

**READING MUNICIPAL
LIGHT DEPARTMENT**

BOARD OF COMMISSIONERS

REGULAR SESSION

THURSDAY, OCTOBER 17, 2019

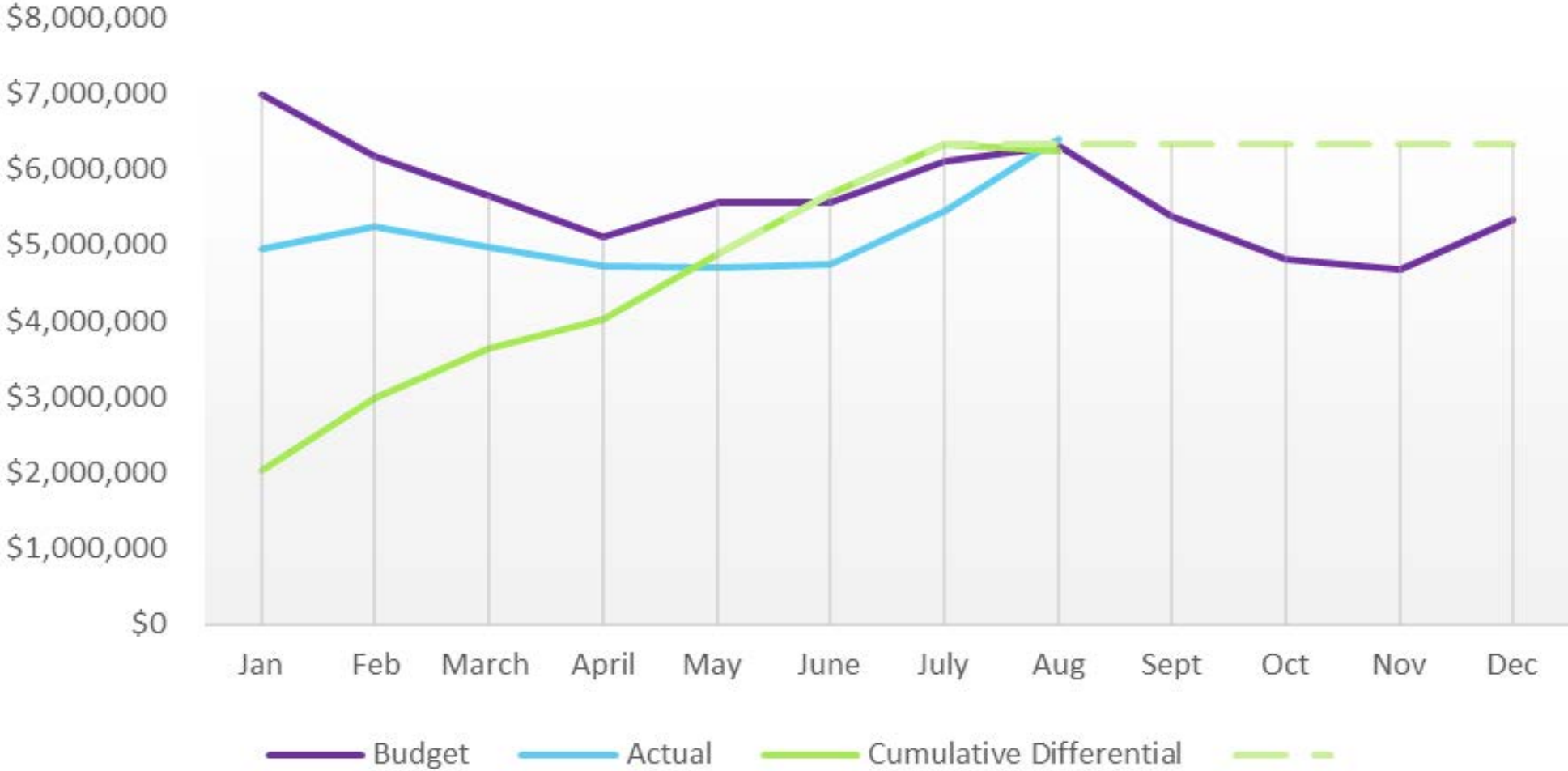
POWER SUPPLY REPORT
AUGUST 2019
ATTACHMENT 1

Board of
Commissioners
Meeting
October 17,
2019

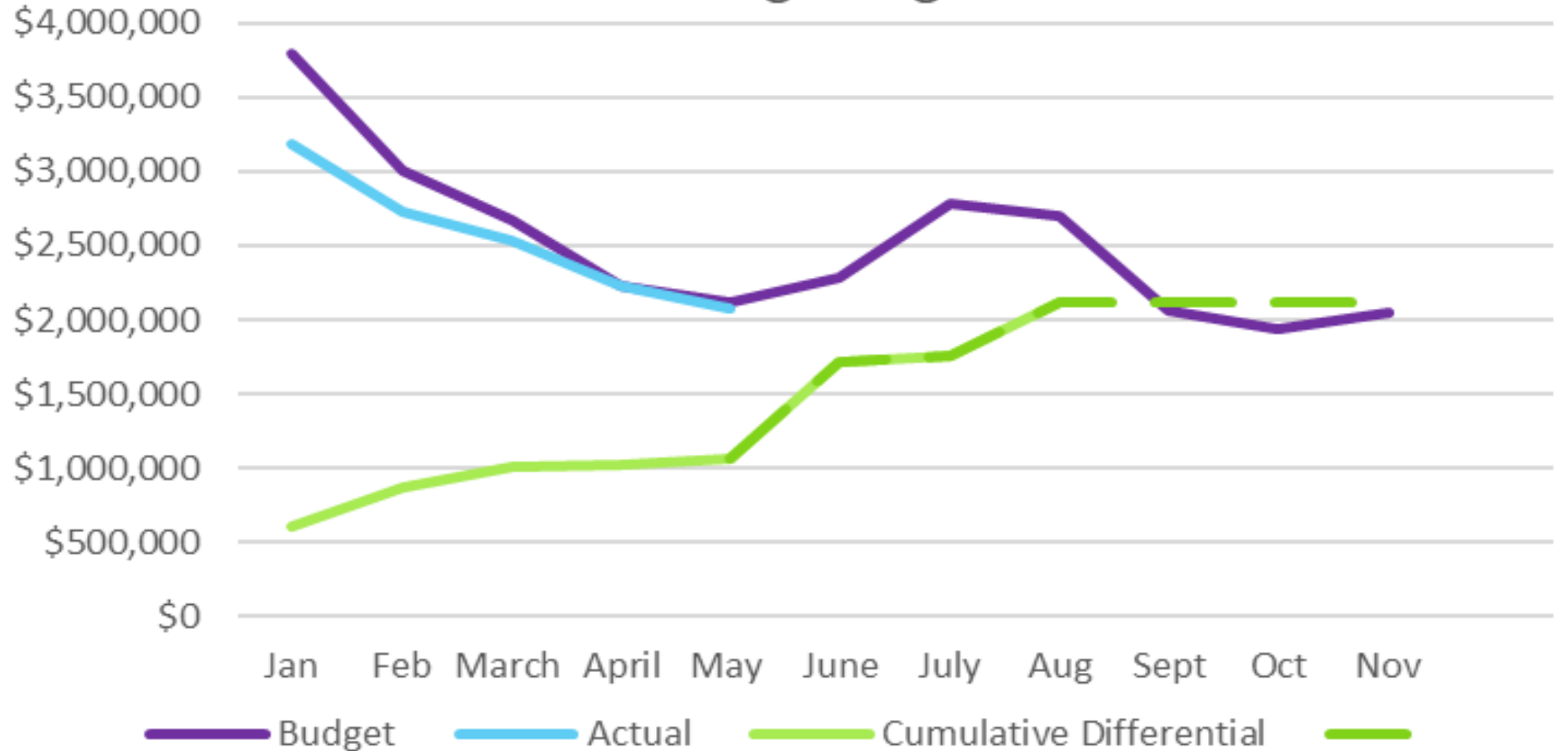
*Charles Underhill,
Director of Integrated
Resources*

