

**TAUNTON MUNICIPAL LIGHTING PLANT
(A COMPONENT UNIT OF THE CITY OF TAUNTON,
MASSACHUSETTS)**

FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

TAUNTON MUNICIPAL LIGHTING PLANT

CONTENTS

Independent Auditors' Report	1-3
Management's Discussion and Analysis	4-7
Financial Statements	
Statements of Net Position.....	8-9
Statements of Revenues, Expenses and Changes in Net Position	10
Statements of Cash Flows.....	11-12
Notes to Financial Statements	13-42
Required Supplementary Information	
Schedule of Funding Progress for Other Post-Employment Benefits	43
Schedule of Contributions Other Post-Employment Benefits	44
Schedule of Changes in the Plant's Net OPEB Liability and Related Ratios	45
Schedule of Investment Returns for Other Post-Employment Benefits	46
Schedule of Plant's Contributions – Defined Benefit Pension Plan	47
Schedule of Investment Returns – Defined Benefit Pension Plan.....	48
Independent Auditor's Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with <i>Government Auditing Standards</i>	49-50

INDEPENDENT AUDITORS' REPORT

To the Municipal Lighting Commission
City of Taunton, Massachusetts, Municipal Lighting Plant

Report on the Financial Statements

We have audited the accompanying financial statements of the Taunton Municipal Lighting Plant (the "Plant") (a component unit of the City of Taunton, Massachusetts), which comprise the statements of net position as of December 31, 2017 and 2016, and the related statements of revenues, expenses and changes in net position and cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error.

In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Taunton Municipal Lighting Plant, as of December 31, 2017 and 2016, and the changes in financial position and cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matter

As discussed in Note A, the financial statements present the Taunton Municipal Lighting Plant only and do not purport to, and do not present fairly the financial position of the City of Taunton, Massachusetts, as of December 31, 2017 and 2016, the changes in its financial position, or, where applicable, its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, and Schedule of Funding Progress for Other Post-Employment Benefits, Schedule of Contributions Other Post-Employment Benefits, Schedule of Changes in the Plant's Net OPEB Liability and Related Ratios, Schedule of Investment Returns for Other Post-Employment Benefits, Schedule of Plant's Contributions – Defined Benefit Pension Plan, and Schedule of Investment Returns – Defined Benefit Pension Plan on Pages 4-7 and 43-48 be presented to supplement the financial statements. Such information, although not a part of the financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the financial statements in an appropriate operational, economic or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the financial statements, and other knowledge we obtained during our audit of the financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated August 9, 2018 on our consideration of the Taunton Municipal Lighting Plant's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Taunton Municipal Lighting Plant's internal control over financial reporting and compliance.

Marcum LLP

Providence, RI
August 9, 2018

**CITY OF TAUNTON, MASSACHUSETTS
MUNICIPAL LIGHTING PLANT
(AN ENTERPRISE FUND)
MANAGEMENT'S DISCUSSION AND ANALYSIS**

Within this section of the City of Taunton, Massachusetts, Municipal Lighting Plant's annual financial report, management provides narrative discussion and analysis of the financial activities of the Municipal Lighting Plant for the year ended December 31, 2017 and 2016. The Plant's performance is discussed and analyzed within the context of the accompanying financial statements and disclosures following this section.

Overview of the Financial Statements:

The basic financial statements include (1) the statements of net position (2) the statements of revenues, expenses and changes in net position (3) the cash flow statements and (4) notes to the financial statements.

The Statement of Net Position is designed to indicate the Plant's financial position as of a specific point in time. At December 31, 2017, it shows our net position of \$121,571,041 which is comprised of \$90,871,746 invested in capital assets net of related debt, \$13,208,818 restricted for depreciation, \$11,196,054 restricted for pensions and \$6,294,423 available for operations. At December 31, 2016, it shows our net position of \$109,872,254 which is comprised of \$92,607,851 invested in capital assets net of related debt, \$5,597,455 restricted for depreciation, \$9,484,494 restricted for pensions and \$2,182,454 available for operations.

The Statements of Revenues, Expenses and Changes in Net Position summarizes our operating results for the years ended December 31, 2017 and 2016. As discussed in more detail below, the Plant's net income for 2017 and 2016, was \$14,598,787 and \$17,569,158, respectively, before payments in lieu of taxes (PILOT).

The Statement of Cash Flows provides information about the cash receipts and cash payments during the accounting period. It also provides information about the investing and financing activities for the same period. A review of the Plant's Statements of Cash Flows indicates that the cash receipts from operating activities, (that is, electricity and internet access sales and related services) were sufficient to cover the operating expenses and capital projects, as well as contributions to the City.

**CITY OF TAUNTON, MASSACHUSETTS
MUNICIPAL LIGHTING PLANT
(AN ENTERPRISE FUND)
MANAGEMENT'S DISCUSSION AND ANALYSIS**

Summary of Net Position

	<u>2017</u>	<u>2016</u>	<u>2015</u>
Current Assets	\$ 37,658,017	\$ 37,985,577	\$ 29,348,332
Noncurrent Assets	157,310,819	138,107,542	131,178,406
Total Assets	<u>194,968,836</u>	<u>176,093,119</u>	<u>160,526,738</u>
Deferred Outflows of Resources	<u>8,960,013</u>	<u>9,002,763</u>	<u>4,974,752</u>
Total Assets and Deferred Outflows of Resources	<u>\$ 203,928,849</u>	<u>\$ 185,095,882</u>	<u>\$ 165,501,490</u>
Current Liabilities	\$ 11,228,733	\$ 11,710,230	\$ 9,837,572
Noncurrent Liabilities	<u>56,149,830</u>	<u>49,638,886</u>	<u>54,460,822</u>
Total Liabilities	<u>67,378,563</u>	<u>61,349,116</u>	<u>64,298,394</u>
Deferred Inflows of Resources	<u>14,979,245</u>	<u>13,874,512</u>	<u>6,000,000</u>
Net Investment in Capital Assets	90,871,746	92,607,851	89,721,479
Restricted for Depreciation	13,208,818	5,597,455	2,597,455
Restricted for Pension	11,196,054	9,484,494	8,686,444
Unrestricted	<u>6,294,423</u>	<u>2,182,454</u>	<u>(5,802,282)</u>
Total Net Position	<u>121,571,041</u>	<u>109,872,254</u>	<u>95,203,096</u>
Total Liabilities, Deferred Inflows of Resources and Net Position	<u>\$ 203,928,849</u>	<u>\$ 185,095,882</u>	<u>\$ 165,501,490</u>

Summary of Changes in Net Position

	<u>2017</u>	<u>2016</u>	<u>2015</u>
Operating Revenues	\$ 96,773,156	\$ 97,891,540	\$ 99,532,435
Operating Expenses	<u>86,451,461</u>	<u>82,253,365</u>	<u>90,345,088</u>
Operating Income	10,321,695	15,638,175	9,187,347
Nonoperating Revenues Less Nonoperating Expenses	<u>4,277,092</u>	<u>1,930,983</u>	<u>97,288</u>
Increase in Net Position before Transfers	14,598,787	17,569,158	9,284,635
Transfers Out - Payment in Lieu of Taxes	<u>(2,900,000)</u>	<u>(2,900,000)</u>	<u>(2,900,000)</u>
Increase (decrease) in Net Position	<u>\$ 11,698,787</u>	<u>\$ 14,669,158</u>	<u>\$ 6,384,635</u>

