D'Alleva, Technical Services Manager

Reason for Expenditure:

Purchase of meters and metering equipment for new construction, upgrades, and failures.

Additionally, the existing "500 Club" commercial meters which are manually read meters will be replaced. The proposal is to replace the existing meters with meters that can be read remotely with the fixed network system.

Brief Description/Scope:

100 residential time-of-use (TOU) meters – AMR and miscellaneous hardware will be purchases for stock.

The RMLD will begin changing out all "500 Club" commercial meters. In the same fashion as the commercial upgrade, the data will be transmitted to the RMLD via the fiber optic system which encircles the territory. The new data will provide reads at the desktop and additional consumption information.

This fixed network offers the ability to remotely:

- a. Perform all reads from the office;
- b. Amend the frequency of reads to maintain the read cycle;
- c. Monitor and discuss customer usage from a monthly, daily, or hourly perspective.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

FY14 "500 Club" commercial upgrade is a carry-over.

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Meters

SCHEDULE: FY15

PROJECT #: 117

ITEM	CREW WEEKS	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL	
For Stock:								
Residential TOU ERT Meters AMR						\$20,000	\$20,000	
100 units		Unit Cost				\$200 each		
Locking sealing rings, seals and meter switches							\$10,000	\$10,000
For 500 Club:								
Meters and miscellaneous supplies.						\$55,000	\$55,000	
100 units		Unit Cost				\$550 each		
Technical Services Manager:								
Labor				\$3,671			\$3,671	
1 week(s)		Unit Cost		\$3,671		per week		
Station Techs:								
Labor				\$15,334			\$15,334	
4 week(s) Regular Time		Unit Cost		\$2,555.75		per week		
2 week(s) Over Time								
Network/System Administration:								
Labor				\$18,895			\$18,895	
6.5 week(s)		Unit Cost		\$2,907		per week		
Engineering:								
Labor				\$3,629			\$3,629	
1 week(s)		Unit Cost		\$3,629		per week		

TOTAL \$41,530 \$85,000

TOTAL PROJECT COST: \$126,530

CAPITAL PROJECT SUMMARY

Project Name: URD Upgrades – All Towns

Project Schedule: Annual **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

There are 244 +/- underground residential subdivisions in the RMLD service territory, of which, 65 +/- are over 25 years old. These subdivisions are in need of new primary cable and transformers. Some of the URDs are in step-down areas and need to be upgraded before they can be converted to 7,979 volts. Also, most of the existing transformers are live-front units. The new pad mount transformers will be dead-front units which will improve reliability by eliminating the possibility of animal contacts within the pad transformer

Brief Description/Scope:

Replace primary and neutral cables, and pad-mounted transformers as needed in the various URDs. Replace precast transformer pads with fiberglass box pads as needed for elevation requirements

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: URD Upgrades - All Towns

SCHEDULE: FY2015

PROJECT #: 106

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC.	TOTAL
Install approximately 50 padmount transformers. (Transformers are included in Annual Transformer Purchase)	10.0	\$117,116	\$18,400				\$135,516
Unit Cost		\$11,712	\$1,840				
Install approximately 7,000 feet of 1/0 Al UG cable and 7,000 feet of #2 CU neutral.	3.0	\$35,135	\$5,520			\$20,000	\$60,655
Unit Cost		\$11,712	\$1,840			\$2,000	
Materials: splices, elbows, terminations, connectors, box pads, tape, etc.						\$30,000	\$30,000
Unit Cost							
Unit Cost							
Underground Contractor: 13 week(s)				\$74,443	\$520		\$74,963
Unit Cost				\$5,726	\$40		
Engineering Labor: 5 week(s)				18,146			\$18,146
Unit Cost				\$3,629		per week	
Police Details (If applicable) week(s)							
Unit Cost						per week	

Total RMLD Crew Weeks 13.0
Total U/G Crew Weeks 13.0

TOTAL	\$152,250	\$23,920	\$92,590	\$520	\$50,000
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FY15 ESTIMATED COST:	\$319,280
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CAPITAL PROJECT SUMMARY

Project Name: Step-down Area Upgrades – All Towns

Project Schedule: Annual **Project Manager:** Peter Price, Chief Engineer

Reason for Expenditure:

There are 32 +/- step-down areas in the RMLD service territory. These are areas on the RMLD distribution system that were originally fed from 4kV distribution circuits. When the RMLD began moving load over to the 13.8kV distribution circuits, most areas were converted and some areas were re-fed with pole-mounted step-down transformers. Most of the distribution system in these areas are 30+ years old and in need of upgrades before they can be converted.

Brief Description/Scope:

Replace poles, primary cable, secondary cable, and overhead transformers, as needed, in the various step-down areas. Convert areas to 13.8kV and remove step-down transformers.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Step-down Area Upgrades - All Towns **SCHEDULE:** FY15
PROJECT #: 107

ITEM	CREW WEEKS 4-Man	RMLD CREW LABOR COSTS	RMLD CREW VEHICLE COSTS	OTHER LABOR	OTHER VEHICLE	MATERIAL & MISC.	TOTAL
Install 7,000' of 1/0 primary.	3.0	\$35,135	\$5,520			\$7,000	\$47,655
Unit Cost		\$11,712	\$1,840				
Install 7,000' of 4/0 - 3/C sec cable	5.0	\$58,558	\$9,200			\$14,000	\$81,758
Unit Cost		\$11,712	\$1,840				
Replace 15 transformers.	2.0	\$23,423.14	\$3,680			\$21,000	\$48,103
Unit Cost		\$11,712	\$1,840			\$1,400 per transformer	
Miscellaneous Hardware \$200 per pole for approximately 65 poles.						\$13,000	\$13,000
Unit Cost						\$200 per pole	
Underground Contractor: week(s)							
Unit Cost							
Engineering Labor: 2 week(s)				7,259			\$7,259
Unit Cost				3,629		per week	
Police Details (if applicable) 2.0 week(s)				\$4,961			\$4,961
Unit Cost				\$2,481		per week	
Total RMLD Crew Weeks	10.0						
Total U/G Crew Weeks							
TOTAL		\$117,116	\$18,400	\$12,220		\$55,000	

FY15 ESTIMATED COST: \$202,736

CAPITAL PROJECT SUMMARY

Project Name: Service Installations (Commercial and Residential)

Project Schedule: Annual **Project Manager:** n/a

Reason for Expenditure:

To install new and upgraded services for both residential and commercial/industrial customers in the service territory.

Brief Description/Scope:

- **Service Installations – Commercial/Industrial Customers:** This item includes new service connections, upgrades, and service replacements for commercial and industrial customers. This represents the time and materials associated with the replacement of an existing or installation of a new overhead service drop and the connection of an underground service, etc. This does not include the time and materials associated with pole replacements/installations, transformer replacements/installations, primary or secondary cable replacements/installations, etc. These aspects of a project are captured under Routine Construction.
- **Service Installations – Residential Customers:** This item includes new or upgraded overhead and underground services.

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)

n/a

Status Update From Prior Fiscal Year:

n/a

FISCAL 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Service Installatons-Commercial/Industrial

SCHEDULE: FY15

PROJECT #: 112

ITEM	CREW WEEKS 4-Man	CREW LABOR COST	CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Installation of new commercial/ Industrial service connections.	3	35,135	5,520			15,893	\$56,548
Unit Cost		\$11,712	\$1,840			See box at left.	
Unit Cost							
Unit Cost							
Unit Cost							
Unit Cost							
Unit Cost							
Police Details (If applicable) A							
Unit Cost							

Total RMLD Crew Weeks 3.0
Total U/G Crew Weeks

TOTAL	3.0	\$35,135	\$5,520	\$15,893
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TOTAL PROJECT COST \$56,548

FISCAL 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Service Installations - Residential Customers

SCHEDULE: FY15

PROJECT #: 113

ITEM	CREW WEEKS 2-Man	RMLD CREW LABOR COST	RMLD CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
Install new and upgraded service connections at approximately 360 units (approx 75-100 feet per installation).	30	\$175,674	\$27,600			\$56,250	\$259,524
	Unit Cost	\$5,855.79	\$920			per week	
	Unit Cost						
	Unit Cost						
	Unit Cost						
	Unit Cost						
	Unit Cost						

Total RMLD Crew Weeks 30.0 2-man crews
 Total U/G Crew Weeks

TOTAL 30.0 175,674 \$27,600 \$56,250

TOTAL PROJECT COST \$259,524

CAPITAL PROJECT SUMMARY

Project Name: Routine Construction

Project Schedule: Annual **Project Manager:** n/a

Reason for Expenditure:

Routine Construction covers capital projects that develop during the year involving items shown below.

Brief Description/Scope:

- Capital Construction – transformer installation, overhead and underground system upgrades, miscellaneous projects, pole damage, etc.
- Street Lights – new equipment installation
- Pole setting/transfers
- Engineering labor
- General Line Foreman Labor
- Underground capital construction
- Police details associated with Routine Capital work
- Overtime associated with Routine Capital work

Barriers:

None anticipated at this time.