*Reporting for August
2019.*

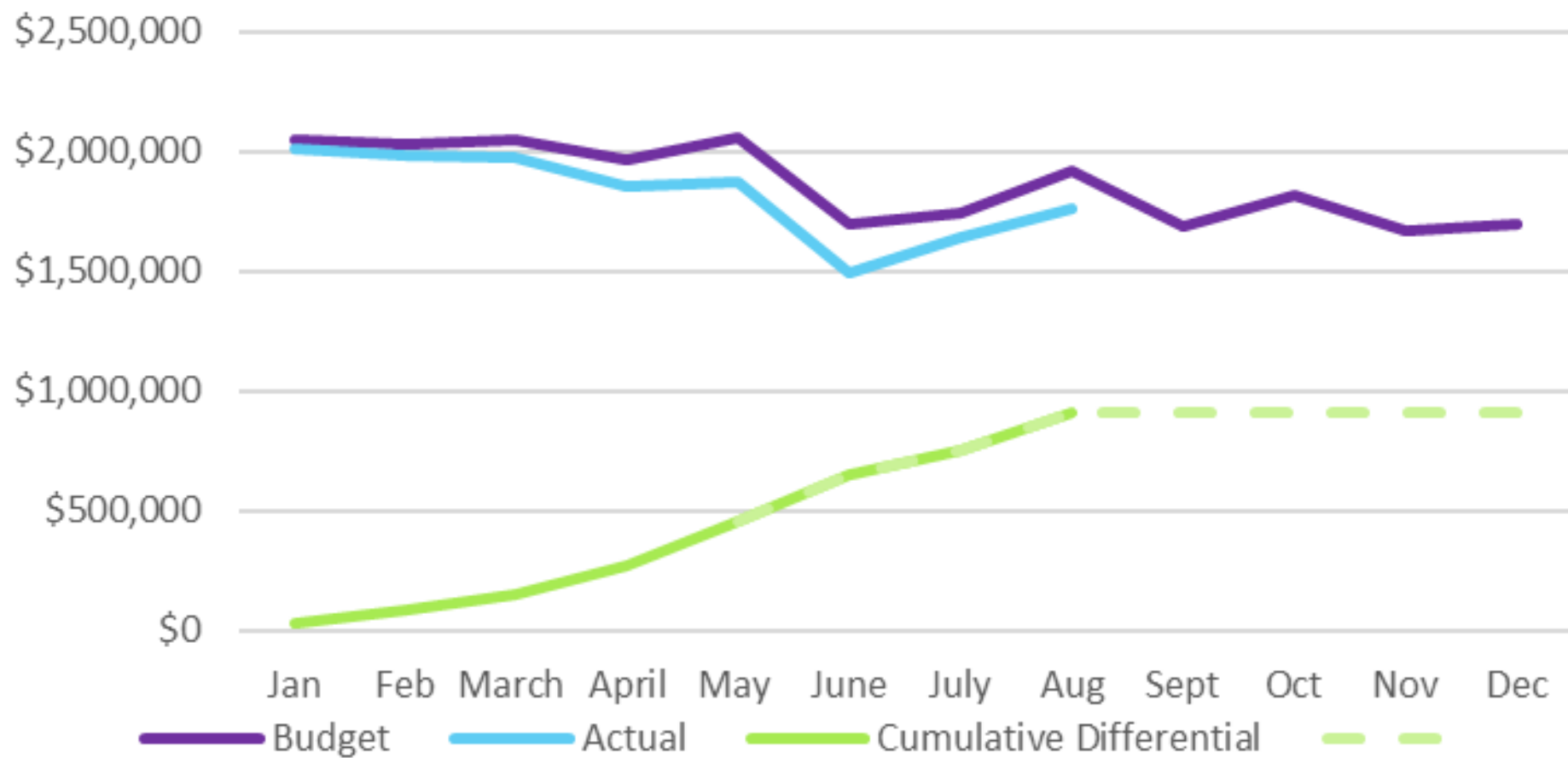
Total Purchase Power Expenses through August 2019



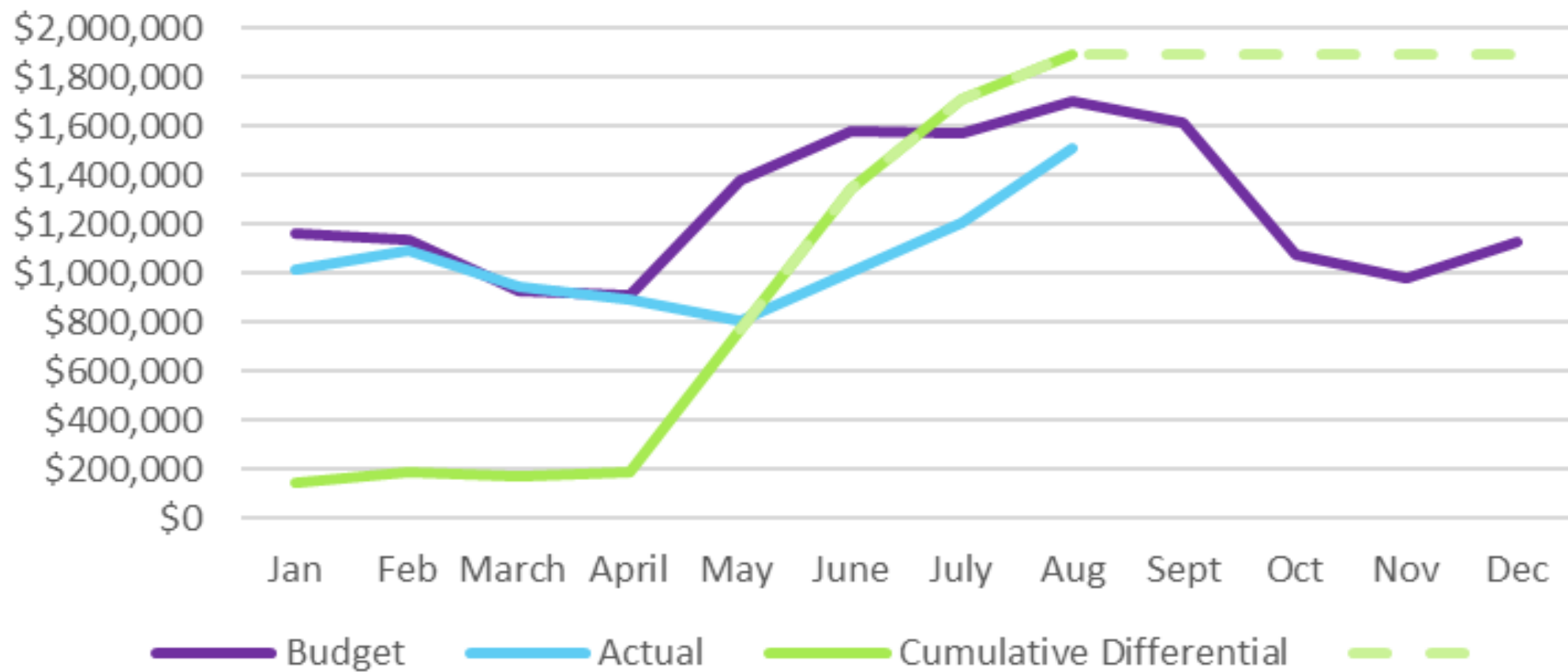
Energy Costs Actuals through August 2019



Capacity Costs Actual through August 2019



Transmission Costs Actual through August 2019



To: Coleen O'Brien

From: *MM* Maureen McHugh, Charles Underhill *CTJ*

Date: October 9, 2019

Subject: Purchase Power Summary –August 2019

Energy Services Division (ESD) has completed the Purchase Power Summary for the month of August 2019.