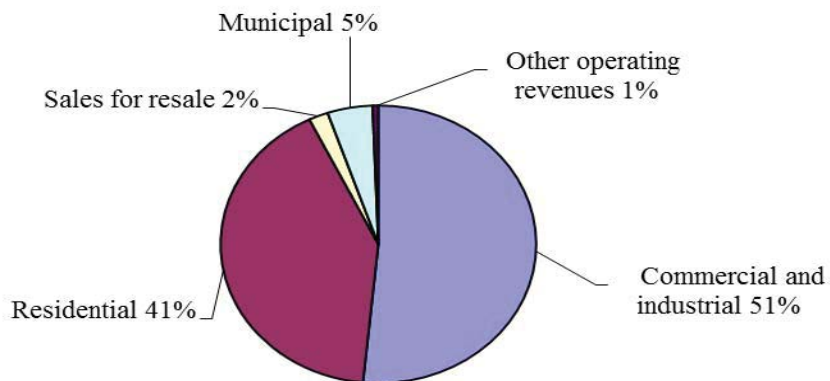
**CITY OF TAUNTON, MASSACHUSETTS
MUNICIPAL LIGHTING PLANT
(AN ENTERPRISE FUND)
MANAGEMENT'S DISCUSSION AND ANALYSIS**

Financial Highlights:

Operating revenues for 2017 decreased by \$1.1 million or 1% from 2016. The revenue decrease was a result of a reduction of kWh sales to commercial customers as well as a reduction in demand. Operating revenues for 2016 decreased by \$1.6 million or 2% from 2015. The revenue decrease was a result of a reduction of sales to consumers of approximately 2.6%.

Operating expenses for 2017 increased by \$4.2 million or 5% from 2016. The increase in expenses is a result of higher Power and Transmission costs. Operating expenses for 2016 decreased by \$8.1 million or 9% from 2015. The decrease in expenses is directly related to the reduction in sales to consumers.

Source of 2017 Operating Revenues



Utility Plant and Debt Administration:

Utility Plant

There was a decrease in net utility plant in service of \$436,000 for 2017. This decrease is the difference between the current year additions of \$7.4 million and the annual depreciation (3% of depreciable gross plant) expense of \$7.8 million. Additions to plant consisted principally of approximately \$1.6 million in production and transmission plant, \$4.1 million in distribution plant and \$1.7 million in general plant. Major items capitalized include the West Water Street Load Reducing Generator and a dedicated feeder for National Grid.

**CITY OF TAUNTON, MASSACHUSETTS
MUNICIPAL LIGHTING PLANT
(AN ENTERPRISE FUND)
MANAGEMENT'S DISCUSSION AND ANALYSIS**

There was an increase in net utility plant in service of \$1,319,000 for 2016. This increase is the difference between the current year additions of \$8.9 million and the annual depreciation (3% of depreciable gross plant) expense of \$7.6 million. Additions to plant consisted principally of approximately \$1.2 million in production and transmission plant, \$6.4 million in distribution plant and \$1.3 million in general plant. Major items capitalized include a Substation Upgrade, and Generator Control System.

Debt Administration

The Plant issued bonds totaling \$10,113,715 (including premium of \$1,038,215) on September 28, 2017. These general obligation bonds are guaranteed in full faith and credit of the City of Taunton. Additional information on the Plant's debt obligations can be found in Note E (pages 27-28) to the financial statements.

Significant Balances and Transactions:

Depreciation Fund

The Plant maintains this fund to pay for capital investments and improvements. These capital items are paid from the operating fund, which is then replenished by funds transferred from the depreciation fund. The depreciation fund is required by state statute. The Light Plant must set aside 3% of its gross depreciable plant annually to be used principally for capital expenditures. Interest earned on the account is kept in the fund.

Sick Leave Trust Fund

The Plant maintains a fully funded Sick Leave Trust Fund ("Trust") for the financing of future sick leave payments. It is the Plant's intention that the Trust be funded to the extent of the Plant's sick leave liability and that future sick leave expense will be paid by the Trust.

Pension Plans

The employees of the Light Plant participate in the City of Taunton Retirement System. In addition to investments made by the System, a separate fiduciary fund (plant retirement trust) has been established by the Plant to provide funding of the Plant's past unfunded service costs. Each year the Light Plant is assessed by the City for its share of such pension costs.

Customer Deposits

The Plant collects deposits from residential and commercial accounts when they come into the system. Deposits can be refunded when a customer has demonstrated a good credit history or upon leaving the system. Interest is paid for as long as the Plant holds the deposit.

Request for Information:

This financial report is designed to provide a general overview of the City of Taunton, Massachusetts, Municipal Lighting Plant's finances for all those with an interest in the Plant's finances. Questions concerning any of the information provided in this report or request for additional information should be addressed to the Office of the Business Manager, 55 Weir Street, Taunton, MA 02780.

TAUNTON MUNICIPAL LIGHTING PLANT

STATEMENTS OF NET POSITION

DECEMBER 31, 2017 AND 2016

Assets

	2017	2016
Utility Plant - at Cost		
Plant in service	\$ 254,530,527	\$ 247,584,923
Less: Accumulated depreciation	165,753,120	158,371,262
Net Utility Plant in Service	88,777,407	89,213,661
Investment in Seabrook	291,252	277,471
Construction work in progress	16,431,802	8,726,719
Total Utility Plant	105,500,461	98,217,851
Other Assets		
Depreciation - designated funds	13,208,818	5,597,455
Rate stabilization - designated funds	6,000,000	6,000,000
Sick leave fund	14,558,170	12,337,690
Sick leave annuities	4,649,559	4,567,867
Plant employees' retirement fund	11,196,054	9,484,494
Other post - employment benefits fund	507,624	506,590
Investment in Hydro Quebec Project	148,663	148,663
Investment in Energy New England LLC	1,541,470	1,246,932
Total Other Assets	51,810,358	39,889,691
Current Assets		
Cash	21,475,904	22,328,016
Customer deposits	1,792,671	1,707,735
Accounts receivable, less allowance for doubtful accounts of \$1,728,704 and \$1,711,531 in 2017 and 2016, respectively	7,174,570	7,025,039
Accounts receivable - internet services	80,749	100,772
Materials and supplies inventory	5,253,121	5,634,460
Prepaid expenses	1,881,002	1,189,555
Total Current Assets	37,658,017	37,985,577
Total Assets	194,968,836	176,093,119
Deferred Outflows of Resources		
Deferred outflows for pensions	8,960,013	9,002,763
Total Assets and Deferred Outflows of Resources	\$ 203,928,849	\$ 185,095,882

The accompanying notes are an integral part of these financial statements.