Change in Scope of Work From Prior Fiscal Year: Increase (Decrease)
n/a

Status Update From Prior Fiscal Year:
n/a

FISCAL YEAR 2015 CAPITAL BUDGET COST SHEET

CAPITAL PROJECT NAME: Routine Construction

SCHEDULE: FY15

PROJECT #: 113

ITEM	CREW WEEKS	CREW LABOR COST	CREW VEHICLE COST	OTHER LABOR	OTHER VEHICLE	NEW MATERIAL & MISC	TOTAL
a) Capital Construction	4-Man 15	\$175,674	\$27,600			\$50,000	\$253,274
	Unit Cost	\$11,712	\$1,840			per week	
b) Street Light Installations <i>Included with LED Pilot for FY15</i>	2-man 3.6	\$21,081	\$3,312				\$24,393
	Unit Cost	\$5,856	\$920			per week	
c) Pole Setting/Transfers	4-Man 12	\$140,539	\$22,080			\$35,000	\$197,619
	Unit Cost	\$11,712	\$1,840			per week	
d) Engineering Labor 8.0 weeks				\$29,034			\$29,034
	Unit Cost			\$3,629		per week	
e) General Line Foreman Labor 26.0 weeks				\$85,615			\$85,615
	Unit Cost			\$3,293		per week	
f) U/G Construction	2-Man 6	\$34,358	\$240			\$75,000	\$109,598
	Unit Cost	\$5,726	\$40			per week	
g) Police Details 20.0 weeks				\$49,615			\$49,615
	Unit Cost			\$2,481		per week	
h) Overtime	4-Man 15	\$170,546	\$27,600				\$198,146
	Unit Cost	\$11,369.74	\$1,840			per week	
Total RMLD Crew Weeks	4 -Man 27.0						
Total U/G Crew Weeks	2-Man 6.0						
TOTAL	33.0	\$542,198	\$80,832	\$164,264		\$160,000	

TOTAL PROJECT COST **\$947,294**

FISCAL YEAR 2015
OPERATING BUDGET

1:16 PM
3/28/2014

READING MUNICIPAL LIGHT DEPARTMENT
2015 OPERATING BUDGET SUMMARY DRAFT 1
MARCH 31, 2014

	2015 BUDGET [A]	% CHANGE [A] & [B]	2014 7 MTHS ACT 5 MTHS BUD [B]	% CHANGE [B] & [C]	FY 13 ACTUAL [C]
OPERATING REVENUE:					
SALES OF ELEC - BASE	50,449,523.00	8.73%	46,400,000	2.64%	45,208,258
SALES OF ELEC - FUEL	36,949,646.00	14.45%	32,284,101	-6.02%	34,351,756
ENERGY CONSERVATION	692,860.00	0.96%	686,292	0.12%	685,480
PURCHASE POWER ADJUSTMENT	0.00	-100.00%	1,139,813	0.14%	1,138,193
GAW REVENUE	0.00	-100.00%	692,642	-0.50%	696,142
NYPA CREDIT	(700,000.00)	7.26%	(652,649)	-7.68%	-706,940
TOTAL OPERATING REVENUE	87,392,029	8.49%	80,550,199	-1.01%	81,372,889
OPERATING EXPENSES:					
PURCHASED POWER - BASE OPERATION EXPENSE	28,889,014	-0.95%	29,167,159	3.73%	28,117,958
MAINTENANCE EXPENSE	10,786,355	13.23%	9,526,178	-2.92%	9,812,541
DEPRECIATION EXPENSE	3,357,261	11.76%	3,003,950	-69.39%	2,768,230
TOWN PAYMENTS	3,892,000	3.02%	3,777,786	36.47%	3,665,630
	1,416,000	1.25%	1,398,521	-61.85%	1375900
SUB-TOTAL	48,340,629	3.13%	46,873,594	2.48%	45,740,259
PURCHASED POWER - FUEL	36,249,653	14.60%	31,631,195	-5.03%	33,305,373
TOTAL OPERATING EXPENSES	84,590,282	7.75%	78,504,789	-0.68%	79,045,632
NET OPERATING INCOME	2,801,747	36.98%	2,045,410	-12.11%	2,327,257
OTHER INCOME:					
MDSE AND JOBBING	276,000	23.56%	223,370	-33.25%	334,634
INTEREST INCOME	100,000	114.61%	46,596	90.70%	24,434
FORFEITED DISCOUNTS	1,109,890	15.16%	963,743	4.57%	921,639
MISCELLANEOUS REVENUE	750,000	19.73%	626,428	-33.78%	946,040
TOTAL OTHER INCOME	2,235,890	20.20%	1,860,137	-16.46%	2,226,747
MISCELLANEOUS INCOME DEDUCTIONS:					
CUSTOMER DEPOSIT INTEREST EXP	3,000	-28.35%	4,187	265.68%	1,145
OTHER DEDUCTIONS (ROI)	2,482,863	1.30%	2,450,999	-11.51%	2,769,741
TOTAL MISCELLANEOUS DEDUCTIONS	2,485,863	1.25%	2,455,186	-11.39%	2,770,886
NET INCOME	2,551,773	75.94%	1,450,361	-18.66%	1,783,118

1:09 PM
3/28/2014

READING MUNICIPAL LIGHT DEPARTMENT
2015 OPERATING BUDGET SUMMARY DRAFT 1
MARCH 31, 2014

	2015 BUDGET [A]	% CHANGE [A] & [B]	2014 7 MTHS ACT 5 MTHS BUD [B]	% CHANGE [B] & [C]	FY 13 ACTUAL [C]
PROJECTED REVENUE					
RESIDENTIAL REVENUE	<u>21,850,676</u>	8.15%	<u>20,204,971</u>	0.87%	<u>20,030,704</u>
COMMERCIAL REVENUE	<u>28,006,544</u>	10.66%	<u>25,308,513</u>	2.62%	<u>24,661,227</u>
STREET LIGHT REVENUE:					
PUBLIC	221,493	12.34%	197,158	0.70%	195,783
PRIVATE	68,823	68.56%	40,830	52.24%	26,820
SUB TOTAL	<u>290,316</u>	21.99%	<u>237,988</u>	6.91%	<u>222,603</u>
COOP - RESALE REVENUE	301,992	26.32%	<u>239,062</u>	-18.61%	293,721
TOTAL BASE REVENUE	<u>50,449,528</u>	9.70%	<u>45,990,534</u>	1.73%	<u>45,155</u>
FUEL REVENUE	36,949,646	19.10%	31,024,101	-9.69%	34,351,756
LESS PASNY CREDIT	(700,000)	7.26%	(652,645)	-7.68%	(706,940)
TOTAL NET FUEL REVENUE	<u>36,249,646</u>	19.35%	<u>30,371,456</u>	-9.73%	<u>33,644,816</u>
PURCHASED POWER ADJUSTMENT (PPA)	<u>1,050,884</u>	63.29%	<u>643,562</u>	-43.46%	<u>1,138,193</u>
ENERGY CONSERVATION - RESIDENTIAL	256,568	0.84%	254,440	-0.91%	256,789
ENERGY CONSERVATION - COMMERCIAL	436,292	1.03%	431,852	0.74%	428,691
TOTAL ENERGY CONSERVATION	<u>692,860</u>	0.96%	<u>686,292</u>	0.12%	<u>685,480</u>
GAW REVENUE	<u>0</u>	-100.00%	<u>692,642</u>	-0.50%	<u>696,142</u>
TOTAL REVENUES	<u>88,442,918</u>	12.83%	<u>78,384,486</u>	-3.67%	<u>81,372,886</u>

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READING MUNICIPAL LIGHT DEPARTMENT
2015 OPERATING BUDGET SUMMARY DRAFT 1
MARCH 31, 2014

	2015 BUDGET [A]	% CHANGE [A] & [B]	2014 7 MTHS ACT 5 MTHS BUD [B]	% CHANGE [B] & [C]	FY 13 ACTUAL [C]
	2015 BUDGET [A]	% CHANGE [A] & [B]	2,014 7 MTHS ACT 5 MTHS BUD [B]	% CHANGE [B] & [C]	FY 13 ACTUAL [C]
PROJECTED MISCELLANEOUS REVENUE					
MMWEC FLUSH OF FUNDS	500,000	0.00%	500,000	15.23%	433,900
CONTRIBUTIONS IN AID OF CONSTRUCTION	200,000	161.68%	76,428	-83.15%	453,679
SURPLUS APPLIED TO DEPRECIATION	50,000	0.00%	50,000	-14.47%	58,461
TOTAL MISCELLANEOUS REVENUE	<u>750,000</u>	<u>19.73%</u>	<u>626,428</u>	<u>-33.78%</u>	<u>946,040</u>

READING MUNICIPAL LIGHT DEPARTMENT
2015 OPERATING BUDGET SUMMARY DRAFT 1
MARCH 31, 2014

	2015 BUDGET [A]	% CHANGE [A] & [B]	2014 7 MTHS ACT 5 MTHS BUD [B]	% CHANGE [B] & [C]	FY 13 ACTUAL [C]
OPERATING EXPENSES:					
555 PURCHASED POWER	65,138,667	7.14%	60,798,354	-1.02%	61,423,331
TOTAL PURCHASED POWER	<u>65,138,667</u>	7.14%	<u>60,798,354</u>	-1.02%	<u>61,423,331</u>
568 MAINT OF TRANS PLANT	3,000	5.78%	2,836	4.07%	2,725
TOTAL TRANSMISSION EXP	<u>3,000</u>	5.78%	<u>2,836</u>	4.07%	<u>2,725</u>
580 OPER SUPER & ENGIN	583,668	18.27%	493,524	-1.99%	503,570
581 OPERATION LABOR	93,027	-10.07%	103,444	36.06%	76,028
581 1 OPERATION LABOR MISC	657,259	-15.77%	780,307	11.53%	699,667
582 OPERATION SUPPLIES & EXP	398,849	-16.23%	476,102	-0.46%	478,286
585 STREET LIGHTING EXP	82,907	1.93%	81,339	7.81%	75,447
586 METER EXP	247,938	11.67%	222,018	18.18%	187,867
588 MISC DISTRIBUTION EXP	402,885	7.67%	374,169	6.41%	351,642
590 MAINT OF STRUCTURE & EQUIP	484,026	223.25%	149,735	5.91%	141,374
593 MAINT OF LINES OH	1,792,794	10.92%	1,616,244	4.87%	1,541,147
594 MAINT OF LINES UG	130,694	-59.51%	322,749	57.69%	204,673
595 MAINT OF LINE TRANSFORMS	156,000	9.63%	142,299	-2.12%	145,386
596 MAINT OF ST LT & SIG SYS	9,745	142.48%	4,019	-3367.48%	(123)
597 MAINT OF METERS	43,290	108.73%	20,740	-51.20%	12,496
TOTAL DISTRIBUTION EXP	<u>5,083,084</u>	6.19%	<u>4,786,689</u>	7.63%	<u>4,123,496</u>
902 METER READING LABOR & EXP	30,922	-14.69%	36,246	-51.51%	74,751
903 ACCT & COLL LABOR & EXP	1,705,333	11.16%	1,534,169	2.89%	1,491,101
904 UNCOLLECTABLE ACCTS	120,000	-4.76%	126,000	232.28%	37,920
TOTAL CUST ACCT EXP	<u>1,856,255</u>	9.42%	<u>1,696,415</u>	5.78%	<u>1,603,772</u>
916 ENERGY AUDIT EXP	1,267,096	33.90%	946,302	-21.96%	1,212,536
920 ADMIN & GENERAL SALARIES	842,170	1.22%	832,033	8.30%	768,287
921 1 OFFICE SUPPLIES EXP	301,000	9.67%	274,458	-0.58%	276,073
923 OUTSIDE SERVICE EMPLOYED	351,650	-15.88%	418,019	-34.00%	633,341
924 PROPERTY INSURANCE	453,200	15.29%	393,089	6.28%	369,873
925 INJURIES & DAMAGES	49,059	5.07%	46,692	2.19%	45,691
926 EMPLOYEES PENSIONS & BENS	2,746,619	35.98%	2,019,837	-7.09%	2,174,071
930 MISC GENERAL EXP	240,772	41.77%	169,832	6.17%	159,956
931 RENT EXPENSE	212,000	6.75%	198,601	1.11%	196,422
932 1 MAINT OF GARAGE & STCKRM	567,531	-5.69%	601,777	5.34%	571,295
935 MTN OF GEN PLANT	170,180	18.55%	143,548	20.37%	119,256
TOTAL ADMIN & GEN EXP	<u>7,201,277</u>	19.14%	<u>6,044,188</u>	-7.39%	<u>6,526,801</u>
GRAND TOTAL	79,282,282	8.12%	73,328,482	-0.91%	74,004,089
LESS: PURCHASED POWER	(65,138,667)	7.14%	(60,798,354)	-198.98%	61,423,331
MAINTENANCE EXPENSES	(3,357,261)	11.76%	(3,003,950)	8.52%	(2,768,229)
TOTAL OPERATION EXPENSE	<u>10,786,355</u>	13.23%	9,526,178	-83.76%	<u>58,655,102</u>