ENERGY

The RMLD's total metered load for the month of August was 65,033,995, which is a 11.19% decrease from the August 2018 figures. The system distribution losses are 4%.

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

Table 1

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy	Total \$ Costs	\$ as a %
Millstone #3	3,649,558	\$6.22	5.54%	\$22,715	0.97%
Seabrook	5,882,237	\$5.27	8.92%	\$31,013	1.32%
Stonybrook Intermediate	1,886,112	\$21.45	2.86%	\$40,453	1.72%
NYPA	2,415,336	\$4.93	3.66%	\$11,898	0.51%
Nextera	38,815,195	\$42.77	58.89%	\$1,660,276	70.60%
ISO Interchange	351,569	\$59.51	0.53%	\$20,921	0.89%
Nema Congestion	-	\$0.00	0.00%	-\$48,104	-2.05%
Coop Resales	20,014	\$146.34	0.03%	\$2,929	0.12%
Hydro Projects*	733,572	\$62.76	1.11%	\$46,041	1.96%
Braintree Watson Unit	119,386	\$160.76	0.18%	\$19,193	0.82%
Saddleback/Jericho Wind	955,382	\$84.36	1.45%	\$80,596	3.43%
Community Solar	874,277	\$74.18	1.33%	\$64,858	2.76%
Exelon	10,208,000	\$39.09	15.49%	\$399,031	16.97%
Stonybrook Peaking	0	\$0.00	0.00%	\$0	0.00%
Monthly Total	65,910,638	\$35.68	100.00%	\$2,351,819	100.00%

*Pepperell, Woronoco, Indian River, Turner Falls, Collins, Pioneer, Hosiery Mills, Aspinook Hydro

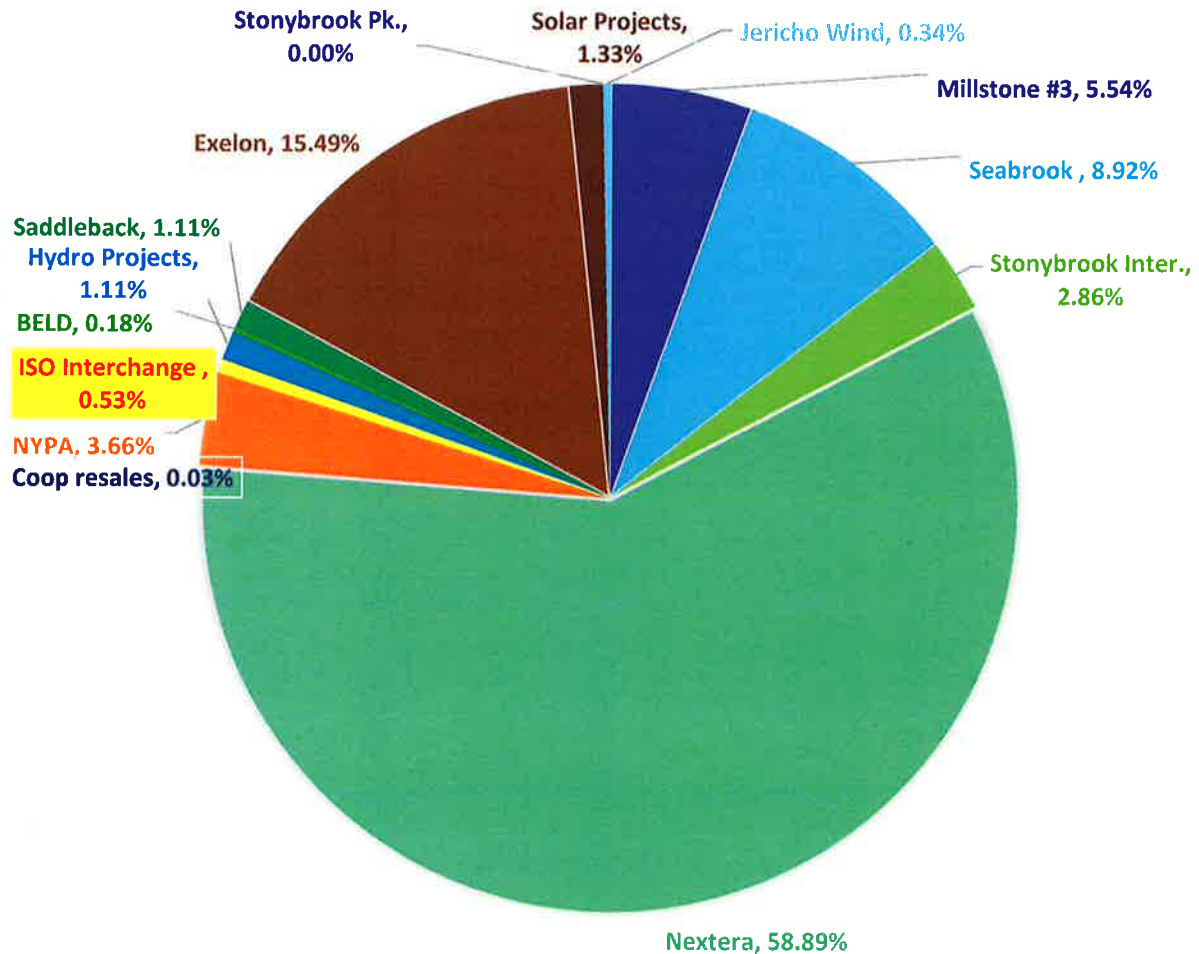
Table 2 breaks down the ISO interchange between the DA LMP Settlement and the RT Net Energy for the month of August 2019.

Table 2

Resource	Amount of Energy (kWh)	Cost of Energy (\$/Mwh)	% of Total Energy
ISO DA LMP * Settlement	1,789,557	(\$23.16)	2.72%
RT Net Energy ** Settlement	(1,437,988)	(\$14.33)	-2.18%
ISO Interchange (subtotal)	351,569	\$59.51	0.53%

* Independent System Operator Day-Ahead Locational Marginal Price

AUGUST 2019 ENERGY BY RESOURCE



CAPACITY

The RMLD hit a demand of 149,208 kW, which occurred on Monday August 19, 2019 at 3 pm. The RMLD's monthly UCAP requirement for August, was 230,275 kW.

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

Table 3

Source	Amount (kW)	Cost (\$/kW-month)	Total Cost \$	% of Total Cost
Millstone #3	4,950	21.19	\$104,914	5.96%
Seabrook	7,917	18.41	\$145,738	8.28%
Stonybrook Peaking	24,980	2.07	\$51,774	2.94%
Stonybrook CC	42,925	3.62	\$155,258	8.83%
Minuteman Energy	0	0.00	\$25,407	1.44%
NYPA	0	0.00	-\$9,188	-0.52%
Hydro Quebec	0	0	-\$44,043	-2.50%
Braintree Watson Unit	10,520	23.87	\$251,140	14.28%
ISO-NE Supply Auction	138,983	7.76	\$1,078,230	61.29%
Total	230,275	\$7.64	\$1,759,231	100.00%