TAUNTON MUNICIPAL LIGHTING PLANT

STATEMENTS OF NET POSITION (CONTINUED)

DECEMBER 31, 2017 AND 2016

Liabilities, Deferred Inflows of Resources and Net Position

	2017	2016
Net Position		
Net Investment in capital assets	\$ 90,871,746	\$ 92,607,851
Restricted for depreciation	13,208,818	5,597,455
Restricted for pensions	11,196,054	9,484,494
Unrestricted net position	6,294,423	2,182,454
Total Net Position	121,571,041	109,872,254
Non-Current Liabilities		
Bonds payable and bonds premium- excluding current portion	12,878,215	4,515,000
Sick leave - excluding current portion	5,247,433	7,210,188
Sick leave annuities - obligation	4,649,559	4,567,867
Accrued vacation - excluding current portion	345,454	306,550
Other post - employment benefits obligation	10,379,865	9,618,882
Net pension liability	22,649,304	23,420,399
Total Non-Current Liabilities	56,149,830	49,638,886
Current Liabilities		
Bonds payable - current portion	1,750,500	1,095,000
Bond anticipation note	--	1,200,000
Accounts payable	5,271,602	5,419,509
Customer deposits	2,263,541	2,177,762
Accrued liabilities:		
Vacation - current portion	1,110,304	1,091,830
Sick leave - current portion	282,091	253,375
Interest	112,584	34,636
Payroll	345,497	311,857
Other	92,614	126,261
Total Current Liabilities	11,228,733	11,710,230
Total Liabilities	67,378,563	61,349,116
Deferred Inflows of Resources		
Rate stabilization	6,000,000	6,000,000
Deferred inflows for pensions	5,998,058	7,874,512
Contribution in aid of construction	2,981,187	--
Total Deferred Inflows of Resources	14,979,245	13,874,512
Total Liabilities, Deferred Inflows of Resources and Net Position	\$ 203,928,849	\$ 185,095,882

The accompanying notes are an integral part of these financial statements.

TAUNTON MUNICIPAL LIGHTING PLANT

STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

	2017	2016
Operating Revenues		
Sales of Electricity		
Commercial and industrial	\$ 51,378,585	\$ 51,802,590
Residential	41,078,986	41,535,130
Sales for resale	1,987,659	1,908,898
Municipal	4,610,589	4,815,781
Discounts given	<u>(2,864,674)</u>	<u>(2,855,368)</u>
Total Sales of Electricity	96,191,145	97,207,031
Other Operating Revenues	<u>582,011</u>	<u>684,509</u>
Total Operating Revenues	<u>96,773,156</u>	<u>97,891,540</u>
Operating Expenses		
Power production and purchases	47,985,605	46,128,004
Transmission and distribution	18,936,696	18,216,678
Customer accounting	3,811,129	3,904,722
Administrative and general	7,548,893	6,138,438
Depreciation and amortization	7,835,161	7,570,146
Nuclear expense	<u>333,977</u>	<u>295,377</u>
Total Operating Expenses	<u>86,451,461</u>	<u>82,253,365</u>
Earnings from Operations	<u>10,321,695</u>	<u>15,638,175</u>
Other Income (Expenses)		
Interest expense	(281,178)	(183,909)
Interest income	25,053	8,430
Internet income, net	442,897	141,389
Loss on disposal of nonutility property	(23,581)	--
Investment income-sick leave fund	2,220,480	1,023,888
Investment income-retirement fund	1,711,560	798,050
Investment income other post - employment benefits fund	1,034	6,590
Bond issuance costs	(113,715)	--
Other income (expenses)	<u>294,542</u>	<u>136,545</u>
Total Other Income	<u>4,277,092</u>	<u>1,930,983</u>
Net Income Before Transfers	<u>14,598,787</u>	<u>17,569,158</u>
Transfers Out		
Payment in lieu of taxes	<u>(2,900,000)</u>	<u>(2,900,000)</u>
Change in Net Position	11,698,787	14,669,158
Net Position - Beginning	<u>109,872,254</u>	<u>95,203,096</u>
Net Position - Ending	<u>\$ 121,571,041</u>	<u>\$ 109,872,254</u>

The accompanying notes are an integral part of these financial statements.

TAUNTON MUNICIPAL LIGHTING PLANT

STATEMENTS OF CASH FLOWS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

	<u>2017</u>	<u>2016</u>
Cash Flows from Operating Activities		
Cash received from customers	\$ 98,153,062	\$ 99,517,302
Cash payments to suppliers and employees	<u>(84,468,190)</u>	<u>(76,474,186)</u>
Net Cash Provided by Operating Activities	<u>13,684,872</u>	<u>23,043,116</u>
Cash Flows from Non-Capital Financing Activities:		
Payment to City in lieu of taxes	(2,900,000)	(2,900,000)
Transfer from the sick leave fund	<u>--</u>	<u>1,000,000</u>
Net Cash Used in Non-Capital Financing Activities	<u>(2,900,000)</u>	<u>(1,900,000)</u>
Cash Flows from Capital and Related Financing Activities		
Additions to utility plant, including construction in process	(12,146,381)	(9,369,312)
Proceeds from bond anticipation notes	--	1,200,000
Proceeds from bond issuance	10,113,715	
Principal paid on bonds and anticipation notes	(2,295,000)	(1,095,000)
Bond issuance costs	(113,715)	
Interest paid on bonds	<u>(203,217)</u>	<u>(188,369)</u>
Net Cash Used in Capital and Related Financing Activities	<u>(4,644,598)</u>	<u>(9,452,681)</u>
Cash Flows from Investing Activities		
Interest and dividend income	26,087	15,020
Investment income - sick leave fund	388,433	609,532
Investment income - retirement fund	<u>289,393</u>	<u>375,827</u>
Net Cash Provided by Investing Activities	<u>703,913</u>	<u>1,000,379</u>
Net Increase in Cash and Cash Equivalents	6,844,187	12,690,814
Cash and Cash Equivalents - Beginning of Year	<u>35,633,206</u>	<u>22,942,392</u>
Cash and Cash Equivalents - End of Year (Note D)	<u>\$ 42,477,393</u>	<u>\$ 35,633,206</u>

The accompanying notes are an integral part of these financial statements.

TAUNTON MUNICIPAL LIGHTING PLANT

STATEMENTS OF CASH FLOWS (CONTINUED)

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

	2017	2016
Reconciliation of Operating Income to Net Cash		
Provided by Operating Activities		
Operating income	\$ 10,321,695	\$ 15,638,175
Adjustments to reconcile operating income to net cash provided by operating activities:		
Internet income, net	442,897	141,389
Investment losses (income) on investments in associated companies	(13,781)	7,236
Depreciation and amortization	7,835,161	7,570,146
Changes in assets and liabilities:		
(Increase) decrease in accounts receivable	(129,508)	200,804
Increase in sick leave fund	(388,433)	(609,532)
Increase in retirement fund	(289,393)	(375,827)
Increase in other post - employment benefits fund	(1,034)	(506,590)
(Increase) decrease in prepaid expenses	(691,447)	746,645
(Increase) decrease in deferred outflows of resources	42,750	(4,028,011)
Decrease in materials and supplies inventory	381,339	106,120
(Decrease) increase in deferred inflows of resources	(1,876,454)	7,874,512
Increase in other postemployment benefits obligation	760,983	762,012
Decrease in net pension liability	(771,095)	(4,839,488)
(Decrease) increase in accounts payable	(147,907)	204,428
Increase in customer deposits	85,779	99,808
Decrease in sick leave liability	(1,934,039)	(64,047)
Increase in accrued liabilities	57,359	115,336
Total Adjustments	3,363,177	7,404,941
Net Cash Provided by Operating Activities	\$ 13,684,872	\$ 23,043,116
Non-Cash Investing Activities:		
Change in the fair value of investments-sick leave fund	\$ 1,832,047	\$ (585,644)
Change in the fair value of investments-retirement fund	\$ 1,422,167	\$ 422,223

The accompanying notes are an integral part of these financial statements.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE A – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

NATURE OF OPERATIONS

The Plant is a regulated municipal electric utility located in Taunton, Massachusetts. The Plant is a component unit of the City of Taunton, Massachusetts, and produces, purchases and distributes electricity to approximately 37,000 customers in the City of Taunton and the surrounding areas. The Plant also operates an internet access business unit and provides services to approximately 460 customers.