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READING MUNICIPAL LIGHT DEPARTMENT
2015 OPERATING BUDGET SUMMARY DRAFT 1
MARCH 31, 2014

	2015 BUDGET [A]	% CHANGE [A] & [B]	2014 7 MTHS ACT 5 MTHS BUD [B]	% CHANGE [B] & [C]	FY 13 ACTUAL [C]
MAINTENANCE EXPENSE:					
568 MTN OF TRANS. PLANT	3,000	5.63%	2,840	4.22%	2,725
590 MTN OF STRUCTURES	484,026	223.25%	149,735	5.91%	141,374
593 MTN OF LINES - OH	1,792,794	10.92%	1,616,244	4.87%	1,541,147
594 MTN OF LINES - UG	130,694	-59.51%	322,749	57.69%	204,673
595 MTN OF LINE TRANS.	156,000	9.63%	142,299	-2.12%	145,386
596 MTN OF ST. LIGHTS	9,745	142.48%	4,019	-3367.48%	(123)
597 MAINT OF METERS	43,290	108.73%	20,740	-51.20%	42,496
932 1 MTN OF GEN PLANT	567,531	-5.69%	601,777	5.34%	571,295
935 MTN OF GEN PLANT	170,180	18.55%	143,548	20.37%	119,256
TOTAL MAINTENANCE EXPENSES	<u>3,357,261</u>	11.76%	<u>3,003,951</u>	8.52%	<u>2,768,229</u>
DEPRECIATION EXPENSE:					
403 DEPRECIATION EXPENSE	<u>3,892,000</u>	3.02%	<u>3,777,787</u>	3.06%	<u>3,665,630</u>
OTHER TAXES:					
408 OTHER TAXES (2% TOWN PAYMTS)	<u>1,416,000</u>	1.25%	<u>1,398,522</u>	1.64%	<u>1,375,900</u>
INTEREST ON CUSTOMER DEPOSITS:					
419-2 INTEREST EXP ON CUST DEP	<u>3,000</u>	-28.35%	<u>4,187</u>	265.68%	<u>1,145</u>





Description of RMLD's Power Supply

Stony Brook Intermediate Unit

The Stony Brook Intermediate Unit is a 354-megawatt, combined-cycle power plant that entered commercial operation in 1981.

The unit's three gas turbines generate electricity using either No. 2 oil or natural gas, with additional electricity produced using a single steam turbine in the combined-cycle process. MMWEC completed construction of a natural gas pipeline to serve the Intermediate Unit in September 2002. The RMLD has a Life of Unit (LOU) entitlement for 14.453% of the unit or approximately 51 Mws. The RMLD has paid off the debt service associated with this project.

Quick Facts – Stonybrook Intermediate Unit


Location	Ludlow, Massachusetts
On-Line Date	1981
Fuel	No. 2 oil/natural gas
Principal Owner/Operator	MMWEC
Total Capacity	354 megawatts



Stony Brook Peaking Unit

The Stony Brook Peaking Unit is a 172-megawatt peaking plant that entered commercial operation in 1982.

The unit's two turbines generate electricity using No. 2 oil. The RMLD has a Life of Unit (LOU) entitlement for 19.516% of the unit which is equivalent to approximately 33 Mws. The RMLD has paid off the debt service associated with this project.



Group, Inc. NextEra owns 88.2% of Seabrook Station. The other owners are MMWEC (11.59%) and two Massachusetts municipal utilities, the Taunton Municipal Lighting Plant (0.13%) and Hudson Light & Power Department (0.08%).

NextEra has announced plans to seek an extension of its Seabrook operating license from the current license expiration of 2030 to 2050. RMLD signed 3 different projects to finance Seabrook, Mix 1, Project 4, and Project 5. The debt service associated with these projects will be paid-off in 2014, 2017 & 2018 respectively. The RMLD has a Life of Unit (LOU) for 0.635% or approximately 8 Mws of the unit.

Quick Facts – Seabrook Station

Location	Seabrook, New Hampshire
On-Line Date	1990
Fuel	Nuclear – Pressurized Water Reactor
Principal Owner/Operator	NextEra Energy Resources, LLC
Total Capacity	1,244 megawatts

Millstone Unit 3

Millstone Unit 3 is a 1,237-megawatt nuclear generating plant located in Waterford, Connecticut. Millstone Unit 3, which began operation in 1986, is the newest and largest of the Millstone Station's three nuclear units, one of which is retired from service. The principal owner and operator of Millstone Station is Dominion Nuclear Connecticut, Inc., a subsidiary of Virginia-based Dominion Resources, Inc. Dominion Connecticut owns 93.4% of Millstone Unit 3.

The Nuclear Regulatory Commission (NRC) on November 28, 2005 approved Dominion Nuclear Connecticut's request for a 20-year operating license extension for Millstone's Unit 3 reactor. The license now expires in November, 2045. RMLD signed two different projects to finance Millstone #3, Mix 1 and Project 3. The debt service associated with these projects will be paid off in 2014 & 2018 respectively. The RMLD has a LOU agreement for 0.404% of the units which equates to approximately 4.6 Mws.



6/1/2015 – 5/31/2016	\$5.90	\$6.40
6/1/2016 – 5/31/2017	\$6.15	\$6.65

JP Morgan

In June, 2010 the RMLD signed a system power contract with JP Morgan that is effective from January 1, 2011 through December 31, 2014. The RMLD receives energy only from this contract. The amount of energy purchased fluctuates on a monthly basis for both the on-peak and off-peak period. RMLD has secured fixed pricing for this contract.

NextEra Energy Power Marketing, LLC

In June, 2011 the RMLD signed a system power contract with NextEra that is effective from January 1, 2012 through December 31, 2015. The RMLD receives energy only from this contract. The amount of energy purchased fluctuates on a monthly basis for both the on-peak and off-peak period. RMLD has secured fixed pricing for this contract.



Exelon

In June, 2012 the RMLD signed a system power contract with Exelon that is effective from January 1, 2013 through December 31, 2016. The RMLD receives energy only from this contract. The amount of energy purchased fluctuates on a monthly basis for both the on-peak and off-peak period. RMLD has secured fixed pricing for this contract.

BP Energy

In July, 2013 the RMLD signed a system power contract with BP Energy that is effective from January 1, 2014 through December 31, 2017. The RMLD receives energy only from this contract. The amount of energy purchased fluctuates on a monthly basis for both the on-peak and off-peak period. RMLD has secured fixed pricing for this contract.

Swift River Hydro

In March, 2011 the RMLD signed a purchase power agreements with Swift River Hydro LLC for the output of four hydro systems located in Massachusetts that are effective from February 1, 2011 through January 31, 2026. The Swift River Trading Company is



- **Indian River Hydro:** 15 year term beginning on February 1, 2011 and ending January 31, 2026. RMLD is purchasing all of the products produced by or attributable to the facility. The facility has a nameplate capacity of 1.4 Mws. The products include, but are not limited to, Energy, Installed Capacity, Ancillary Services, Renewable Energy Certificates and Environmental Attributes (to the extent not included in the RECs). The contract price for these products is \$100/Mwh for the first year, escalated 2.25% thereafter. The facility is not currently qualified for FCM. Until the Seller qualifies the facility for FCM the contract price is reduced by \$5.00/Mwh.

Collins Hydro

In August, 2013 the RMLD signed a purchase power agreements with Swift River Hydro LLC for the output of Collins Hydro located in between Ludlow and Wilbraham Massachusetts. The contract with Swift River Hydro is effective from September 1, 2013 through August 31, 2028. The RMLD receives enery only from this contract. The average annual generation is approximately 5,667 megawatt-hours per year.

Pioneer Hydro

In August, 2013 the RMLD signed a purchase power agreements with Ware River Power Inc. for the output of Pioneer Hydro located in Ware, Massachusetts. The contract for Pioneer Hydro is effective from September 1, 2013 through August 31, 2028. The RMLD receives enery only from this contract. The average annual generation is approximately 4,480 megawatt-hours per year.