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

Table 4

Resource	Energy	Capacity	Total cost	% of Total Cost	Amt of Energy (kWh)	Cost of Power (\$/kWh)
Millstone #3	\$22,715	\$104,914	\$127,629	3.11%	3,649,558	\$0.0350
Seabrook	\$31,013	\$145,738	\$176,751	4.31%	5,882,237	\$0.0300
Stonybrook Intermediate	\$40,453	\$155,258	\$195,710	4.77%	1,886,112	\$0.1038
Hydro Quebec	\$0	-\$44,043	-\$44,043	-1.07%	-	\$0.0000
NextEra	\$1,660,276	\$0	\$1,660,276	40.48%	38,815,195	\$0.0428
Minuteman Energy	\$0	\$25,407	\$25,407	0.62%	-	\$0.0000
* NYPA	\$11,898	\$0	\$2,710	0.07%	2,415,336	\$0.0011
NYPA FCM Credit	\$0	-\$9,188	-\$9,188	-0.22%	-	\$0.0000
ISO Interchange	\$20,921	0	\$20,921	0.51%	351,569	\$0.0595
ISO Capacity	\$0	\$1,078,230	\$1,078,230	26.29%	-	\$0.0000
Nema Congestion	-\$48,104	\$0	-\$48,104	-1.17%	-	\$0.0000
* Hydro Projects	\$46,041	\$0	\$46,041	1.12%	733,572	\$0.0628
Braintree Watson Unit	\$19,193	\$251,140	\$270,333	6.59%	119,386	\$2.2644
* Saddleback/Jericho	\$80,596	\$0	\$80,596	1.96%	955,382	\$0.0844
* Burlington & Community Solar	\$64,858	\$0	\$64,858	1.58%	874,277	\$0.0742
Coop Resales	\$2,929	\$0	\$2,929	0.07%	20,014	\$0.1463
Exelon Energy	\$399,031	\$0	\$399,031	9.73%	10,208,000	\$0.0391
Stonybrook Peaking	\$0	\$51,774	\$51,774	1.26%	-	\$0.0000
Monthly Total	\$2,351,819	\$1,759,231	\$4,101,862	100.00%	65,910,638	\$0.0622

*Renewable Resources; per RMLD Board Policy, any RECs are sold to offset energy costs for all customers.

RENEWABLE ENERGY CERTIFICATES (RECs)

Table 5 shows the amount of banked and projected RECs for the Hydro and Wind Projects through the 2nd Quarter, as well as their estimated market value.

**Table 5
RECs Summary
2019 2nd Quarter**

REC Classification	RECs Projected	RECS Sold (Feb19)	RECs Sold (Mar 19)	RECs Sold	BID Current	Revenue* Potential	Revenue** Received
CT 1	2,688	0	3,382	3,382	33.00	\$88,704	\$80,009
MA 1	2,043	0	592	592	33.00	\$67,419	\$14,005
MA/CT/RI/NH1	3,395	2,187	2,731	4,918	33.00	\$112,035	\$116,347
MA/RI/NH 1/ME	1,307	-	1,883	1,883	33.00	\$43,131	\$44,547
VT Tier 1	435		425	425	0.50	\$218	\$298
MA 2	1,339	-	1,021	1,021	25.50	\$34,145	\$26,036
Totals	11,207	2,187	10,034	12,221		\$345,651	\$281,241

*RECs projected sold at current bid prices

**Total dollars to date for RECs sold

TRANSMISSION

The RMLD's total transmission costs for the month of August 2019, were \$1,513,673. This is an increase of 25.64% from the July 2019 transmission cost of \$1,204,784,. In August 2018, the transmission costs were \$1,352,807.

Table 6

	Current Month	Last Month	Last Year
Peak Demand (kW)	149,208	155,117	163,635
Energy (kWh)	65,910,638	72,617,049	74,896,135
Energy (\$)	\$2,351,819	\$2,738,530	\$3,184,239
Capacity (\$)	\$1,759,231	\$1,639,590	\$1,804,194
Transmission(\$)	\$1,513,673	\$1,204,784	\$1,352,807
Total	\$5,624,723	\$5,582,904	\$6,341,240

FINANCIAL REPORT
AUGUST 2019
ATTCHMENT 2

**Town of Reading, Massachusetts
Municipal Light Department
Statement of Net Assets
August 31, 2019**

	<i>AUGUST</i> <i>2019</i>	<i>AUGUST</i> <i>2018</i>
ASSETS		
Current:		
Unrestricted Cash	\$ 19,799,843	\$ 17,142,873
Restricted Cash	32,677,847	32,070,721
Restricted Investments	1,245,105	1,251,280
Receivables, Net	8,152,951	9,923,236
Prepaid Expenses	1,854,793	644,974
Inventory	2,132,581	1,491,241
Total Current Assets	<u>65,863,120</u>	<u>62,524,325</u>
Noncurrent:		
Investment in Associated Companies	629,226	258,758
Capital Assets, Net	79,383,748	78,432,863
Total Noncurrent Assets	<u>80,012,974</u>	<u>78,691,621</u>
Deferred Outflows - Pension Plan	<u>5,779,858</u>	<u>3,996,947</u>
TOTAL ASSETS	<u><u>151,655,953</u></u>	<u><u>145,212,893</u></u>
 LIABILITIES		
Current		
Accounts Payable	7,900,750	6,823,848
Accrued Liabilities	538,145	693,283
Customer Deposits	1,287,530	1,165,147
Advances from Associated Companies	200,000	200,000
Customer Advances for Construction	2,107,271	2,044,404
Total Current Liabilities	<u>12,033,696</u>	<u>10,926,681</u>
Non-current		
Accrued Employee Compensated Absences	2,354,824	3,193,676
Net OPEB Obligation	7,374,246	7,158,353
Net Pension Liability	10,781,819	10,781,819
Total Non-current Liabilities	<u>20,510,889</u>	<u>21,133,848</u>
Deferred Inflows - Pension Plan	2,105,560	2,105,560
TOTAL LIABILITIES	<u>34,650,146</u>	<u>34,166,089</u>
 NET POSITION		
Invested in Capital Assets, Net of Related Debt	79,383,748	78,432,863
Restricted for Depreciation Fund	9,314,316	7,673,197
Restricted for Pension Trust	5,878,179	5,695,996
Unrestricted	22,429,564	19,244,748
	<u>117,005,807</u>	<u>111,046,804</u>
	<u><u>151,655,953</u></u>	<u><u>145,212,893</u></u>

Town of Reading, Massachusetts
Municipal Light Department
Business Type Proprietary Fund
Statement of Revenues, Expenses and Changes in Fund Net Assets
August 31, 2019

	AUGUST 2019	AUGUST 2018	Year to Date Current Year	Year to Date Last Year
Operating Revenues				
Base Revenue	\$ 2,830,300	\$ 2,883,774	\$ 18,309,057	\$ 17,861,291
Fuel Revenue	3,011,067	3,278,632	18,733,085	23,488,133
Purchased Power Capacity & Transmission	3,405,758	3,943,883	24,035,731	27,199,951
Forfeited Discounts	80,566	94,294	554,600	558,580
Energy Conservation Revenue	65,988	68,127	430,017	438,282
NYPA Credit	(80,689)	(50,821)	(845,859)	(800,340)
Total Operating Revenues	9,312,991	10,217,890	61,216,630	68,745,897
Expenses				
Power Expenses:				
547 Purchased Power Fuel	2,356,123	3,185,046	19,492,168	21,476,051
555 Purchased Power Capacity	1,798,410	1,808,792	14,702,208	16,810,561
565 Purchased Power Transmission	1,513,673	1,352,807	8,474,809	8,995,714
Total Purchased Power	5,668,206	6,346,646	42,669,185	47,282,326
Operations and Maintenance Expenses:				
580 Supervision and Engineering	74,747	84,617	599,162	454,268
581 Station/Control Room Operators	51,586	64,844	360,804	444,547
582 Station Technicians	28,505	50,066	234,935	444,893
583 Line General Labor	44,838	12,166	175,635	365,372
585 Street Lighting	-	33,976	59,998	179,091
586 Meter General	12,602	18,177	78,859	125,749
588 Materials Management	44,979	53,749	277,734	366,217
593 Maintenance of Lines - Overhead	15,017	41,940	322,846	725,233
593 Maintenance of Lines - Tree Trimming	68,663	4,401	297,085	341,201
594 Maintenance of Lines - Underground	8,492	10,732	74,030	24,308
595 Maintenance of Line - Transformers	1,250	11,007	64,223	96,648
598 Line General Leave Time Labor	25,704	60,330	254,212	92,541
Total Operations and Maintenance	376,381	446,004	2,799,522	3,660,067
General & Administration Expenses:				
902 Meter Reading	1,062	781	2,834	16,279
903 Customer Collections	115,301	118,429	799,842	1,270,313
904 Uncollectible Accounts	8,750	12,500	70,000	39,142
916 Energy Audit	50,736	46,500	316,120	337,875
916 Energy Conservation	99,268	124,040	394,798	524,188
920 Administrative and General Salaries	169,863	164,962	1,222,303	821,787
921 Office Supplies and Expense	155	906	8,388	5,342
923 Outside Services - Legal	1,375	45,031	239,226	328,088
923 Outside Services - Contract	13,402	2,582	177,397	163,350
923 Outside Services - Education	5,477	6,936	48,924	90,277
924 Property Insurance	29,016	28,373	232,622	226,570
925 Injuries and Damages	4,486	3,856	38,530	50,098
926 Employee Pensions and Benefits	147,905	269,067	2,162,581	2,169,917
930 Miscellaneous General Expense	11,338	5,426	87,430	61,886
931 Rent Expense	13,952	13,930	149,179	143,381
933 Vehicle Expenses	29,405	19,666	204,256	175,046
933 Vehicle Expenses - Capital	(32,454)	(31,325)	(213,124)	(223,318)
935 Maintenance of General Plant	33,374	10,983	281,351	214,659
935 Maintenance of Building & Garage	53,242	46,206	525,124	476,838
Total General & Administration Expenses	755,652	888,847	6,747,783	6,891,717