Enterprise funds are used to account for operations (a) that are financed and operated in a manner similar to private business enterprises where the intent of the governing body is that the costs (including depreciation) of providing goods and services to the general public on a continuing basis be financed or recovered primarily through user charges; or (b) where the governing body has decided that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control, accountability, or other purposes.

These financial statements present only the financial position, results of operations, and cash flows of the Plant and do not present the financial position, results of operations, and cash flows of the City of Taunton as a whole.

BASIS OF ACCOUNTING

The Plant presents its financial statements on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America promulgated by the Governmental Accounting Standards Board (GASB). Under the accrual basis revenues are recognized when earned and expenses when the related liability for goods and services is incurred regardless of the timing of cash flows.

USE OF ESTIMATES

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

RATES

The Plant is under the charge and control of the Municipal Lighting Plant Commissioners in accordance with Chapter 164, Section 55, of the General Laws of the Commonwealth of Massachusetts. Electric power is both produced and purchased and is distributed to customers within their service area.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE A – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

RATES (CONTINUED)

The rates charged by the Plant to its customers are filed with the Department of Public Utilities (DPU) and are subject to Chapter 164, Section 58, of the General Laws, which provides that prices shall be fixed to yield not more than 8% per annum on the cost of the plant after repayment of operating expenses, interest on outstanding debt, the requirements of any serial debt and depreciation.

The Plant's rates include a Purchased Power Cost Adjustment (“PPCA”) which allows an adjustment of rates charged to customers in order to recover all changes in power costs from stipulated base costs. The PPCA provides for a quarterly reconciliation of total power costs billed with the actual cost of power incurred.

DEFERRED OUTFLOWS / INFLOWS OF RESOURCES

In addition to assets, the statement of financial position can report a separate section for deferred outflows of resources. This separate section represents a consumption of net position that applies to a future period and so will not be recognized as an outflow of resources (expense) until that later date. At December 31, 2017 and 2016, there was \$8,960,013 and \$9,002,763, respectively in deferred outflows of resources related to the pension plan.

In addition to liabilities, the statement of financial position can report a separate section for deferred inflows of resources. This separate section represents the acquisition of net position that applies to a future period and therefore will not be recognized as an inflow of resources (revenue) until a later date. At December 31, 2017 and 2016, there was \$6,000,000 in deferred inflows related to a rate stabilization adjustment. The Plant also reports a deferred inflow of resources related to pension plan. At December 31, 2017 and 2016, there was \$5,998,058 and \$7,874,512, respectively, in deferred inflows due to changes of assumptions related to the pension plan. A deferred inflow of resources related to pension results from differences between expected and actual experience, changes in assumptions or other inputs. These amounts are deferred and include in pension expense in a systematic and rational manner over a period equal to the average of the expected remaining service lives of all employees that are provided with benefits through the pension plan (active employees and inactive employees). Additionally at December 31, 2017 and 2016, there was \$2,981,187 and \$0, respectively in deferred inflows due to contribution in aid of construction.

UTILITY PLANT

The provision for depreciation of the utility plant was computed in 2017 and 2016 at 3% of the cost of plant in service at the beginning of the year, exclusive of land and land rights. No depreciation is taken in the year of plant additions and a full year's depreciation is taken in the year of disposal.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE A – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

UTILITY PLANT (CONTINUED)

Massachusetts law stipulates that the Plant may change its depreciation rate from the statutory 3% only with the approval of the DPU. Depreciation designated cash is used in accordance with state laws for replacements, enlargements and additions to the utility plant in service. The Plant capitalizes individual purchases of \$3,000 or more and groups of purchases of similar items of \$5,000 or more. Office furniture purchased for more than \$1,000 or office equipment, meters, transformers and vehicles purchased for more than \$500 are capitalized.

INVESTMENT IN SEABROOK

The Plant's Investment in Seabrook Plant represents a 0.10034% joint ownership share. The Plant records annual depreciation computed at 4% of the initial investment in Seabrook. The Plant's percentage share of new plant additions are capitalized and their share of operating and maintenance expenses, and decommissioning expenses (see Note C) are charged against earnings.

SICK LEAVE FUND

The Plant maintains a fully funded Sick Leave Fund for the financing of future sick leave payments. It is the Plant's intention that the Sick Leave Fund be funded to the extent of the Plant's sick leave liability and that future sick leave expense will be paid by the Sick Leave Fund. The assets of the Sick Leave Fund are shown in the financial statements to provide a more meaningful presentation, as the assets of the Sick Leave Fund are for the sole purpose of satisfying a liability of the Plant.

PLANT EMPLOYEES' RETIREMENT FUND

The Plant has established a separate Employees Retirement Fund for the financing of future contributions to the City's pension plan (see Note G).

CASH EQUIVALENTS

For purposes of the Statement of Cash Flows, the Plant considers all deposits with original maturities of three months or less when purchased to be cash equivalents.

INVESTMENTS

The Plant invests in various types of investments, which are stated at fair value in the statement of net position, based on quotations from applicable national securities exchanges. Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE A – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

INVESTMENTS (CONTINUED)

Realized gains and losses, as well as changes in value of the invested funds, are included in the statement of revenues, expenses and changes in net position. The Plant investments are held in the Sick Leave Fund and Plant Employees' Retirement Fund. Investment securities, in general, are exposed to various risks, such as interest rate, credit and overall market volatility. Due to the level of risks associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such change could materially affect the amounts reported in the statements of net position and activities.

ACCOUNTS RECEIVABLE

The Plant carries its accounts receivable at net realizable value by way of an allowance for doubtful accounts. Collectability of receivables is determined based on historical write offs and collections, on knowledge of specific large accounts, and on current economic conditions.

REVENUE RECOGNITION

The Plant revenues are based on rates established by the Plant as authorized by the Board of Commissioners and filed with the Massachusetts Department of Public Utilities. Revenues from sales of electricity are recorded on the basis of bills rendered from monthly meter readings taken on a cycle basis. Revenues are stated net of discounts and any related bad debts.

MATERIAL AND SUPPLIES INVENTORY

Materials and supplies inventory is carried at cost, principally on the average cost method. The cost of inventory is expensed when consumed rather than purchased.

PENSION PLAN

Substantially all employees of the Plant are covered by a contributory defined benefit pension plan administered by the City of Taunton in conformity with State Retirement Board requirements (see Note G).