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READING MUNICIPAL LIGHT DEPARTMENT

2015 BUDGET SUMMARY

PURCHASED POWER EXPENSE		TOTAL
NUCLEAR MIX #1 - MILLSTONE	C	924,765
MILLSTONE - TRANSMISSION	T	17,664
MILLSTONE - ENERGY	E	160,523
NUCLEAR MIX #1 - SEABROOK	C	70,731
SEABROOK - TRANSMISSION	T	180
SEABROOK - ENERGY	E	19,823
PROJECT #3 - DEBT SERVICE	C	1,283,131
PROJECT #3 - TRANSMISSION	T	12,624
PROJECT #3 - ENERGY	E	123,087
PROJECT #4 - DEBT SERVICE	C	3,345,119
PROJECT #4 - TRANSMISSION	T	4,104
PROJECT #4 - ENERGY	E	486,505
PROJECT #5 - DEBT SERVICE	C	436,780
PROJECT #5 - TRANSMISSION	T	504
PROJECT #5 - ENERGY	E	60,037
NYP&A - CAPACITY*	C	206,064
NYP&A - TRANSMISSION*	T	634,410
NYP&A - ENERGY*	E	130,874
REMVEC**	E	9,000
ISO-NE CAPACITY	C	2,265,114
ISO-NE TRANSMISSION***	T	11,810,652
ISO-NE ENERGY	E	6,116,209
NEMA CONGESTION****	E	(711,600)
HYDRO QUEBEC SUPPORT SERVICES	C	277,200
STONYBROOK PEAKING PROJECT - CAPACITY	C	572,830
STONYBROOK PEAKING PROJECT - TRANSM	T	33,592
STONYBROOK PEAKING PROJECT - ENERGY	E	397,230
STONYBROOK INTERMEDIATE PROJECT - CAPACI	C	1,316,835
STONYBROOK INTERMEDIATE PROJECT - TR	T	42,997
STONYBROOK INTERMEDIATE PROJECT - ENER	E	1,747,295
J P MORGAN	E	7,293,496
NEXTERA	E	6,098,655
EXELON	E	4,798,187
BRAINTREE WATSON - CAPACITY	C	1,550,718
BRAINTREE WATSON - ENERGY	E	640,261
COOP / RESALE	E	25,200
MACQUARIE / INTEGRYS	E	5,486,096
SWIFT RIVER HYDRO	E	3,368,775
NEXTERA CAPACITY PURCHASE	C	4,083,000
TOTAL BUDGETED PURCHASED POWER		65,138,667
 <u>PURCHASED POWER BASE EXPENSE:</u>		
TOTAL CAPACITY PURCHASED	C	16,332,287
TOTAL TRANSMISSION PURCHASED	T	12,556,727
TOTAL		28,889,014
 <u>PURCHASED POWER FUEL EXPENSE:</u>		
TOTAL ENERGY PURCHASED	E	36,249,653

* PASNY: POWER AUTHORITY FOR THE STATE OF NEW YORK
 ** REMVEC: RHODE ISLAND, EASTERN MASSACHUSETTS, VERMONT ENERGY CONTROL
 *** ISO-NE: INDEPENDENT SYSTEM OPERATOR - NEW ENGLAND
 **** NEMA: NORTHEAST MASSACHUSETTS

2015 BUDGET SUMMARY

PURCHASE POWER EXPENSE

PROJECT	CAPACITY	% of Total	TRANSMISSION	% of Total	ENERGY	% of Total	TOTAL	% of Total
NUC. MIX #1 MILLSTONE	924,765	5.7%	17,663	0.1%	160,522	0.4%	1,102,949	1.7%
NUC. MIX #1 SEABROOK	70,731	0.4%	180	0.0%	19,823	0.1%	90,734	0.1%
PROJ. #3 MILLSTONE	1,283,131	7.9%	12,628	0.1%	123,086	0.3%	1,418,844	2.2%
PROJ. #4 SEABROOK	3,345,120	20.5%	4,104	0.0%	486,508	1.3%	3,835,732	5.9%
PROJ. #5 SEABROOK	436,779	2.7%	507	0.0%	60,035	0.2%	497,321	0.8%
NYPA	206,061	1.3%	634,410	5.1%	130,877	0.4%	971,348	1.5%
STONYBROOK PEAKING PROJECT	572,829	3.5%	33,592	0.3%	397,230	1.1%	1,003,651	1.5%
STONYBROOK INTERMEDIATE PROJECT	1,316,835	8.1%	42,995	0.3%	1,747,295	4.8%	3,107,124	4.8%
ISO-NE	2,265,118	13.9%	11,810,652	94.1%	6,116,208	16.9%	20,191,978	31.0%
BRAINTREE WATSON	1,550,719	9.5%			640,259	1.8%	2,190,978	3.4%
NEXTERA	4,083,000	25.0%			6,098,657	16.8%	10,181,657	15.6%
HYDRO QUEBEC SUPPORT SERVICES	277,200	1.7%			277,200	0.4%	277,200	0.4%
JP MORGAN					7,293,496	20.1%	7,293,496	11.2%
EXELON					4,798,187	13.2%	4,798,187	7.4%
REMVEC					9,000	0.0%	9,000	0.0%
COOP / RESALE					25,200	0.1%	25,200	0.0%
NEMA CONGESTION					(711,600)	-2.0%	(711,600)	-1.1%
BP ENERGY					5,486,095	15.1%	5,486,095	8.4%
SUMMIT HYDRO					0	0.0%	0	0.0%
SWIFT RIVER HYDRO					3,368,774	9.3%	3,368,774	5.2%
TOTAL	16,332,288	100.0%	12,556,732	100.0%	36,249,650	100.0%	65,138,669	100.0%

NYPA : New York Power Authority
 ISO-NE: Independent System Operator - New England
 REMVEC: Rhode Island, Eastern Massachusetts, Vermont, Energy Control
 NEMA: Northeast Massachusetts

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RMLD
BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE DRAFT 1
3/31/14

DIVISION	2015 BUDGET [A]	% CHANGE [A] & [B]	2014 7 MTHS ACT 5 MTHS BUD [B]	% CHANGE [B] & [C]	FY 13 ACTUAL [C]
BUSINESS DIVISION	10,143,540	3.91%	9,761,564	1.79%	9,589,645
ENERGY SERVICES	1,405,396	32.09%	1,063,954	0.54%	1,058,281
ENGINEERING AND OPERATIONS	4,966,221	5.89%	4,689,811	1.47%	4,622,081
FACILITY	4,623,594	21.29%	3,812,130	2.99%	3,701,470
GENERAL MANAGER	<u>798,728</u>	-4.25%	<u>834,165</u>	1.48%	<u>821,967</u>
SUB-TOTAL	21,937,478	8.81%	20,161,624	1.86%	19,793,444
PURCHASED POWER BASE	28,889,020	-0.95%	29,167,159	17.25%	24,876,985
PURCHASED POWER FUEL	36,249,650	14.60%	31,631,195	-10.86%	35,484,630
TOTAL	<u><u>87,076,148</u></u>	7.55%	<u><u>80,959,978</u></u>	1.00%	<u><u>80,155,059</u></u>

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RMLD
ENERGY SERVICES DIVISION
BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE DRAFT 1
3/31/14

ENERGY SERVICES 75	2015 BUDGET TOTAL		2014 7 MTHS ACT 5 MTHS BUD		FY 13 ACTUAL
01-75-5916-000 ENERGY SERV EXP	48,000	28.58%	37,330	15.97%	32,189
01-75-5916-101 LABOR REG	423,184	24.52%	339,859	-15.46%	401,995
01-75-5916-102 LABOR OT	-	-100.00%	113	-96.84%	3,577
01-75-5916-103 EE EDUCATION	15,600	227.11%	4,769	-49.65%	9,472
01-75-5916-105 SUPPLIES	-	0.00%	-	0.00%	-
01-75-5916-109 KEY ACCOUNT	1,500	-74.62%	5,910	1210.42%	451
01-75-5921-000 OFFICE SUPPLIES	-	0.00%	-	-100.00%	79
01-75-5923-000 OUTSIDE SERVICES	138,300	17.55%	117,653	15.01%	102,295
01-75-5916-XXX CONSERVATION	778,812	39.49%	558,320	9.86%	508,223
GRAND TOTAL	<u>1,405,396</u>	32.09%	<u>1,063,954</u>	0.54%	<u>1,058,281</u>

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RMLD
GENERAL MANAGER DIVISION
BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE DRAFT 1
3/31/14

	2015 BUDGET TOTAL		2014 7 MTHS ACT 5 MTHS BUD		FY 13 ACTUAL
GENERAL MANAGER 51					
01-51-5920-101 LABOR REG	268,865	7.86%	249,283	-5.39%	263,497
01-51-5920-102 LABOR OT	-	-100.00%	234	-83.35%	1,405
01-51-5921-000 OFFICE SUPPLIES	-	-100.00%	153	-84.88%	1,012
01-51-5923-000 OUTSIDE SERVICES	53,000	-69.07%	171,382	53.60%	111,577
01-51-5930-103 EE EDUCATION	9,000	184.63%	3,162	-6.48%	3,381
01-51-5930-105 MISC GENERAL	55,000	3.00%	53,396	-32.58%	79,198
01-51-5930-106 VEHICLE	4,660	-419.86%	(1,457)	-75.80%	(6,021)
SUB-TOTAL	390,525	-17.98%	476,153	4.87%	454,049
HUMAN RESOURCES 52					
01-52-5920-101 LABOR REG	114,411	1.99%	112,183	6.05%	105,783
01-52-5921-000 OFFICE SUPPLIES	-	0.00%	-	0.00%	-
01-52-5923-000 OUTSIDE SERVICES	64,000	17.16%	54,624	-46.28%	101,680
01-52-5930-103 EE EDUCATION	6,580	46.22%	4,500	2594.61%	167
01-52-5930-105 SUPPLIES	900	71.76%	524	17.49%	446
01-52-5930-109 MISC GENERAL	13,540	31.47%	10,299	-14.20%	12,003
SUB-TOTAL	199,431	9.50%	182,130	-17.24%	220,079
COMMUNITY RELATIONS 54					
01-54-5920-101 LABOR REG	94,516	21.86%	77,564	5.51%	73,511
01-54-5920-102 LABOR OT	-	-100.00%	652	100.00%	-
01-54-5921-000 OFFICE SUPPLIES	-	0.00%	-	0.00%	-
01-54-5930-109 MISC GENERAL	82,320	21.02%	68,020	17.27%	58,002
01-54-5930-103 EE EDUCATION	2,400	2.96%	2,331	1764.80%	125
01-54-5930-105 SUPPLIES	6,990	-27.13%	9,592	117.01%	4,420
SUB-TOTAL	186,226	17.75%	158,159	16.24%	136,058
CAB 56					
01-56-5920-101 LABOR REG	5,024	83.70%	2,735	711.57%	337
01-56-5920-102 LABOR OT	1,200	104.08%	588	13.51%	518
01-56-5930-105 SUPPLIES	-	0.00%	-	0.00%	-
01-56-5930-109 MISC GENERAL	8,821	73.13%	5,095	-17.26%	6,158
SUB-TOTAL	15,045	78.73%	8,418	20.03%	7,013
BOARD 58					
01-58-5930-109 MISC GENERAL	7,500	-19.40%	9,305	95.16%	4,768
SUB-TOTAL	7,500	-19.40%	9,305	95.16%	4,768
GRAND TOTAL	798,728	-4.25%	834,165	1.48%	821,967