Town of Reading, Massachusetts
Municipal Light Department
Business Type Proprietary Fund
Statement of Revenues, Expenses and Changes in Fund Net Assets
August 31, 2019

	AUGUST 2019	AUGUST 2018	Year to Date Current Year	Year to Date Last Year
Other Operating Expenses:				
403 Depreciation	377,166	376,333	3,017,328	2,905,661
408 Voluntary Payments to Towns	130,806	127,951	1,046,445	992,265
Total Other Expenses	<u>507,972</u>	<u>504,284</u>	<u>4,063,773</u>	<u>3,897,926</u>
Operating Income	2,004,780	2,032,109	4,936,367	7,013,862
Non Operating Revenues (Expenses):				
415 Contribution in Aid of Construction				
419 Interest Income	44,979	33,114	325,195	131,231
419 Other	173,047	121,758	1,032,252	973,393
426 Return on Investment to Reading	(206,709)	(201,648)	(1,653,671)	(1,677,026)
426 Loss on Disposal				
431 Interest Expense	(1,523)	(964)	(24,144)	(9,522)
Total Non Operating Revenues (Expenses)	<u>9,795</u>	<u>(47,739)</u>	<u>(320,369)</u>	<u>(581,923)</u>
Change in Net Assets	<u>\$ 2,014,575</u>	<u>\$ 1,984,369</u>	<u>\$ 4,615,998</u>	<u>\$ 6,431,939</u>

Town of Reading, Massachusetts
Municipal Light Department
Statement of Budgeted Revenues, Expenses and Changes in Fund Net Assets
August 31, 2019

	Actual	Budget	Budget to Actual	% Over
	Year to Date	8 Mos Ended 8/31/2019	Over/(Under) \$	or -Under
Operating Revenues				
Base Revenue	\$ 18,309,057	\$ 18,507,432	\$ (198,375)	-1.07%
Fuel Revenue	18,733,085	20,217,929	(1,484,843)	-7.34%
Purchased Power Capacity & Transmission	24,035,731	25,171,261	(1,135,531)	-4.51%
Forfeited Discounts	554,600	555,223	(623)	-0.11%
Energy Conservation Revenue	430,017	441,387	(11,370)	-2.58%
NYPA Credit	(845,859)	(800,000)	(45,859)	5.73%
	<u>61,216,630</u>	<u>64,093,232</u>	<u>(2,876,602)</u>	<u>-4.49%</u>
Expenses				
Power Expenses:				
547 Purchased Power Fuel	19,492,168	19,417,929	74,240	0.38%
555 Purchased Power Capacity	14,702,208	15,193,225	(491,017)	-3.23%
565 Purchased Power Transmission	8,474,809	9,978,037	(1,503,228)	-15.07%
Total Purchased Power	<u>42,669,185</u>	<u>44,589,190</u>	<u>(1,920,005)</u>	<u>-4.31%</u>
Operations and Maintenance Expenses:				
580 Supervision and Engineering	599,162	722,639	(123,478)	-17.09%
581 Station/Control Room Operators	360,804	321,301	39,503	12.29%
582 Station Technicians	234,935	348,243	(113,309)	-32.54%
583 Line General Labor	175,635	224,000	(48,365)	-21.59%
585 Street Lighting	59,998	33,815	26,183	77.43%
586 Meter General	78,859	144,922	(66,063)	-45.59%
588 Materials Management	277,734	294,707	(16,973)	-5.76%
593 Maintenance of Lines - Overhead	322,846	471,415	(148,569)	-31.52%
593 Maintenance of Lines - Tree Trimming	297,085	599,689	(302,605)	-50.46%
594 Maintenance of Lines - Underground	74,030	270,101	(196,070)	-72.59%
595 Maintenance of Line - Transformers	64,223	270,997	(206,774)	-76.30%
598 Line General Leave Time Labor	254,212	188,866	65,346	34.60%
Total Operations and Maintenance Expenses	<u>2,799,522</u>	<u>3,890,696</u>	<u>(1,091,174)</u>	<u>-28.05%</u>
General & Administration Expenses:				
902 Meter Reading	2,834	22,733	(19,899)	-87.53%
903 Customer Collections	799,842	769,466	30,376	3.95%
904 Uncollectible Accounts	70,000	70,000	-	0.00%
916 Energy Audit	316,120	336,367	(20,247)	-6.02%
916 Energy Conservation	394,798	656,079	(261,281)	-39.82%
920 Administrative and General Salaries	1,222,303	1,366,842	(144,539)	-10.57%
921 Office Supplies and Expense	8,388	13,333	(4,945)	-37.09%
923 Outside Services - Legal	239,226	355,267	(116,040)	-32.66%
923 Outside Services - Contract	177,397	257,133	(79,736)	-31.01%
923 Outside Services - Education	48,924	162,595	(113,672)	-69.91%
924 Property Insurance	232,622	284,133	(51,511)	-18.13%
925 Injuries and Damages	38,530	37,607	922	2.45%
926 Employee Pensions and Benefits	2,162,581	2,387,743	(225,162)	-9.43%
930 Miscellaneous General Expense	87,430	328,985	(241,554)	-73.42%
931 Rent Expense	149,179	141,333	7,846	5.55%
933 Vehicle Expenses	204,256	207,467	(3,210)	-1.55%
933 Vehicle Expenses - Capital	(213,124)	(168,908)	(44,216)	26.18%
935 Maintenance of General Plant	281,351	256,667	24,684	9.62%
935 Maintenance of Building & Garage	525,124	664,539	(139,414)	-20.98%
Total General & Administration Expenses	<u>6,747,783</u>	<u>8,149,381</u>	<u>(1,401,598)</u>	<u>-17.20%</u>

**Town of Reading, Massachusetts
Municipal Light Department
Statement of Budgeted Revenues, Expenses and Changes in Fund Net Assets
August 31, 2019**

	Actual	Budget		
	Year to Date	8 Mos Ended 8/31/2019	Budget to Actual Over/(Under) \$	% Over or -Under
Other Operating Expenses:				
403 Depreciation	3,017,328	3,016,000	1,328	0.04%
408 Voluntary Payments to Towns	1,046,445	1,047,240	(795)	-0.08%
Total Other Expenses	<u>4,063,773</u>	<u>4,063,240</u>	<u>533</u>	<u>0.01%</u>
Operating Income	4,936,367	3,400,725	1,535,641	45.16%
Non Operating Revenues (Expenses):				
415 Contribution in Aid of Construction				
419 Interest Income	325,195	116,667	208,528	178.74%
419 Other	1,032,252	566,667	465,585	82.16%
426 Return on Investment to Reading	(1,653,671)	(1,653,671)	0	0.00%
426 Loss on Disposal	-	(66,667)	66,667	-100.00%
431 Interest Expense	(24,144)	(10,667)	(13,478)	126.35%
Total Non Operating Revenues (Expenses)	<u>(320,369)</u>	<u>(1,047,671)</u>	<u>727,302</u>	<u>-69.42%</u>
Change in Net Assets	<u>\$ 4,615,998</u>	<u>\$ 2,353,054</u>	<u>\$ 2,262,944</u>	<u>96.17%</u>