TAXES

The Plant is exempt from federal and state income taxes as well as local property taxes. The Plant pays an amount to the City of Taunton in lieu of taxes. The amount is voted annually by the Municipal Lighting Commission.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE A – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

OPERATING REVENUES AND EXPENSES

The Plant distinguishes operating revenues and expenses from non-operating. Operating revenues result from charges to customers for electricity and related services. Operating expenses include the cost of operations, maintenance, sales and service, administrative expenses and depreciation. All revenues and expenses not meeting this definition are reported as other income and expenses.

RESTRICTED VERSUS UNRESTRICTED RESOURCES

When both restricted and unrestricted amounts are available for use, the Plant's practice is to use restricted resources first.

PREPAID EXPENSES

Certain payments to vendors reflect costs applicable to future accounting periods and are reflected as prepaid expenses. Prepaid expenses are expensed when consumed rather than purchased.

NOTE B – PLANT IN SERVICE

Plant in service activity for the year ended December 31, 2017 was as follows:

	Beginning Balance	Additions	Retirements & Adjustments	Ending Balance
Production	\$ 95,952,652	\$ 1,541,460	\$ --	\$ 97,494,112
Transmission	7,574,894	88,073	--	7,662,967
Distribution	104,181,112	4,099,042	--	108,280,154
General	<u>39,876,265</u>	<u>1,688,237</u>	<u>(471,208)</u>	<u>41,093,294</u>
Total Plant in Service	<u>247,584,923</u>	<u>7,416,812</u>	<u>(471,208)</u>	<u>254,530,527</u>
Less Accumulated Depreciation for:				
Production	68,687,773	2,202,881	--	70,890,654
Transmission	7,004,177	22,733	--	7,026,910
Distribution	59,822,412	3,054,371	--	62,876,783
General	<u>22,856,900</u>	<u>2,549,500</u>	<u>(447,627)</u>	<u>24,958,773</u>
Total Accumulated Depreciation	<u>158,371,262</u>	<u>7,829,485</u>	<u>(447,627)</u>	<u>165,753,120</u>
Net Utility Plant in Service	<u>\$ 89,213,661</u>	<u>\$ (412,673)</u>	<u>\$ (23,581)</u>	<u>\$ 88,777,407</u>

Depreciation expense for utility plant in service of \$7,829,485 and for the investment in Seabrook of \$5,676 was charged to operating expenses for the year ended December 31, 2017.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE B – PLANT IN SERVICE (CONTINUED)

Plant in service activity for the year ended December 31, 2016 was as follows:

	Beginning Balance	Additions	Retirements & Adjustments	Ending Balance
Production	\$ 94,817,508	\$ 1,135,144	\$ --	\$ 95,952,652
Transmission	7,533,812	41,082	--	7,574,894
Distribution	97,743,460	6,437,652	--	104,181,112
General	<u>38,610,310</u>	<u>1,269,065</u>	<u>(3,110)</u>	<u>39,876,265</u>
Total plant in service	<u>238,705,090</u>	<u>8,882,943</u>	<u>(3,110)</u>	<u>247,584,923</u>
Less Accumulated Depreciation for:				
Production	66,513,907	2,173,866	--	68,687,773
Transmission	6,983,096	21,081	--	7,004,177
Distribution	56,967,241	2,855,171	--	59,822,412
General	<u>20,345,994</u>	<u>2,513,456</u>	<u>(2,550)</u>	<u>22,856,900</u>
Total Accumulated Depreciation	<u>150,810,238</u>	<u>7,563,574</u>	<u>(2,550)</u>	<u>158,371,262</u>
Net Utility Plant in Service	<u>\$ 87,894,852</u>	<u>\$ 1,319,369</u>	<u>\$ (560)</u>	<u>\$ 89,213,661</u>

Depreciation expense for utility plant in service of \$7,563,574 and for the investment in Seabrook of \$6,572 was charged to operating expenses for the year ended December 31, 2016.

NOTE C – INVESTMENTS

SEABROOK

The Plant is a 0.10034% joint owner of the Seabrook New Hampshire Unit 1.

The joint owners of Seabrook have established a Decommissioning Fund that is currently held by a Trustee. The Plant's share of the estimated decommissioning liability is approximately \$1,240,000 as of December 31, 2017 (the most current valuation date).

Each joint owner is required to make monthly payments into the Nuclear Decommissioning Financing Fund in accordance with the Decommissioning Fund Funding Schedule. The cost is included in nuclear expense on the statement of revenues, expenses and changes in net position as it is paid. No payments into the Nuclear Decommissioning Financing Fund were required for the year ended December 31, 2017.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE C – INVESTMENTS (CONTINUED)

ENERGY NEW ENGLAND

Energy New England, LLC (“ENE”) is an energy services company established to assist publicly owned entities to ensure their continued viability in the deregulated wholesale electric utility markets and to strengthen their competitive position in the retail energy market for the benefit of the municipal entities. ENE functions as an autonomous, entrepreneurial business unit that is free from many of the constraints imposed on traditional municipal utility operations. The Plant owns a 36.35% interest in ENE. Each of the six members has one seat on the Board of Directors along with three outside Directors. The Plant's initial investment in the company in 1998 was \$500,000. The Plant records this investment under the equity method.

Included in other income is approximately \$294,538 and \$137,104 of gains for the years December 31, 2017 and 2016, respectively, representing the Plant's share of ENE's results of operations.

HYDRO QUEBEC ELECTRIC COMPANY

In 1988, the Plant entered into an agreement with the Massachusetts Municipal Wholesale Electric Company and other New England Utilities and Hydro-Quebec Electric Corporation (“Hydro Quebec”). In connection with the agreement, the Plant advanced approximately \$800,000 toward development of the project of which approximately \$450,000 was returned after the project obtained financing. In 1991, the Hydro Quebec project was completed. Upon completion of this project, each participant received stock in the New England Hydro Transmission Electric Company and the New England Hydro Transmission Corporation proportional to their advances. The investment is being accounted for on the cost basis. The stock received is not readily marketable, but gives the holder rights to purchase power at a percentage of the fossil fuel rate. During the years ended December 31, 2017 and 2016, the Plant received no dividends from the two companies.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE C – INVESTMENTS (CONTINUED)

SICK LEAVE FUND AND PLANT EMPLOYEES' RETIREMENT FUND INVESTMENTS

In determining fair value, the Plant uses various valuation approaches, as appropriate in the circumstances. GASB Statement No. 72 establishes a fair value hierarchy for inputs used in measuring fair value that maximizes the use of observable inputs and minimizes the use of unobservable inputs by requiring that the most observable inputs be used when available. The fair value hierarchy is categorized into three levels based on the inputs as follows:

Level 1 – Unadjusted quoted priced in active markets that are accessible at the measurement date for identical assets or liabilities.

Level 2 – Inputs other than quoted prices in active markets for identical assets and liabilities that are observable either directly or indirectly for substantially the full term of the asset or liability.

Level 3 – Unobservable inputs for the asset or liability (supported by little or no market activity). Inputs include management's own assumption about the assumptions that market participants would use in pricing the asset or liability (including assumptions about risk).

The following is a description of the valuation methodologies used for assets and liabilities measured at fair value:

Domestic Equities (excluding mutual funds): Valued using prices quoted in active markets for those securities.

Mutual funds: Valued at the daily closing price as reported by the fund. Mutual funds held by the Plant are open-ended mutual funds that are registered with the Securities and Exchange Commission. These funds are required to publish their daily net asset value (NAV) and to transact at that price. The mutual funds held by the Plant are deemed to be actively traded.