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RMLD
FACILITY MANAGER DIVISION
BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE DRAFT 1
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GENERAL BENEFITS 53	2015		2014		FY 13
	BUDGET TOTAL		7 MTHS ACT 5 MTHS BUD		ACTUAL
01-53-5920-101 LABOR REG	104,050	-22.17%	133,692	79.16%	74,622
01-53-5920-102 LABOR OT	-	-100.00%	228	100.00%	-
01-53-5921-000 OFFICE SUPPLIES	-	-100.00%	1,015	100.00%	-
01-53-5930-103 EE EDUCATION	21,600	71900.00%	30	-68.42%	95
01-53-5930-105 SUPPLIES	1,000	138.66%	419	100.00%	-
01-53-5923-000 OUTSIDE SERVICES	27,000	170.00%	10,000	54.85%	6,458
01-53-5924-000 PROPERTY INSURANCE	453,200	15.29%	393,089	1.69%	386,560
01-53-5925-000 INJURIES & DAMAGES	49,059	5.07%	46,692	32.53%	35,230
01-53-5926-000 EE PENS & BENEFIT	2,746,619	35.98%	2,019,837	-0.34%	2,026,826
01-53-5930-109 MISC GENERAL	3,300	49.12%	2,213	572.64%	329
01-53-5931-000 RENT	212,000	6.75%	198,601	0.94%	196,756
SUB-TOTAL	3,617,828	28.94%	2,805,816	2.89%	2,726,876
TRANSPORTATION 63					
01-63-5933-109 MISC GENERAL	(236,072)	181.37%	(83,902)	11650.98%	(714)
01-63-5933-101 LABOR REG	65,370	16.42%	56,151	-30.99%	81,372
01-63-5933-102 LABOR OT	8,400	57.98%	5,317	-55.23%	11,877
01-63-5933-103 EE EDUCATION	2,400	380.00%	500	100.00%	-
01-63-5933-105 SUPPLIES	392,920	-978.54%	(44,724)	-88.34%	(383,433)
LESS ALLOCATION RECLASS	(233,018)	-449.57%	66,658	-77.09%	290,898
SUB-TOTAL	-	0.00%	-	0.00%	-
BUILDING MAINTENANCE 64					
01-64-5923-000 OUTSIDE SERVICES	10,350	116.21%	4,787	-95.21%	99,979
01-64-5932-101 LABOR REG	100,951	-19.87%	125,977	-2.74%	129,530
01-64-5932-102 LABOR OT	32,000	11.95%	28,585	16.93%	24,446
01-64-5932-103 EE EDUCATION	2,400	380.00%	500	156.41%	195
01-64-5932-105 SUPPLIES	432,180	-3.25%	446,716	21.29%	368,308
SUB-TOTAL	577,881	-4.73%	606,565	-2.55%	622,458
MATERIALS MANAGEMENT 60					
01-60-5588-109 MISC DIST EXP	70,000	5.53%	66,333	48.90%	44,548
01-60-5588-101 LABOR REG	294,625	5.19%	280,087	0.77%	277,946
01-60-5588-102 LABOR OT	15,000	26.42%	11,865	25.29%	9,470
01-60-5588-103 EE EDUCATION	10,260	553.09%	1,571	516.08%	255
01-60-5588-105 SUPPLIES	13,000	-6.29%	13,873	51.11%	9,181
01-60-5588-104 RFP EXPENSES	-	-100.00%	440	-94.85%	8,538
01-60-5921-000 OFFICE SUPPLIES	25,000	-2.27%	25,580	1063.79%	2,198
SUB-TOTAL	427,885	7.04%	399,749	13.52%	352,136
GRAND TOTAL	4,623,594	21.29%	3,812,130	2.99%	3,701,470

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RMLD
BUSINESS DIVISION
BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE DRAFT 1
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ACCOUNTING 59	2015 BUDGET TOTAL		2014 7 MTHS ACT 5 MTHS BUD		FY 13 ACTUAL
01-59-5903-101 LABOR REG	217,219	9.75%	197,917	5.07%	188,360
01-59-5903-102 LABOR OT	400	100.00%	200	100.00%	-
01-59-5903-103 EE EDUCATION	6,200	100.00%	-	0.00%	-
01-59-5903-105 SUPPLIES	333,000	15.31%	288,790	27.92%	225,760
01-59-5921-000 OFFICE SUPPLIES	276,000	11.53%	247,464	13.21%	218,584
01-59-5923-000 OUTSIDE SERVICES	35,000	-9.09%	38,500	0.47%	38,320
SUB-TOTAL	867,819	12.29%	772,871	15.18%	671,024
CUSTOMER SERVICE 62					
01-62-5903-101 LABOR REG	525,214	7.25%	489,720	4.35%	469,283
01-62-5903-102 LABOR OT	2,000	147.22%	809	-88.70%	7,159
01-62-5903-103 EE EDUCATION	4,800	34.19%	3,577	7.87%	3,316
01-62-5903-104 TEMP LABOR	-	0.00%	-	-100.00%	16,680
01-62-5903-105 SUPPLIES	18,000	-4.53%	18,854	-21.65%	24,064
01-62-5903-106 VEHICLE	4,660	-419.86%	(1,457)	-75.80%	(6,021)
01-62-5903-109 RES ENERGY AUDITS	-	0.00%	-	0.00%	-
01-62-5904-000 UNCOLLECT ACCOUNTS	120,000	-4.76%	126,000	21.28%	103,896
01-62-5921-000 OFFICE SUPPLIES	-	0.00%	-	-100.00%	1,303
SUB-TOTAL	674,674	5.83%	637,503	2.88%	619,680
MIS 61					
01-61-5903-101 LABOR REG	562,439	10.46%	509,184	15.68%	440,175
01-62-5903-102 LABOR OT	800	-65.13%	2,294	-85.51%	15,837
01-61-5903-103 EE EDUCATION	9,600	-32.06%	14,130	330.27%	3,284
01-61-5903-105 SUPPLIES	21,000	106.90%	10,150	-61.05%	26,060
01-61-5935-000 MTN GEN PLANT	170,180	18.55%	143,548	62.27%	88,460
01-61-5921-000 OFFICE SUPPLIES	-	-100.00%	138	-98.88%	12,278
SUB-TOTAL	764,019	12.45%	679,444	15.93%	586,094
MISCELLANEOUS DEDUCTIONS 57/77					
01-77-5403-000 DEPRECIATION EXP	3,892,000	3.02%	3,777,787	6.35%	3,552,329
01-77-5408-000 VOLUNTARY PAYMENTS	1,416,000	1.25%	1,398,522	3.47%	1,351,568
01-77-5419-000 INTEREST EXP	3,000	-28.35%	4,187	186.78%	1,460
01-77-5426-000 OTHER DEDUCTIONS	2,482,863	1.30%	2,451,000	-11.51%	2,769,914
01-57-5920-101 BM LABOR REG	40,764	3.86%	39,250	6.18%	36,967
01-57-5930-109 BM MISC GENERAL	2,400	140.00%	1,000	64.20%	609
SUB-TOTAL	7,837,027	2.15%	7,671,746	-0.53%	7,712,847
GRAND TOTAL	10,143,540	3.91%	9,761,564	1.79%	9,589,645

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RMLD
ENGINEERING AND OPERATIONS DIVISION
BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE DRAFT 1
3/31/14

E&O MGR 55	2015 BUDGET TOTAL		2014 7 MTHS ACT 5 MTHS BUD		FY 13 ACTUAL
01-55-5920-101 LABOR REG	211,840	-1.42%	214,896	14.92%	186,997
01-55-5920-102 LABOR OT	1,500	106.33%	727	-80.21%	3,673
01-55-5921-000 OFFICE SUPPLIES	-	0.00%	-	-100.00%	197
01-55-5930-103 EE EDUCATION	9,600	200.75%	3,192	-64.89%	9,091
01-55-5930-106 VEHICLE	4,660	-320.87%	(2,110)	-64.96%	(6,021)
01-55-5923-000 OUTSIDE SERVICES	10,500	-21.44%	13,365	-34.34%	20,355
01-55-5930-105 MISC GENERAL	500	56.74%	319	-33.26%	478
SUB-TOTAL	238,601	3.56%	230,389	7.27%	214,770
ENGINEERING 6					
01-65-5580-101 LABOR REG	522,008	22.53%	426,014	0.53%	423,763
01-65-5580-102 LABOR OT	25,000	-51.39%	51,432	-30.77%	74,296
01-65-5580-103 EE EDUCATION	24,000	193.15%	8,187	-33.74%	12,356
01-65-5580-105 SUPPLIES	8,000	-7.26%	8,626	26.50%	6,819
01-65-5580-106 VEHICLE	4,660	-734.06%	(735)	-84.78%	(4,828)
01-65-5921-000 OFFICE SUPPLIES	-	-100.00%	81	-92.07%	1,021
01-65-5923-000 OUTSIDE SERVICES	13,500	75.14%	7,708	100.00%	-
SUB-TOTAL	597,168	19.12%	501,313	-2.36%	513,427
LINE 66					
01-66-5568-109 MTN OF TRANS EXP	3,000	5.63%	2,840	4.22%	2,725
01-66-5581-101 LABOR MISC	513,259	-23.25%	668,706	16.13%	575,831
01-65-5581-109 GENERAL EXP	90,000	7.67%	83,587	1.21%	82,589
01-66-5581-103 EE EDUCATION	54,000	92.76%	28,014	-38.75%	45,738
01-66-5585-109 STREET LIGHT EXP	25,000	6.10%	23,563	-48.86%	46,074
01-66-5585-101 LABOR REG ST LIGHT	26,605	-15.77%	31,585	-21.72%	40,347
01-66-5585-102 LABOR OT ST LIGHT	8,000	17.34%	6,818	-34.12%	10,349
01-66-5585-106 VEHICLE ST LIGHT	23,302	20.28%	19,373	-5.27%	20,451
01-66-5593-000 MTN OF LINES	144,821	-36.39%	227,670	4.14%	218,623
01-66-5593-101 LABOR REG MTN LINE	490,586	3.52%	473,920	-5.56%	501,812
01-66-5593-102 LABOR OT MTN LINE	241,866	-19.14%	299,112	-33.72%	451,261
01-66-5593-106 VEHICLE MTN OH LINE	158,452	83.97%	86,131	217.49%	27,129
01-78-5593-110 TREE TRIMMING	757,069	43.00%	529,411	26.47%	418,609
01-66-5594-109 MTN UG LINE	104,755	-62.52%	279,487	100.00%	-
01-66-5594-101 LABOR REG UG LINES	15,559	-37.20%	24,777	308.19%	6,070
01-66-5594-102 LABOR OT UG LINE	5,000	-40.71%	8,433	581.18%	1,238
01-66-5594-106 VEHICLE MTN UG LINE	5,380	-46.47%	10,051	-410.60%	(3,236)
01-66-5596-109 ST LT & SIG EXP	250	142.72%	103	-99.95%	203,132
01-66-5596-101 LABOR REG ST LT/SG	6,915	124.74%	3,077	100.00%	-
01-66-5596-102 LABOR OT ST LT/SG	250	142.72%	103	100.00%	-
01-66-5596-106 VEHICLE ST LT/SG	2,330	216.60%	736	-312.10%	(347)
01-66-5921-000 OFFICE SUPPLIES	-		-	-100.00%	302
SUB-TOTAL	2,676,399	-4.67%	2,807,497	6.00%	2,648,697