ENGINEERING & OPERATIONS REPORT
ATTACHMENT 3

ENGINEERING & OPERATIONS REPORT

Hamid Jaffari, Director of Engineering & Operations

RMLD Board of Commissioners Meeting
October 17, 2019

Major Construction Projects

Currently Underway or Recently Completed

❖ Station 4 – 4WI6 Getaway Replacement (Capital Project)

This project is now on hold. Work will resume when the 2019 portion of the Marion Street project is completed. This project is scheduled to be completed by the end of the year. **Status:** *In-progress*

❖ Marion Street Extension, Wilmington (Capital Project)

The Marion Street Extension will be completed in two phases (2019 and 2020). In 2019 RMLD will install approximately 2,050 feet of underground electrical cable, make terminations, splice, elbows, and test, and install 1,000 feet of overhead spacer cable, transfer and frame poles. To date, crews have installed all of the underground cable and are in the process of making up splices and terminations. Verizon has upgraded the poles in the area, and RMLD crews are in the process of framing the overhead lines for installation of the spacer cable. **Status:** *In-progress*

Marion Street Extension, Wilmington



❖ Grid Modernization – Scada-Mate Switches and IntelliRupters (Capital Project)

Scada-Mate Switches (6 switches in 2019):

Installed (pending radio installation to bring on-line) at: (1) Butters Row, Wilmington
(2) Pole 150, Main Street, Wilmington (3) Chestnut Street, Wilmington (4) Ash Street, Reading

Pending Installation: (5) Minot Street, Reading – Verizon pole set in progress,
(6) spare to be used in the event of a failure

IntelliRupters (2 switches in 2019):

Installed (pending radio installation to bring on-line) at: (1) Bay State Road,
Reading (2) Industrial Way, Wilmington



Installation of Scada-Mate Switch on Ash Street, Reading

Area Upgrade

- ❖ **Deborah Drive, Reading** – This is an area upgrade to include poles, primary and secondary cable, transformers, and services as necessary. Crews have set nine (9) poles and replaced all primary and secondary cable, and transformers. This portion of the work is complete. The upgrade was expanded to include Applegate Lane and part of Covey Hill Road replacing an additional five (5) poles and upgrading approximately 1,100 feet of primary cable. Upgrade to ~800 feet of secondary cable is currently underway. **Status: *In-progress***

Deborah Drive (Covey Hill) Area Upgrade



Step-down Upgrade

- ❖ ***Gerry Road / Drury Lane Step-down Upgrade*** – RMLD crews are in the process of performing a complete upgrade in this area. This includes Verizon's replacement of all poles, in addition to RMLD's replacement of all primary cable, secondary cable, transformers and services. During these upgrades, the neighborhood shall also be converted from 4kV distribution to 13.8kV distribution. At this point, Verizon has replaced all the poles in conjunction with this project. RMLD crews have started installing new equipment onto the newly set poles. Work is expected to be completed by the end of the year.

Status: *In-progress*

Gerry Road / Drury Lane Step-down Upgrade



Maintenance Programs

- ❖ Pole Inspection/Replacement Program – 268 poles set 240 transfers completed
- ❖ Tree Trimming – 114 spans in August 1,174 spans YTD through August
- ❖ 2019 Inspection of Feeders –
 - 3W5, 3W6, 3W7, 3W8, 3W13, 3W14, 3W15 and 3W18
 - 4W4, 4W5, 4W6, 4W7, 4W9, 4W10, 4W12, 4W13, 4W16, 4W17, 4W18, 4W19, 4W23, 4W24, 4W28, 4W30
 - 5W4, 5W6 (Transfer)
- ❖ Infrared Scans – Completed through September - No Hot Spots Found
- ❖ Manhole Inspection – on-going
- ❖ Porcelain Cutout Replacement – on-going

Maintenance Programs

(continued)

❖ Aged Transformer Replacement 2019 YTD (thru Sept)

	Pad-mount		Pole-mount		Total
	single-phase	three-phase	single-phase	three-phase	
SEPTEMBER	4	2	4	1	11
YTD TOTAL:	19	5	41	5	70

TRANSFORMERS SYSTEM-WIDE

As of September 24, 2019

TOTAL	25-YEARS OR OLDER	% 25-YEARS OR OLDER
4,071	1,514	37.19%

Double Poles

Per NJUNS

(as of 10/8/19)

LYNNFIELD

"Next to Go"	# of Tickets
RMLD	84
Transfer	84
Pull Pole	
CMCTNR - Comcast	2
Transfer	2
LFLDFD - Lynnfield Fire Dept.	2
Transfer	2
GRAND TOTAL	88

READING

"Next to Go"	# of Tickets
VZNESA - Verizon	0
Transfer	0
RMLD	43
Transfer	34
Pull Pole	9
CMCTNR - Comcast	6
Transfer	6
RDNGFD - Reading Fire Dept.	9
Transfer	9
LTFMA - Lightower Fiber	0
Transfer	
NP3PMA - Non-Participating 3rd Party Attachee	3
Transfer	3
GRAND TOTAL	61

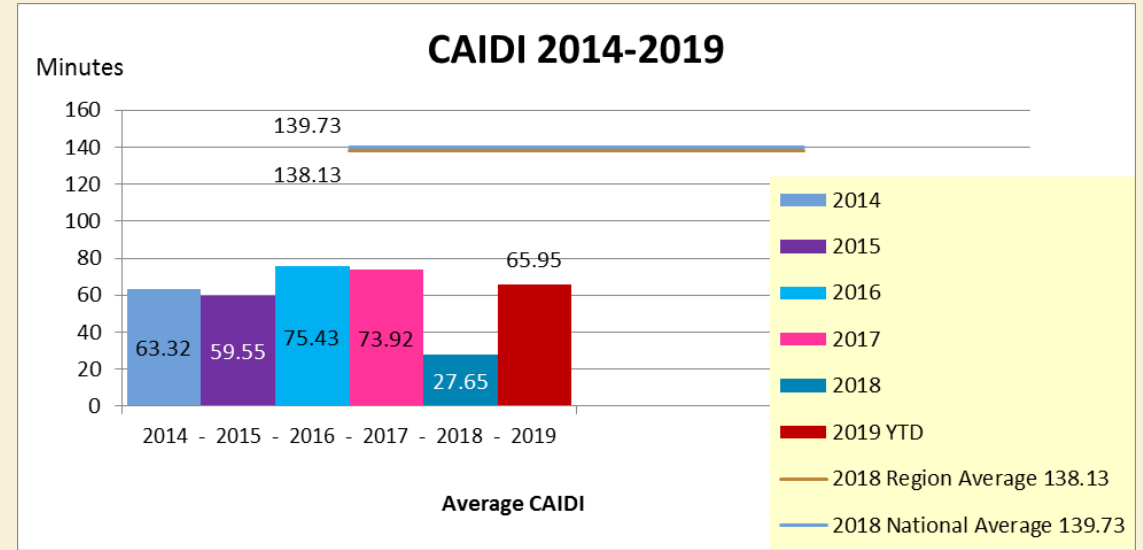
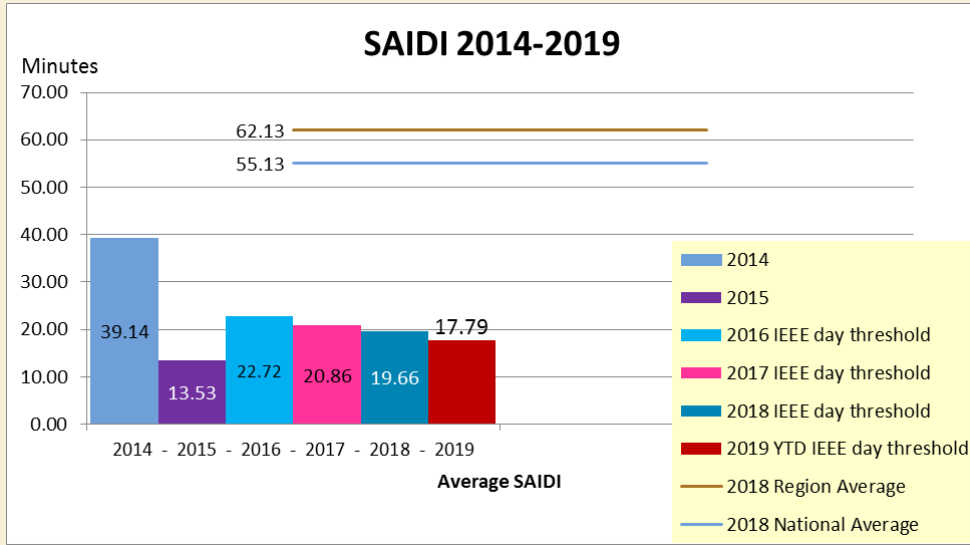
NORTH READING