Fixed income securities: Valued using active market quotations or prices obtained from independent pricing sources which may employ various pricing methods to value the investments, including matrix pricing based on quoted prices for securities with similar coupons, ratings and maturities. Accordingly, this class of investments is rated within Levels 1 and 2 of hierarchy.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE C – INVESTMENTS (CONTINUED)

SICK LEAVE FUND AND PLANT EMPLOYEES' RETIREMENT FUND INVESTMENTS (CONTINUED)

Financial assets and liabilities carried at fair value as of December 31, 2017 are classified in the following tables in one of the three categories described above:

Sick Leave Fund				
Description	Level 1	Level 2	Level 3	Fair Value
Domestic Equities (excluding mutual funds)	\$ 5,594,369	\$ --	\$ --	\$ 5,594,369
Mutual Funds				
Domestic Equity	4,521,263	--	--	4,521,263
Domestic Fixed Income	686,569	--	--	686,569
International Fixed Income	698,085	--	--	698,085
Fixed Income Securities (excluding mutual funds)	485,794	2,100,756	--	2,586,550
	\$ 11,986,080	\$ 2,100,756	\$ --	14,086,836
Cash and cash equivalents				471,334
Total sick leave fund				\$ 14,558,170

Plant Employees' Retirement Fund				
Description	Level 1	Level 2	Level 3	Fair Value
Domestic Equities (excluding mutual funds)	\$ 4,352,744	\$ --	\$ --	\$ 4,352,744
Mutual Funds				
Domestic Equity	3,476,055	--	--	3,476,055
Domestic Fixed Income	527,376	--	--	527,376
International Fixed Income	537,176	--	--	537,176
Fixed Income Securities (excluding mutual funds)	312,391	1,670,613	--	1,983,004
	\$ 9,205,742	\$ 1,670,613	\$ --	10,876,355
Cash and cash equivalents				319,699
Total Plant employees' retirement fund				\$ 11,196,054

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE C – INVESTMENTS (CONTINUED)

SICK LEAVE FUND AND PLANT EMPLOYEES’ RETIREMENT FUND INVESTMENTS (CONTINUED)

Financial assets and liabilities carried at fair value as of December 31, 2016 are classified in the following tables in one of the three categories described above:

Sick Leave Fund				
Description	Level 1	Level 2	Level 3	Fair Value
Domestic Equities (excluding mutual funds)	\$ 4,788,038	\$ --	\$ --	\$ 4,788,038
Mutual Funds				
Domestic Equity	3,822,163	--	--	3,822,163
Domestic Fixed Income	623,308	--	--	623,308
International Fixed Income	622,434	--	--	622,434
Fixed Income Securities (excluding mutual funds)	468,198	1,875,401	--	2,343,599
	\$ 10,324,141	\$ 1,875,401	\$ --	12,199,542
Cash and cash equivalents				138,148
Total sick leave fund				\$ 12,337,690

Plant Employees’ Retirement Fund				
Description	Level 1	Level 2	Level 3	Fair Value
Domestic Equities (excluding mutual funds)	\$ 3,703,754	\$ --	\$ --	\$ 3,703,754
Mutual Funds				
Domestic Equity	2,966,722	--	--	2,966,722
Domestic Fixed Income	475,243	--	--	475,243
International Fixed Income	453,856	--	--	453,856
Fixed Income Securities (excluding mutual funds)	334,417	1,448,940	--	1,783,357
	\$ 7,933,992	\$ 1,448,940	\$ --	9,382,932
Cash and cash equivalents				101,562
Total Plant employees’ retirement fund				\$ 9,484,494

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE C – INVESTMENTS (CONTINUED)

***SICK LEAVE FUND AND PLANT EMPLOYEES’ RETIREMENT FUND INVESTMENTS
(CONTINUED)***

The following are maturities of the Plant’s debt related securities, as of December 31, 2017:

Type of Investment	Sick Leave Fund			
	Fair Value	0-3 Years	3-5 Years	Over 5 Years
Fixed Income Securities	<u>\$ 2,586,550</u>	<u>\$ 537,725</u>	<u>\$ 461,898</u>	<u>\$ 1,586,927</u>

Type of Investment	Plant Employees’ Retirement Fund			
	Fair Value	0-3 Years	3-5 Years	Over 5 Years
Fixed Income Securities	<u>\$ 1,983,004</u>	<u>\$ 397,903</u>	<u>\$ 333,712</u>	<u>\$ 1,251,389</u>

The following are maturities of the Plant’s debt related securities, as of December 31, 2016:

Type of Investment	Sick Leave Fund			
	Fair Value	0-3 Years	3-5 Years	Over 5 Years
Fixed Income Securities	<u>\$ 2,343,599</u>	<u>\$ 498,952</u>	<u>\$ 454,658</u>	<u>\$ 1,389,989</u>

Type of Investment	Plant Employees’ Retirement Fund			
	Fair Value	0-3 Years	3-5 Years	Over 5 Years
Fixed Income Securities	<u>\$ 1,783,357</u>	<u>\$ 395,727</u>	<u>\$ 301,744</u>	<u>\$ 1,085,886</u>

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE C – INVESTMENTS (CONTINUED)

SICK LEAVE FUND AND PLANT EMPLOYEES' RETIREMENT FUND INVESTMENTS (CONTINUED)

Average ratings of the investments comprising the debt related securities above, as determined by Standards & Poor's as of December 31, 2017 are as follows:

	Sick Leave Fund	Plant Employees' Retirement Fund
	Fixed Income Securities	
United States Treasury	\$ 754,525	\$ 526,124
Government Agencies	814,064	649,268
AAA	253,241	205,818
AA	36,130	35,945
A	148,142	115,965
BBB	575,551	445,976
CCC	4,897	3,908
Total	\$ 2,586,550	\$ 1,983,004

Average ratings of the investments comprising the debt related securities above, as determined by Standards & Poor's as of December 31, 2016 are as follows:

	Sick Leave Fund	Plant Employees' Retirement Fund
	Fixed Income Securities	
United States Treasury	\$ 529,653	\$ 395,823
Government Agencies	732,843	558,868
AAA	222,173	183,220
AA	64,215	48,814
A	228,735	175,186
BBB	561,058	417,493
B	4,922	3,953
Total	\$ 2,343,599	\$ 1,783,357

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE C – INVESTMENTS (CONTINUED)

SICK LEAVE FUND AND PLANT EMPLOYEES' RETIREMENT FUND INVESTMENTS (CONTINUED)

Concentrations

At December 31, 2017 and 2016, the Plant had a diversified portfolio in its Sick Leave and Plant Employees' Retirement Funds were invested in various mutual funds and fixed income securities, as detailed above.

Interest Rate Risk

Certain of the Plant's investments are held in mutual funds which do not bear specified interest rates. The rate of return on these investments is dependent on the operating results of the entities included in the portfolio of the mutual funds as well as overall economic conditions.

Custodial Credit Risk

The Plant does not have a formal policy with respect to custodial credit risk. Custodial credit risk is the risk that, in the event of the failure of the counterparty, the Plant will not be able to recover the value of its investment or collateral securities that are in the possession of an outside party. The Plant does not believe that it has a significant custodial credit risk as all the investments are registered and held in the name of the Plant.