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RMLD
ENGINEERING AND OPERATIONS DIVISION
BUDGET / ACTUAL COMPARISON SUMMARY SCHEDULE DRAFT 1
3/31/14

E&O MGR 55	2015 BUDGET TOTAL		2014 7 MTHS ACT 5 MTHS BUD		FY 13 ACTUAL
01-55-5920-101 LABOR REG	211,840	-1.42%	214,896	14.92%	186,997
01-55-5920-102 LABOR OT	1,500	106.33%	727	-80.21%	3,673
01-55-5921-000 OFFICE SUPPLIES	-	0.00%	-	-100.00%	197
01-55-5930-103 EE EDUCATION	9,600	200.75%	3,192	-64.89%	9,091
01-55-5930-106 VEHICLE	4,660	-320.87%	(2,110)	-64.96%	(6,021)
01-55-5923-000 OUTSIDE SERVICES	10,500	-21.44%	13,365	-34.34%	20,355
01-55-5930-105 MISC GENERAL	500	56.74%	319	-33.26%	478
SUB-TOTAL	<u>238,601</u>	3.56%	<u>230,389</u>	7.27%	<u>214,770</u>
ENGINEERING 65					
01-65-5580-101 LABOR REG	522,008	22.53%	426,014	0.53%	423,763
01-65-5580-102 LABOR OT	25,000	-51.39%	51,432	-30.77%	74,296
01-65-5580-103 EE EDUCATION	24,000	193.15%	8,187	-33.74%	12,356
01-65-5580-105 SUPPLIES	8,000	-7.26%	8,626	26.50%	6,819
01-65-5580-106 VEHICLE	4,660	-734.06%	(735)	-84.78%	(4,828)
01-65-5921-000 OFFICE SUPPLIES	-	-100.00%	81	-92.07%	1,021
01-65-5923-000 OUTSIDE SERVICES	13,500	75.14%	7,708	100.00%	-
SUB-TOTAL	<u>597,168</u>	19.12%	<u>501,313</u>	-2.36%	<u>513,427</u>
E 66					
01-66-5568-109 MTN OF TRANS EXP	3,000	5.63%	2,840	4.22%	2,725
01-66-5581-101 LABOR MISC	513,259	-23.25%	668,706	16.13%	575,831
01-65-5581-109 GENERAL EXP	90,000	7.67%	83,587	1.21%	82,589
01-66-5581-103 EE EDUCATION	54,000	92.76%	28,014	-38.75%	45,738
01-66-5585-109 STREET LIGHT EXP	25,000	6.10%	23,563	-48.86%	46,074
01-66-5585-101 LABOR REG ST LIGHT	26,605	-15.77%	31,585	-21.72%	40,347
01-66-5585-102 LABOR OT ST LIGHT	8,000	17.34%	6,818	-34.12%	10,349
01-66-5585-106 VEHICLE ST LIGHT	23,302	20.28%	19,373	-5.27%	20,451
01-66-5593-000 MTN OF LINES	144,821	-36.39%	227,670	4.14%	218,623
01-66-5593-101 LABOR REG MTN LINE	490,586	3.52%	473,920	-5.56%	501,812
01-66-5593-102 LABOR OT MTN LINE	241,866	-19.14%	299,112	-33.72%	451,261
01-66-5593-106 VEHICLE MTN OH LINE	158,452	83.97%	86,131	217.49%	27,129
01-78-5593-110 TREE TRIMMING	757,069	43.00%	529,411	26.47%	418,609
01-66-5594-109 MTN UG LINE	104,755	-62.52%	279,487	100.00%	-
01-66-5594-101 LABOR REG UG LINES	15,559	-37.20%	24,777	308.19%	6,070
01-66-5594-102 LABOR OT UG LINE	5,000	-40.71%	8,433	581.18%	1,238
01-66-5594-106 VEHICLE MTN UG LINE	5,380	-46.47%	10,051	-410.60%	(3,236)
01-66-5596-109 ST LT & SIG EXP	250	142.72%	103	-99.95%	203,132
01-66-5596-101 LABOR REG ST LT/SG	6,915	124.74%	3,077	100.00%	-
01-66-5596-102 LABOR OT ST LT/SG	250	142.72%	103	100.00%	-
01-66-5596-106 VEHICLE ST LT/SG	2,330	216.60%	736	-312.10%	(347)
01-66-5921-000 OFFICE SUPPLIES	-		-	-100.00%	302
SUB-TOTAL	<u>2,676,399</u>	-4.67%	<u>2,807,497</u>	6.00%	<u>2,648,697</u>



READING MUNICIPAL LIGHT DEPARTMENT
2015 BUDGET SUMMARY

DRAFT 1 3/31/14

	JUL 14	AUG 14	SEP 14	OCT 14	NOV 14	DEC 14	JAN 15	FEB 15	MAR 15	APR 15	MAY 15	JUN 15	TOTAL
OPERATING REVENUE:													
SALES OF ELEC - BASE	4,825,608	4,976,719	4,907,009	3,896,893	3,959,753	3,814,761	4,142,424	4,210,765	3,944,532	3,917,010	3,630,594	4,223,460	50,449,523
SALES OF ELEC - FUEL	3,492,677	3,601,140	3,658,484	2,868,042	2,940,266	2,757,807	2,950,028	3,073,136	2,896,391	2,864,163	2,684,990	3,142,523	36,949,646
ENERGY CONSERVATION	65,643	57,716	68,811	53,704	55,064	61,597	56,270	67,624	54,245	54,011	50,206	58,950	692,860
PURCHASE POWER ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
GAW REVENUE	0	0	0	0	0	0	0	0	0	0	0	0	0
NYPA CREDIT	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,333)	(58,337)	(700,000)
TOTAL OPERATING REVENUE	8,325,595	8,587,242	8,575,991	6,760,308	6,896,760	6,565,832	7,089,369	7,283,191	6,836,535	6,798,851	6,307,466	7,366,596	87,392,029
OPERATING EXPENSES:													
PURCHASED POWER - BASE	2,719,894	2,524,710	2,575,996	2,093,095	2,220,899	2,353,924	2,301,093	2,316,142	2,273,261	2,107,941	2,499,899	2,800,160	28,889,014
OPERATION EXPENSE	1,025,126	861,838	974,394	871,102	823,964	948,614	907,009	843,029	939,604	856,977	831,629	913,079	10,786,366
MAINTENANCE EXPENSE	295,816	258,674	279,051	298,266	250,534	305,278	308,511	260,825	274,332	287,457	249,525	278,963	3,357,261
DEPRECIATION EXPENSE	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,337	3,892,000
TOWN PAYMENTS	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	1,416,000
SUB-TOTAL	4,483,168	4,077,554	4,371,764	3,704,796	3,737,730	4,050,150	3,958,946	3,864,329	3,929,530	3,704,708	4,023,386	4,434,569	46,340,629
PURCHASED POWER - FUEL	3,662,273	3,036,671	2,355,661	2,338,577	2,516,034	3,349,862	4,991,893	4,064,678	2,880,208	2,209,022	2,180,953	2,661,721	36,249,653
TOTAL OPERATING EXPENSES	8,145,441	7,114,225	6,727,425	6,043,373	6,253,764	7,400,012	8,950,839	7,929,007	6,809,738	5,913,730	6,204,339	7,096,290	84,590,282
NET OPERATING INCOME	180,154	1,471,017	1,848,566	716,933	642,996	(834,180)	(1,861,470)	(645,816)	27,087	885,121	103,117	270,306	2,801,747
OTHER INCOME:													
INDSE AND JOBBING	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	23,000	276,000
INTEREST INCOME	8,333	8,333	8,333	8,333	8,333	8,333	8,333	8,333	8,333	8,333	8,333	8,337	100,000
FORFEITED DISCOUNTS	108,163	109,488	107,954	86,732	87,115	83,925	91,133	92,637	86,780	86,174	79,873	92,916	1,109,890
MISCELLANEOUS REVENUE	50,000	0	0	50,000	0	0	50,000	0	0	50,000	0	50,000	750,000
TOTAL OTHER INCOME	187,498	140,821	139,287	167,065	118,448	115,250	172,466	123,970	118,113	167,507	111,206	674,253	2,235,890
MISCELLANEOUS INCOME DEDUCTIONS:													
CUSTOMER DEPOSIT INTEREST EXP	250	250	250	250	250	250	250	250	250	250	250	250	3,000
OTHER DEDUCTIONS (ROI)	194,405	194,405	194,405	194,405	194,405	194,405	194,405	194,405	194,405	194,405	194,405	344,405	2,482,863
TOTAL MISCELLANEOUS DEDUCTIONS	194,655	194,655	194,655	194,655	194,655	194,655	194,655	194,655	194,655	194,655	194,655	344,655	2,485,863
NET INCOME	172,995	1,417,182	1,793,188	689,343	566,789	(913,577)	(1,853,739)	(716,501)	(49,446)	856,973	19,668	599,904	2,551,773