"Next to Go"	# of Tickets
VZNEDR - Verizon	0
Transfer	0
RMLD	5
Transfer	1
Pull Pole	4
CMCTNR - Comcast	4
Transfer	4
NRDGF - North Reading Fire Dept.	2
Transfer	2
LTFMA - Lightower Fiber	0
Transfer	
GRAND TOTAL	11

WILMINGTON

"Next to Go"	# of Tickets
VZNEDR - Verizon	5
Transfer	2
Pull Pole	
Dispute	3
RMLD	12
Transfer	10
Pull Pole	2
CMCTNR - Comcast	3
Transfer	3
WMGNFD - Wilmington Fire Dept.	33
Transfer	33
WLMFIG - Wilmington Fiber	1
Transfer	1
NP3PMA - Non-Participating 3rd Party Attachee	0
Transfer	0
LTFMA - Lightower Fiber	0
Transfer	0
VZBMA - Verizon Business	6
Transfer	6
GRAND TOTAL	60

RMLD Reliability Indices

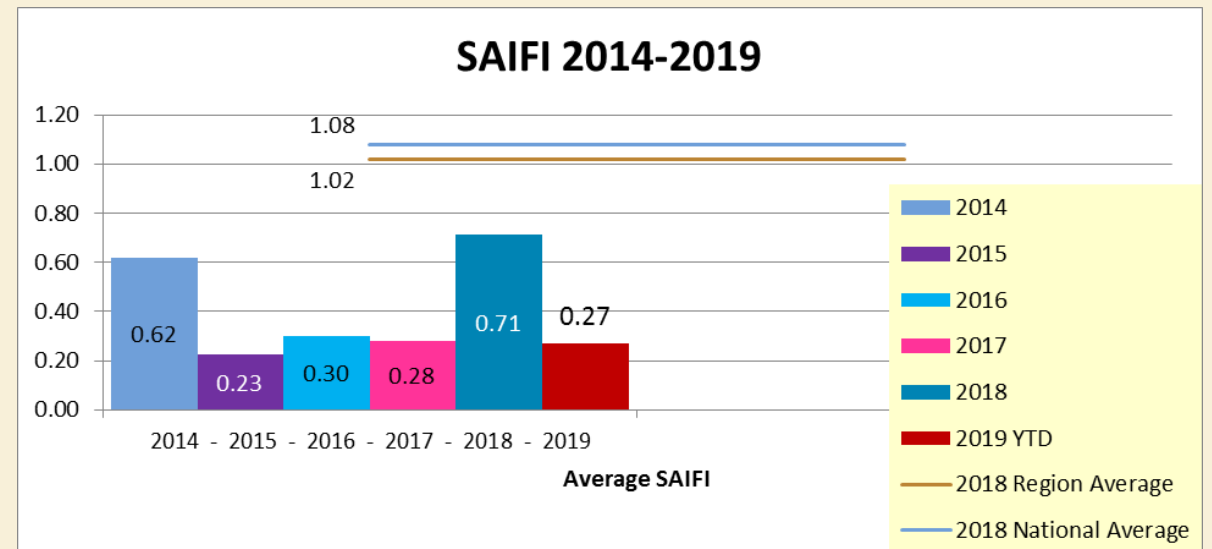


$$SAIDI \text{ (Minutes)} = \frac{\text{Total Duration of Customer Interruptions}}{\text{Total Number of Customers Served}}$$

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

Note: The major event (ME) threshold allows a utility to remove outages that exceed the IEEE 2.5 beta threshold for events. These events could be severe weather, which can lead to unusually long outages in comparison to your distribution system's typical outage.

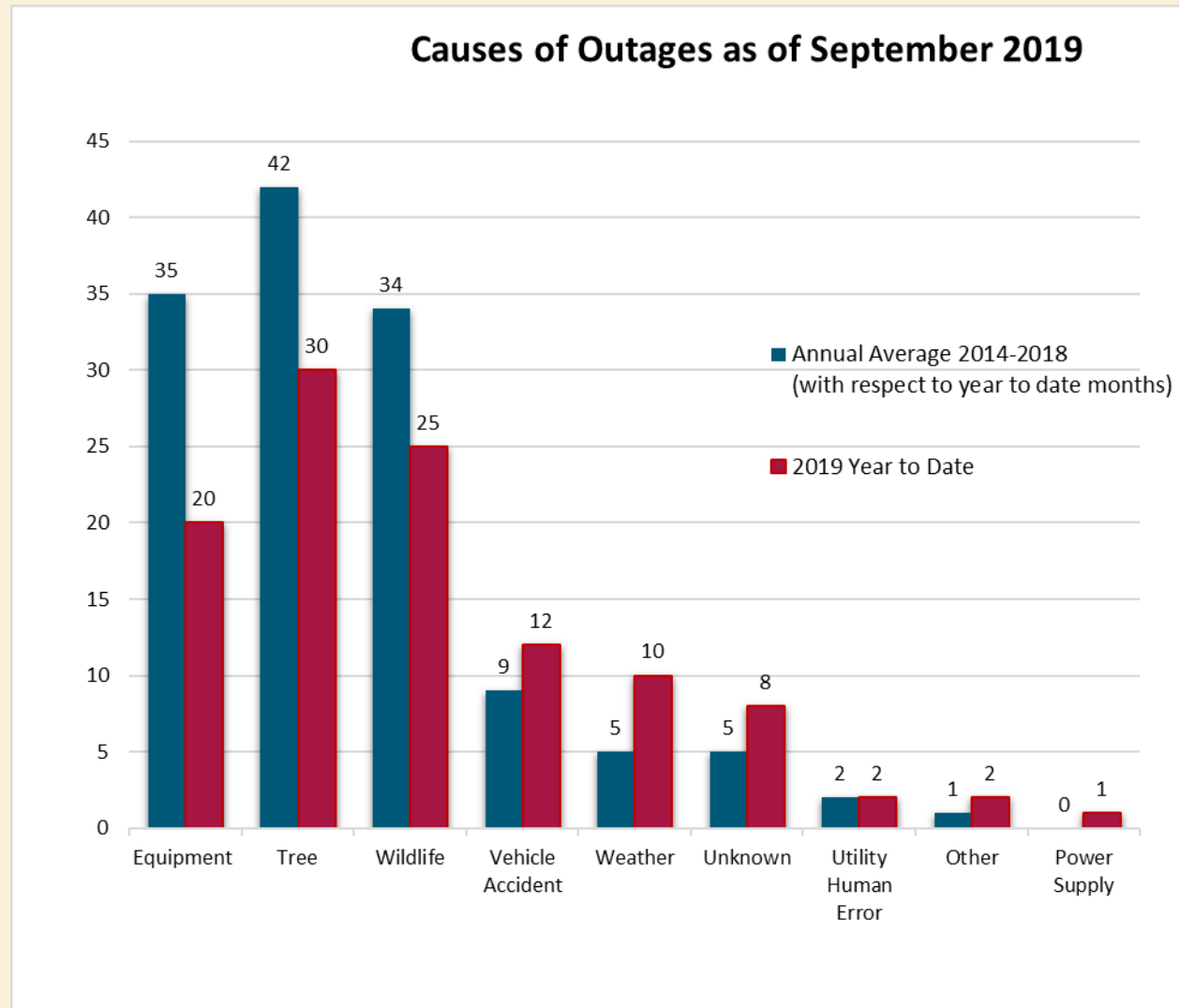
$$SAIFI = \frac{\text{Total Number of Customer Interruptions}}{\text{Total Number of Customers Served}}$$