NOTE D – CASH AND CASH EQUIVALENTS

The Plant's cash is primarily deposited with the City of Taunton Treasurer who commingles it with other City funds. Accordingly, it is not practical to disclose the related bank balance and credit risk of such cash deposits for the Plant. Funds on deposit with financial institutions are subject to the insurance coverage limits imposed by the Federal Deposit Insurance Corporation (FDIC). The amount of insurance coverage for the Plant's deposits is not determinable because the limits of insurance are computed on a City-wide basis.

The City invests the cash and credits the Plant each year with interest earned on the cash deposits.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE D – CASH AND CASH EQUIVALENTS (CONTINUED)

Cash and cash equivalents consist of the following at December 31, 2017 and 2016:

	2017	2016
Cash - operating	\$ 19,925,367	\$ 20,025,878
Customer deposits	1,792,671	1,707,735
Depreciation - designated funds	13,208,818	5,597,455
Rate stabilization - designated funds	<u>6,000,000</u>	<u>6,000,000</u>
Cash Deposited with City of Taunton	40,926,856	33,331,068
Cash Deposited with Energy New England LLC	<u>1,550,537</u>	<u>2,302,138</u>
	<u>\$ 42,477,393</u>	<u>\$ 35,633,206</u>

Cash, and cash equivalents at December 31 are reflected on the statements of net position as follows:

	2017	2016
Cash	\$ 21,475,904	\$ 22,328,016
Customer deposits	1,792,671	1,707,735
Depreciation - designated funds	13,208,818	5,597,455
Rate stabilization - designated funds	<u>6,000,000</u>	<u>6,000,000</u>
	<u>\$ 42,477,393</u>	<u>\$ 35,633,206</u>

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE E – SHORT -TERM AND LONG-TERM DEBT

LONG-TERM DEBT OUTSTANDING AND ACTIVITY

Long-term debt consists of the following:

	2017	2016
\$7,250,000 general obligation bonds, issued June 15, 2010, with interest rates ranging from 2.5% to 4% and annual principal and semi-annual interest payments through June 1, 2020.	\$ 2,175,000	\$ 2,900,000
\$2,251,000 general obligation bond, issued September 26, 2013, with interest rates ranging from 2% to 3% and annual principal and semi-annual interest payments through September 1, 2023.	1,350,000	1,575,000
\$1,425,000 general obligation bond, issued May 22, 2014, with interest rates ranging from 2% to 4% and annual principal and semi-annual interest payments through March 1, 2024.	990,000	1,135,000
\$9,075,500 general obligation bonds, issued September 28, 2017, with interest rates ranging from 2% to 5% and annual principal and semi-annual interest payments through September 15, 2037.	9,075,500	--
Bond premiums	1,038,215	--
Balance of long-term debt, Ending	14,628,715	5,610,000
Less: current installments of long-term debt	(1,750,500)	(1,095,000)
Long-term debt, excluding current installments	<u>\$ 12,878,215</u>	<u>\$ 4,515,000</u>

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE E – SHORT -TERM AND LONG-TERM DEBT (CONTINUED)

LONG-TERM DEBT OUTSTANDING AND ACTIVITY (CONTINUED)

The future payments on the long-term debt are as follows:

Year	Principal	Interest	Total
2018	\$ 1,750,500	\$ 486,679	\$ 2,237,179
2019	1,735,000	440,037	2,175,037
2020	1,730,000	372,470	2,102,470
2021	1,005,000	319,469	1,324,469
2022	1,000,000	276,519	1,276,519
2023-2037	<u>6,370,000</u>	<u>1,267,644</u>	<u>7,637,644</u>
	13,590,500	<u>\$ 3,162,818</u>	<u>\$ 16,753,318</u>
Add bond premiums	<u>1,038,215</u>		
Total	<u>\$ 14,628,715</u>		

These general obligation bonds are guaranteed by the full faith and credit of the City of Taunton.

Long-term debt activity for the years ended December 31, 2017 and 2016 were as follows:

Description	2017				
	Outstanding	Additions	Retirements	Outstanding	Due Within
	December 31, 2016			December 31, 2017	One Year
General obligation bonds	\$ 5,610,000	\$ 9,075,500	\$ (1,095,000)	\$ 13,590,500	\$ 1,750,500
Bond Premium	--	1,038,215	--	1,038,215	20,163
Compensated absences	8,861,943	(484,266)	(1,392,395)	6,985,282	1,392,395
Other post - employment benefits obligation	9,618,882	2,285,112	(1,524,129)	10,379,865	--
Net pension liability	23,420,399	9,584,797	(10,355,892)	22,649,304	--
Sick leave annuities - obligation	<u>4,567,867</u>	<u>81,692</u>	<u>--</u>	<u>4,649,559</u>	<u>--</u>
Long-Term Liabilities	<u>\$ 52,079,091</u>	<u>\$ 21,581,050</u>	<u>\$ (14,367,416)</u>	<u>\$ 59,292,725</u>	<u>\$ 3,163,058</u>
Description	2016				
	Outstanding	Additions	Retirements	Outstanding	Due Within
	December 31, 2015			December 31, 2016	One Year
General obligation bonds	\$ 6,705,000	\$ --	\$ (1,095,000)	\$ 5,610,000	\$ 1,095,000
Compensated absences	8,902,286	1,304,862	(1,345,205)	8,861,943	1,345,205
Other post - employment benefits obligation	8,856,870	762,012	--	9,618,882	--
Net pension liability	28,259,887	11,337,465	(16,176,953)	23,420,399	--
Sick leave annuities - obligation	<u>4,150,205</u>	<u>417,662</u>	<u>--</u>	<u>4,567,867</u>	<u>--</u>
Long-Term Liabilities	<u>\$ 56,874,248</u>	<u>\$ 13,822,001</u>	<u>\$ (18,617,158)</u>	<u>\$ 52,079,091</u>	<u>\$ 2,440,205</u>

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE F – COMMITMENTS AND CONTINGENCIES

LITIGATION AND OTHER MATTERS

The Plant is involved in various legal matters incident to its business, none of which is believed by management to be significant to the financial condition or the results of operations of the Plant.

The Plant is also involved in proceedings relating to environmental matters. Although it is not possible to estimate the liability, if any, of the Plant related to these environmental matters, the Plant believes that these matters will not have a material adverse effect upon its financial condition or the results of operations.

The Plant has a program for insurance coverage provided by the Massachusetts Municipal Utility Self-Insurance Trust Fund ("Trust"). The insurance coverage provided by the Trust is in excess of a \$50,000 self-retention up to a maximum of \$500,000 per occurrence. Additionally, coverage for certain environmental claims is provided by the Trust through a separate policy for which the plant is responsible for a \$50,000 self-retention and the Trust covers the next \$50,000. Above this combined \$100,000 self-retention, the separate pollution liability policy provides coverage for certain claims up to \$1 million per occurrence and \$10 million aggregate. There have been no settlements exceeding the insurance coverage in the past three years.

OPTION CONTRACTS

The Plant manages risk associated with power supply commitments and excess capacity by entering into forward contracts for the purchase and sale of electricity and fuel in the normal course of business. It also uses put and call option contracts to reduce the price risk associated with its power supply portfolio.