READING MUNICIPAL LIGHT DEPARTMENT
2015 BUDGET SUMMARY

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PROJECTED REVENUE	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
RESIDENTIAL REVENUE:													
RESIDENTIAL A-RATE	2,230,914	2,271,600	2,104,721	1,470,042	1,544,284	1,699,960	1,920,576	1,794,631	1,591,887	1,698,472	1,319,739	1,679,629	21,116,343
RESIDENTIAL WATER HEATER A-RATE	40,244	41,663	39,262	28,529	34,657	37,799	46,898	46,066	41,078	40,181	30,458	33,999	460,494
RESIDENTIAL TIME OF USE	27,941	29,467	27,671	19,094	20,165	21,906	26,666	26,466	20,198	16,776	16,816	20,795	274,639
SUB TOTAL	2,299,099	2,342,620	2,171,654	1,618,665	1,599,896	1,659,654	2,003,129	1,866,163	1,643,163	1,647,399	1,366,013	1,734,422	21,860,676
COMMERCIAL REVENUE:													
COMMERCIAL C RATE	1,367,292	1,399,623	1,461,782	1,286,806	1,266,688	1,159,872	1,188,016	1,255,966	1,269,302	1,205,690	1,195,808	1,313,690	15,309,214
SCHOOL RATE	74,905	84,496	81,188	86,699	91,966	86,327	82,416	96,724	86,731	87,627	80,547	87,947	1,008,473
INDUSTRIAL REVENUE:													
INDUSTRIAL TIME OF USE	1,037,377	1,113,811	1,136,414	980,249	966,210	866,641	851,750	942,681	891,093	932,084	946,547	1,036,200	11,668,867
SUB TOTAL	2,469,574	2,677,930	2,678,384	2,332,654	2,313,744	2,112,740	2,092,181	2,296,271	2,249,126	2,226,301	2,221,902	2,437,737	28,006,544
STREET LIGHT REVENUE:													
PUBLIC	18,449	18,449	18,461	18,473	18,486	18,490	18,493	18,493	18,405	18,407	18,449	18,449	221,493
PRIVATE	5,726	5,679	5,697	5,721	5,751	5,000	5,902	5,903	5,665	5,657	5,677	5,656	68,823
SUB TOTAL	24,175	24,128	24,148	24,194	24,236	24,290	24,395	24,396	24,060	24,064	24,126	24,104	290,316
COOP - RESALE REVENUE	32,760	32,141	32,923	21,380	22,877	19,077	22,720	24,935	29,183	20,246	18,563	27,197	301,992
TOTAL BASE REVENUE	4,826,608	4,976,719	4,907,009	3,898,893	3,969,763	3,814,761	4,142,424	4,210,765	3,944,632	3,917,010	3,630,694	4,223,460	50,449,528
FUEL REVENUE	3,482,677	3,601,140	3,668,494	2,868,042	2,940,266	2,767,807	2,950,028	3,073,136	2,896,391	2,884,163	2,684,990	3,142,623	36,949,646
LESS PASNY CREDIT	(68,333)	(66,333)	(66,333)	(66,333)	(66,333)	(66,333)	(66,333)	(66,333)	(66,333)	(66,333)	(66,333)	(66,337)	(700,000)
TOTAL NET FUEL REVENUE	3,434,344	3,542,807	3,600,161	2,809,709	2,881,923	2,699,474	2,891,695	3,014,802	2,830,058	2,825,830	2,628,657	3,084,186	36,249,646
PURCHASED POWER ADJUSTMENT (PPA)	109,253	91,178	109,388	74,732	84,390	83,666	89,642	93,618	77,819	78,674	79,248	79,076	1,050,884
ENERGY CONSERVATION - RESIDENTIAL	27,067	27,673	26,540	17,761	18,713	19,445	23,543	21,894	19,228	19,294	16,929	20,601	260,688
ENERGY CONSERVATION - COMMERCIAL	38,686	40,143	43,271	36,953	36,371	32,162	31,727	36,730	35,017	34,717	34,276	36,349	436,282
TOTAL ENERGY CONSERVATION	65,843	67,716	69,811	53,704	55,084	51,607	55,270	57,624	54,245	54,011	50,205	56,950	692,960
GAW REVENUE	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL REVENUES	8,434,648	8,678,420	8,665,369	6,836,038	6,981,160	6,649,498	7,179,031	7,376,809	6,914,664	6,876,725	6,386,704	7,445,672	88,442,918
FUEL CHARGE													

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	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
PROJECTED MISCELLANEOUS REVENUE	0	0	0	0	0	0	0	0	0	0	0	600,000	500,000
MMWEC FLUSH OF FUNDS	50,000	0	0	50,000	0	50,000	0	0	0	50,000	0	0	200,000
CONTRIBUTIONS IN AID OF CONSTRUCTION	0	0	0	0	0	0	0	0	0	0	0	50,000	50,000
SURPLUS APPLIED TO DEPRECIATION	50,000	0	0	50,000	0	0	50,000	0	0	50,000	0	550,000	750,000
TOTAL MISCELLANEOUS REVENUE	50,000	0	0	50,000	0	0	50,000	0	0	50,000	0	550,000	750,000

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	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
PURCHASED POWER EXPENSE													
NUCLEAR MIX #1 - MILLSTONE	101,990	102,470	102,279	21,259	102,980	101,105	65,726	65,834	64,161	65,606	65,687	65,648	924,765
MILLSTONE - ENERGY	1,472	1,472	1,472	1,472	1,472	1,472	1,472	1,472	1,472	1,472	1,472	1,472	17,564
MILLSTONE - TRANSMISSION	14,739	14,739	14,263	0	14,263	14,739	15,034	13,579	15,014	14,549	15,034	14,549	160,523
NUCLEAR MIX #1 - SEABROOK	9,039	8,484	8,640	(8,520)	7,486	9,394	5,863	5,719	7,481	5,926	6,009	6,200	70,731
SEABROOK - TRANSMISSION	15	15	15	15	15	15	15	15	15	15	15	15	180
SEABROOK - ENERGY	1,667	1,667	1,667	1,667	1,616	1,667	1,700	1,536	1,698	1,646	1,700	1,646	19,823
PROJECT #3 - DEBT SERVICE	109,473	109,470	109,467	66,949	109,471	109,519	111,463	111,467	111,462	111,490	111,453	111,447	1,283,131
PROJECT #3 - TRANSMISSION	1,052	1,052	1,062	1,052	1,052	1,052	1,052	1,052	1,052	1,052	1,052	1,052	12,624
PROJECT #3 - ENERGY	11,302	11,302	10,937	0	10,952	11,302	11,528	10,412	11,512	11,156	11,528	11,156	123,087
PROJECT #4 - DEBT SERVICE	283,383	283,365	283,320	283,293	283,292	283,238	274,252	274,211	274,181	274,311	274,150	274,133	3,345,119
PROJECT #4 - TRANSMISSION	342	342	342	342	342	342	342	342	342	342	342	342	4,104
PROJECT #4 - ENERGY	40,914	40,914	39,594	40,914	39,649	40,914	41,732	37,694	41,676	40,366	41,732	40,366	486,505
PROJECT #5 - DEBT SERVICE	36,766	36,763	36,758	36,756	36,755	36,751	36,041	36,037	36,035	36,033	36,032	36,032	436,780
PROJECT #5 - TRANSMISSION	42	42	42	42	42	42	42	42	42	42	42	42	504
PROJECT #5 - ENERGY	5,049	5,049	4,886	5,049	4,893	5,049	5,150	4,651	5,143	4,984	5,150	4,984	60,037
NYP&A - CAPACITY*	17,172	17,172	17,172	17,172	17,172	17,172	17,172	17,172	17,172	17,172	17,172	17,172	206,064
NYP&A - TRANSMISSION*	17,509	30,288	14,682	7,570	13,668	47,287	137,609	173,522	118,902	33,427	19,556	20,163	634,410
NYP&A - ENERGY*	11,006	11,006	10,651	11,006	10,666	11,006	11,227	10,140	11,211	10,864	11,227	10,864	130,874
REINVEC**	188,230	188,230	188,230	188,230	188,230	188,230	188,230	188,230	188,230	188,230	188,230	188,230	2,265,114
ISO-NE CAPACITY	1,306,804	1,093,816	1,223,602	778,422	801,146	907,977	856,228	818,427	786,976	716,836	1,125,587	1,393,572	11,810,552
ISO-NE ENERGY	969,364	392,085	426,772	322,712	616,764	978,313	137,301	569,959	669,891	223,445	248,882	581,681	6,116,209
ISO-NE TRANSMISSION**	(59,300)	(59,300)	(59,300)	(59,300)	(59,300)	(59,300)	(59,300)	(59,300)	(59,300)	(59,300)	(59,300)	(59,300)	(711,600)
NEMA CONGESTION***	23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	23,100	277,200
HYDRO QUEBEC SUPPORT SERVICES	48,647	48,794	38,422	48,086	48,778	47,536	48,839	48,402	48,109	48,905	49,342	47,970	572,830
STONYBROOK PEAKING PROJECT - CAPACITY	1,594	1,510	11,975	2,189	1,590	2,835	1,527	1,449	1,984	48,905	1,441	2,648	33,592
STONYBROOK PEAKING PROJECT - TRANSMISSION	5,075	5,075	4,887	5,062	4,961	5,261	343,096	4,000	5,201	4,564	4,687	4,562	397,230
STONYBROOK PEAKING PROJECT - ENERGY	100,518	105,803	131,721	157,978	117,162	104,535	57,060	79,309	121,446	113,282	111,233	116,789	1,316,835
STONYBROOK INTERMEDIATE PROJECT - CAPAC C	1,706	1,473	16,793	3,083	1,533	3,658	1,684	1,429	1,445	2,689	1,408	3,726	42,997
STONYBROOK INTERMEDIATE PROJECT - TR	49,114	49,114	47,291	48,991	48,010	50,913	1,037,584	232,265	50,329	44,168	46,360	44,147	1,427,285
STONYBROOK INTERMEDIATE PROJECT - ENER	639,389	626,882	427,289	452,218	428,823	464,460	1,328,029	1,244,121	569,395	336,841	316,288	466,769	7,293,498
J P MORGAN	885,188	684,001	474,323	336,067	371,277	617,166	702,923	577,962	413,344	387,113	361,583	486,880	6,098,655
EXELON	507,461	492,881	348,281	490,527	344,665	400,658	518,012	441,366	274,851	284,841	338,648	355,995	4,798,187
BRAINTREE WATSON - CAPACITY	132,040	132,040	127,812	126,605	126,605	129,624	132,176	130,911	127,748	127,756	129,653	129,653	1,550,718
BRAINTREE WATSON - ENERGY	27,357	27,357	26,341	27,288	28,741	26,358	115,587	250,742	29,033	24,602	25,265	24,590	648,261
COOP / RESALE	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	25,200
MACQUARIE / INTEGRYS	606,489	589,311	473,239	485,210	391,753	442,144	460,299	417,657	376,200	381,802	406,354	448,638	5,486,096
SWIFT RIVER HYDRO	155,611	133,738	101,733	167,616	258,440	334,362	316,232	296,164	473,161	492,511	403,953	233,324	3,368,775
NEXTERA CAPACITY PURCHASE	339,000	339,000	339,000	339,000	339,000	339,000	339,000	339,000	339,000	339,000	339,000	339,000	4,083,000
TOTAL BUDGETED PURCHASED POWER	6,382,167	5,563,381	5,031,657	4,431,672	4,735,933	5,703,796	7,293,086	6,382,820	5,153,469	4,316,963	4,680,652	5,461,881	65,138,667
PURCHASED POWER BASE EXPENSE:													
TOTAL CAPACITY PURCHASED	1,389,358	1,394,701	1,406,921	1,298,908	1,400,021	1,369,204	1,298,922	1,320,392	1,368,124	1,360,823	1,348,985	1,376,928	16,332,287
TOTAL TRANSMISSION PURCHASED	1,330,536	1,130,009	1,270,075	794,187	820,878	954,720	1,002,171	987,750	915,137	757,118	1,150,914	1,423,232	12,666,727
TOTAL ENERGY PURCHASED	2,719,894	2,524,710	2,675,996	2,093,095	2,220,899	2,363,924	2,301,093	2,316,142	2,273,261	2,107,941	2,499,899	2,800,160	29,809,014
PURCHASED POWER FUEL EXPENSE:													
TOTAL ENERGY PURCHASED	3,662,273	3,038,671	2,365,661	2,338,577	2,516,034	3,349,662	4,991,993	4,064,678	2,880,208	2,209,022	2,180,953	2,661,721	36,249,653
TOTAL ENERGY PURCHASED	0	0	0	0	0	0	0	0	0	0	0	0	0