Regional and national averages have been updated for 2018.

2019 data from January through September

Outages



RMLD PROCUREMENT REQUEST
REQUIRING BOARD APPROVAL
ATTACHMENT 4



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

October 9, 2019

Tel: (781) 942-6598
Web: www.rml.com

Town of Reading Municipal Light Board

Subject: IFB 2019-21 Deck and Patio Renovation

Pursuant to M.G.L., c. 149/c. 30 § 39M, on September 11, 2019, an invitation for bid was placed as a legal notice in the Middlesex East Section of the Daily Times Chronicle, published in the Central Register, posted on COMMBUYS, the RMLD website, and the RMLD bulletin board requesting sealed bids for Deck and Patio Renovation.

An invitation for bid was sent to the following twenty-four companies:

Ace Restoration Company, Inc.	Campbell Construction Group, LLC	Caruso and McGovern Construction, Inc.
ConstructConnect	Cornerstone Construction, LLC	Dagle Electrical Construction Corp.
Deltek	Dodge Data & Analytics	Eagle Point Builders, Inc.
Edward Paige Corporation	Folan Waterproofing & Construction Co., Inc.	Infrastructure Ltd.
James T. Lynch Construction Company Inc.	Kneeland Construction Corp.	Mario Campora
Mattuchio Construction Co., Inc.	Meninno Construction Co., Inc.	One Source Construction, LLC
Prime Vendor Inc.	Projectdog, Inc.	RH White Construction Co., Inc.
Site Improvements Inc.	St. John Corp.	Watermark Environmental, Incorporated

Sealed bids were received from three companies: Edward Paige Corporation, Kneeland Construction Corp., and St. John Corp.

The sealed bids were publicly opened and read aloud at 11:00 a.m. on October 2, 2019, in the Town of Reading Municipal Light Department's General Manager's Conference Room, 230 Ash Street, Reading, Massachusetts.

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

Move that IFB 2019-21 for Deck and Patio Renovation be awarded to: **Kneeland Construction Corp. for \$171,000.00¹**, pursuant to M.G.L., c. 149/c. 30 § 39M, as the lowest responsible and eligible bidder, on the recommendation of the General Manager.

¹See attached.

The Deck and Patio Renovation will be paid with Capital funds. This is a non-budgeted item.



Paul McGonagle



Hamid Jaffar



Coleen O'Brien

**Deck and Patio Renovation
IFB 2019-21**

Bidder	<u>Total Price</u>	<u>Responsive Bidder</u>	<u>Meet Specification Requirement</u>
Edward Paige Corporation	\$275,690.00	Yes	Yes
Kneeland Construction Corp.	\$171,000.00	Yes	Yes
St. John Corp.	\$277,576.00	Yes	Yes



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

October 9, 2019

Tel: (781) 942-6598
Web: www.rml.com

Town of Reading Municipal Light Board

Subject: IFB 2019-22 Remedial Coating System for Application Over an Existing Aged EPDM Roof Membrane

Pursuant to M.G.L., c. 149/c. 30 § 39M, on September 11, 2019, an invitation for bid was placed as a legal notice in the Middlesex East Section of the Daily Times Chronicle, published in the Central Register, posted on COMMBUYS, the RMLD website, and the RMLD bulletin board requesting sealed bids for Remedial Coating System for Application Over an Existing Aged EPDM Roof Membrane.

An invitation for bid was sent to the following twenty-five companies:

- | | | |
|---------------------------------|---|--------------------------------------|
| A & M Roofing Services LLC | Arc Roof Coatings, Inc. | Chapman Waterproofing Company |
| ConstructConnect | Construction.com | Eagle Rivet Roof Services Corp. |
| FRG Contractor Corporation | Gibson Roofs Inc. | Hy-Tech Roofing Solutions LLC |
| Industrial Roofing & Siding Co. | IRC-Roof Management Services | J. D. Rivet & Co., Inc. |
| Joe Bettencourt Builders | Martel Coatings, Inc. | Pat McAniff Painting/Roof Coatings |
| Paul J. Cazeault & Sons, Inc. | Portanova Roofing, Inc. | Prime Vendor, Inc. |
| Projectdog, Inc. | Puff, Inc. | R J Forbes Painting Contractor, Inc. |
| Silktown Roofing, Inc. | Supreme Roofing & Home Improvement, LLC | The Aulson Company, LLC |
| Weather Guard Industries, Inc. | | |

Sealed bids were received from three companies: Eagle Rivet Roof Services Corp., Portanova Roofing, Inc., and The Aulson Company, LLC.

The sealed bids were publicly opened and read aloud at 11:00 a.m. on September 25, 2019, in the Town of Reading Municipal Light Department's General Manager's Conference Room, 230 Ash Street, Reading, Massachusetts. Portanova Roofing, Inc. and The Aulson Company, LLC, were deemed non-responsive and therefore rejected.

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

Move that IFB 2019-22 for Remedial Coating System for Application Over an Existing Aged EPDM Roof Membrane be awarded to: **Eagle Rivet Roof Services Corp. for \$272,845.00¹**, pursuant to M.G.L., c. 149/c. 30 § 39M, as the lowest responsible and eligible bidder, on the recommendation of the General Manager.

¹See attached.

The Remedial Coating System for Application Over an Existing Aged EPDM Roof Membrane will be paid with Operating funds. This is a non-budgeted item.



Paul McGonagle



Hamid Jaffar



Colleen O'Brien

**Remedial Coating System for Application Over an Existing Aged EPDM Roof Membrane
IFB 2019-22**

Bidder	<u>Total Price</u>	<u>Responsive Bidder</u>	<u>Meet Specification Requirement</u>
Eagle Rivet Roof Services Corp.	\$272,845.00	Yes	Yes
The Aulson Company, LLC	\$280,240.00	No*	No
Portanova Roofing, Inc.	\$300,240.00	No*	No

*Did not submit required documentation.

BOARD MATERIAL AVAILABLE
BUT NOT DISCUSSED

From: [Tracy Schultz](#)
To: [RMLD Board Members Group](#); [David Hennessy](#)
Subject: AP and Payroll Questions for 10-17-19 Board Book
Date: Tuesday, October 15, 2019 12:12:00 PM

Good afternoon:

AP:

On September 13th there were no Commissioner questions.

On September 20th there were no Commissioner questions.

On September 27th there were no Commissioner questions.

On October 4th there were no Commissioner questions.

On October 11th there were no Commissioner questions.

Payroll:

On September 16th there were no Commissioner questions.

On September 30th there were no Commissioner questions.

This e-mail will be included in the 10-17-19 Board Book.

Tracy Schultz
Executive Assistant
Reading Municipal Light Department
230 Ash Street. Reading. MA. 0186
Tel: 781.942.6489