* PASNY: POWER AUTHORITY FOR THE STATE OF NEW YORK
 ** REINVEC: RHODE ISLAND, EASTERN MASSACHUSETTS, VERMONT ENERGY CONTROL
 *** ISO-NE: INDEPENDENT SYSTEM OPERATOR - NEW ENGLAND
 **** NEMA: NO*

READING MUNICIPAL LIGHT DEPARTMENT

2015 BUDGET SUMMARY

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	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
OPERATING EXPENSES:													
565 PURCHASED POWER	6,382,167	5,563,381	5,031,667	4,431,672	4,736,933	5,703,786	7,293,088	6,382,820	5,153,469	4,316,963	4,890,852	5,461,881	65,138,667
TOTAL PURCHASED POWER	6,382,167	5,563,381	5,031,667	4,431,672	4,736,933	5,703,786	7,293,088	6,382,820	5,153,469	4,316,963	4,890,852	5,461,881	65,138,667
568 MAINT OF TRANS PLANT	250	250	250	250	250	250	250	250	250	250	250	250	3,000
TOTAL TRANSMISSION EXP	250	250	250	250	250	250	250	250	250	250	250	250	3,000
580 OPER SUPER & ENGIN	48,017	42,145	53,629	48,017	42,005	67,886	48,781	42,769	54,483	48,781	42,769	54,484	583,669
581 OPERATION LABOR INSC	6,862	6,862	9,162	6,862	6,862	9,162	7,092	7,092	9,450	7,092	7,092	9,441	93,027
582 OPERATION SUPPLIES & EXP	49,169	49,169	68,423	49,169	49,169	72,893	53,762	49,169	68,423	49,169	49,169	49,583	657,259
585 STREET LIGHTING EXP	31,869	30,433	36,338	31,869	30,363	36,719	36,241	30,881	36,960	32,367	30,881	35,966	398,849
586 METER EXP	6,477	7,117	7,503	6,477	6,417	7,789	6,719	8,430	7,518	6,430	6,430	7,541	82,907
588 INJURIES & DAMAGES	18,072	17,431	20,323	18,072	17,011	22,335	23,786	20,319	24,467	21,390	20,319	24,434	247,938
590 MAINT OF STRUCTURE & EQUIP	31,285	30,385	35,931	31,285	30,385	37,831	31,839	37,599	36,624	31,839	30,939	38,944	402,885
594 MAINT OF LINES OH	39,414	37,478	43,391	39,414	37,408	44,536	39,712	37,706	43,784	39,712	37,706	43,785	484,026
596 MAINT OF LINES TRANSFORMERS	143,801	145,653	169,031	143,801	140,893	163,281	147,146	141,183	159,393	144,091	141,183	163,359	1,792,794
597 MAINT OF ST LT & SIG SYS	10,770	10,898	11,071	10,770	10,758	11,151	10,841	10,760	11,074	10,772	10,760	11,070	130,694
598 MAINT OF LINE TRANSFORMERS	39,000	0	0	39,000	0	0	39,000	0	0	39,000	0	0	156,000
599 MAINT OF LINES UG	757	821	892	757	751	928	789	753	893	759	753	892	9,745
600 MAINT OF ST LT & SIG SYS	5,007	4,907	5,693	4,907	4,907	5,705	2,006	2,006	2,067	2,006	2,006	2,073	43,290
601 MAINT OF METERS	383,300	450,266	430,401	376,930	470,185	447,704	386,647	454,106	433,458	379,987	439,570	5,083,064	5,083,064
TOTAL DISTRIBUTION EXP	430,581	450,266	430,401	376,930	470,185	447,704	386,647	454,106	433,458	379,987	439,570	5,083,064	5,083,064
902 METER READING LABOR & EXP	2,553	2,496	2,787	2,553	2,285	2,778	2,680	2,332	2,816	2,608	2,332	2,823	30,922
903 ACCT & COLL LABOR & EXP	138,940	134,168	160,502	131,751	127,839	158,419	147,541	129,333	159,634	133,245	129,333	154,628	1,706,333
904 UNCOLLECTABLE ACCTS	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	120,000
TOTAL CUST ACCT EXP	151,492	146,662	173,289	144,304	140,124	171,195	160,141	141,665	172,450	146,845	141,665	167,451	1,866,258
916 ENERGY AUDIT EXP	104,009	99,609	110,876	104,009	99,609	112,114	107,098	100,478	111,964	104,879	100,478	111,972	1,267,098
920 ADMIN & GENERAL SALARIES	84,466	84,091	80,089	84,466	84,091	83,239	84,091	84,774	80,942	84,774	84,774	80,942	842,170
921 OFFICE SUPPLIES EXP	25,100	25,100	25,100	25,100	25,100	25,100	25,100	25,100	25,100	25,100	25,100	25,100	301,000
923 OUTSIDE SERVICE EMPLOYED	26,386	43,885	43,885	26,386	26,385	26,385	26,385	26,385	26,385	26,385	26,385	26,415	351,650
924 PROPERTY INSURANCE	37,784	37,784	37,784	37,784	37,784	37,784	37,784	37,784	37,784	37,784	37,784	37,784	453,200
925 INJURIES & DAMAGES	4,638	4,038	4,038	4,038	4,038	4,038	4,038	4,038	4,038	4,038	4,038	4,041	49,059
926 EMPLOYEES PENSIONS & BENS	367,408	215,758	215,758	215,908	215,758	215,758	221,250	215,758	215,758	215,958	215,758	215,781	2,745,619
930 INSC GENERAL EXP	34,425	13,701	35,720	39,690	11,196	10,720	34,179	15,140	10,601	17,054	10,400	7,947	240,772
931 RENT EXPENSE	17,667	17,667	17,667	17,667	17,667	17,667	17,667	17,667	17,667	17,667	17,667	17,663	212,000
932 1 MAINT OF GARAGE & STCKRM	43,048	44,446	44,446	45,148	41,348	44,446	44,446	44,446	44,446	46,848	42,648	43,343	567,531
935 MTN OF GEN PLANT	13,769	14,219	14,219	14,219	14,219	14,219	14,219	14,219	14,219	14,219	14,219	14,221	170,180
TOTAL ADMIN & GEN EXP	738,698	600,299	628,640	594,413	567,194	612,253	607,425	575,292	587,129	574,861	559,252	584,801	7,201,277
GRAND TOTAL	7,703,108	6,673,892	6,295,092	5,601,040	5,811,431	6,967,679	8,608,606	7,486,674	6,367,405	5,471,397	5,762,006	6,663,963	79,282,282
LESS: PURCHASED POWER	(6,382,167)	(5,563,381)	(5,031,667)	(4,431,672)	(4,736,933)	(5,703,786)	(7,293,088)	(6,382,820)	(5,153,469)	(4,316,963)	(4,890,852)	(5,461,881)	(65,138,667)
MAINTENANCE EXPENSES	(295,816)	(250,674)	(279,061)	(298,266)	(258,534)	(305,278)	(308,511)	(260,925)	(274,332)	(287,457)	(249,626)	(278,993)	(3,367,261)
TOTAL OPERATION EXPENSE	1,025,128	851,838	974,364	871,102	823,964	948,614	907,009	843,029	839,604	858,977	831,629	913,079	10,786,356

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OTHER EXPENSES:

MAINTENANCE EXPENSE:

	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
568 MTN OF TRANS. PLANT	250	250	250	250	250	250	250	250	250	250	250	250	3,000
590 MTN OF STRUCTURES	39,414	37,478	43,391	39,414	37,498	44,535	39,712	37,706	43,764	39,712	37,706	43,765	484,026
593 MTN OF LINES - OH	143,801	145,653	159,031	143,801	140,893	163,261	147,146	141,183	159,393	144,091	141,183	163,359	1,792,794
594 MTN OF LINES - UG	10,770	10,898	11,071	10,770	10,758	11,151	10,841	10,760	11,074	10,772	10,760	11,070	130,694
595 MTN OF LINE TRANS.	39,000	0	0	39,000	0	0	39,000	0	0	39,000	0	0	156,000
598 MTN OF ST. LIGHTS	757	821	892	757	751	928	789	753	893	769	753	892	9,746
597 MAINT OF METERS	5,007	4,907	5,693	4,907	4,907	5,705	2,006	2,006	2,067	2,006	2,006	2,073	43,290
932.1 MTN OF GEN PLANT	43,048	44,448	44,586	45,148	41,348	65,230	54,648	53,948	42,671	46,648	42,648	43,343	687,531
936 MTN OF GEN PLANT	13,769	14,219	14,219	14,219	14,219	14,219	14,219	14,219	14,219	14,219	14,219	14,221	170,180
TOTAL MAINTENANCE EXPENSES	295,816	259,674	279,051	288,266	250,534	305,278	308,511	260,825	274,332	297,467	249,525	278,993	3,357,261

TOTAL MAINTENANCE EXPENSES

DEPRECIATION EXPENSE:

	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
403 DEPRECIATION EXPENSE	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,333	324,337	3,892,000

OTHER TAXES:

408 OTHER TAXES (2% TOWN PAYMNTS)

408 OTHER TAXES (2% TOWN PAYMNTS)	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	118,000	1,416,000
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INTEREST ON CUSTOMER DEPOSITS:

419-2 INTEREST EXP ON CUST DEP

419-2 INTEREST EXP ON CUST DEP	250	250	250	250	250	250	250	259	250	250	250	250	3,000
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