Put and call options are reflected at fair value as determined by actively quoted prices and are recorded on the statement of net position with changes in fair value included in purchased power and transmission expense. No option contracts were open as of December 31, 2017 and 2016.

Forward contracts to purchase electricity and fuel at set prices and other contracts to sell electricity at fixed prices qualify for the normal purchases and sales exception and are not accounted for as derivatives.

The objectives of the Plant's risk management procedures for option contract and power and fuel purchase and sale forward contract activities are to optimize power supply resources, control costs, and manage price volatility to customers while avoiding speculative positions in the commodities markets.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE F – COMMITMENTS AND CONTINGENCIES (CONTINUED)

POWER CONTRACTS

The Plant has commitments under contracts for the purchase of electricity from various suppliers. These wholesale contracts are generally for fixed periods and require payment of demand and energy charges. The total costs under these contracts are included in purchased power in the statements of revenues, expenses and changes in net position and are normally recoverable in revenues under cost recovery mechanisms mandated by the Commonwealth of Massachusetts.

The status of these contracts is as follows:

Counter Party	Fuel	2017 KW Entitlements	Contract End Date	Estimated Annual Minimum Payments
NextEra Energy Power Marketing, LLC	Unspecified	10,000	2018	\$ 4,326,000
Shell Energy of North America (US), L.P	Unspecified	5,000-10,000	2017-2023	10,410,000
Exelon Generation Company, LLC	Unspecified	7,800	2020	3,093,000
Fortistar Methane Group-GRS Fall River	Methane	5,000	2020	1,850,000
EDF Trading North America, LLC	Unspecified	7,800	2018	3,801,000
MM Taunton Energy, LLC	Methane	1,630-1,900	2019	1,378,000
Seabrook Nuclear Power Plant	Nuclear	1,170	2022	565,000
New York Power Authority	Hydro	4,845	2025	1,073,000
Braintree Electric Light Department	Methane	10,000	2029	3,536,000
Brown Bear II Hydro, Inc.	Unspecified	2,700	2021	962,000

NOTE G – PENSION PLAN

DEFINED BENEFIT PLAN

The Plant contributes to the City of Taunton Retirement System (the "System"), a public employee retirement system that acts as the investment and administrative agent for the City. The System is a contributory cost-sharing multiple employer defined benefit plan. All full-time employees participate in the System.

Instituted in 1937, the System is a member of the Massachusetts Contributory System and is governed by Massachusetts General Laws Chapter 32. Membership in the System is mandatory upon the commencement of employment for all permanent, full-time employees.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE G – PENSION PLAN (CONTINUED)

DEFINED BENEFIT PLAN (CONTINUED)

The System provides for retirement allowance benefits up to a maximum of 80% of a member's highest three-year average annual rate of regular compensation. Benefit payments are based upon a member's age, length of creditable service, level of compensation and group classification.

Members of the System become vested after 10 years of creditable service. A retirement allowance may be received upon reaching age 65 or upon attaining twenty years of service. The System also provides for early retirement at age 55 if the participant (1) has a record of 10 years of creditable service, (2) was on the City's payroll on January 1, 1978, (3) voluntarily left City employment on or after that date, and (4) left accumulated annuity deductions in the fund. Active members contribute either 5%, 7%, 8%, 9% of their regular compensation or 2% of salary in excess of \$30,000, depending on the date upon which their membership began. The System also provides death and disability benefits.

The System assesses the City each fiscal year an amount determined in accordance with its current funding schedule. The City allocates a portion of its obligation to the Plant based on the relative number of participants and the amount of payroll. The Plant's contributions to the System for 2017, 2016 and 2015 were \$4,086,064, \$3,996,685 and \$3,913,709, respectively, and were equivalent to the required payments.

The current funding schedule includes the amount required to pay the employer normal cost (in addition to member contributions) plus the amortization of the prior unfunded actuarial accrued liability. The current funding schedule projects that the Plan will be fully funded in 2027. The funding schedule has been approved by the Public Employees Retirement Association.

At December 31, 2017, pension plan membership consisted of the following:

Inactive plan members or beneficiaries currently receiving benefits	167
Inactive members entitled to but not yet receiving benefits	4
Active plan members	<u>143</u>
Total	<u><u>314</u></u>

Copies of the System's audited financial statements can be obtained by writing to The City of Taunton Retirement System, 104 Dean Street, Suite 203, Taunton, MA 02780.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE G – PENSION PLAN (CONTINUED)

DEFINED BENEFIT PLAN (CONTINUED)

The Plan's investment policy in regard to the allocation of invested assets is established by the Retirement System Pension Board of Trustees. To diversify plan assets so as to minimize the risk associated with dependence of the success on one enterprise, the Board of Trustees decided to employ a multi-manager team approach to investing plan assets. Investment managers are employed to utilize individual expertise within their area of responsibility. Each manager is governed by individual investment guidelines. Separate manager guidelines for each investment manager shall serve as addenda to this Policy. Commingled funds will be governed by the guidelines adopted by said fund and reviewed during the contract negotiation process.

The following was the asset allocation as of December 31, 2017:

<u>Asset Class</u>	<u>2017 Target Allocation</u>
Large Cap	25%
Mid Cap	10%
Small Cap	10%
International Equity	15%
Alternative Assets	5%
Real Assets	15%
Fixed Income	<u>20%</u>
Total	<u>100%</u>

For the year ended December 31, 2017 the annual money-weighted rate of return on pension plan investments, net of pension plan investment expenses, was 0.8 percent. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

The total pension liability was determined by an actuarial valuation as of December 31, 2017, using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation	3 Percent
Salary increases	3 Percent
Investment rate of return	8.0 Percent, net of pension plan investment expense

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE G – PENSION PLAN (CONTINUED)

DEFINED BENEFIT PLAN (CONTINUED)

It is assumed that both pre-retirement mortality and beneficiary mortality is represented by the RP-2014 Blue Collar Mortality with Scale MP-2014, fully generational. Mortality for retired members is represented by the RP-2014 Blue Collar Mortality Table set forward three years for males, and six years for females, fully generational. Mortality for disabled members is represented by the RP-2000 Mortality Table set forward two years. Generational adjusting is based on Scale MP-2014.

The long-term expected rate of return on Plan investments was determined using a building block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

Best estimates of arithmetic real rates of return for each major asset class included in the pension plan's target allocation as of December 31, 2017 are summarized as follows:

<u>Asset Class</u>	<u>Long-Term Expected Real Rate of Return</u>
Large Cap	6.4%
Mid Cap	8.9%
Small Cap	7.0%
International Equity	3.0%
Alternative Assets	6.5%
Real Assets	7.8%
Fixed Income	1.6%

The discount rate used to measure the total pension liability was 8%. The projection of cash flows used to determine the discount rate assumed plan member contributions will be made as the current contribution rate and that the Plant's contributions will be made as the actuarially determined contribution rates. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE G – PENSION PLAN (CONTINUED)

NET PENSION LIABILITY

The Plant's net pension liability was measured as of December 31, 2016, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of January 1, 2016.

The components of the net pension liability at December 31, 2017 and 2016, were as follows:

	December 31, 2017	December 31, 2016
Total pension liability	\$ 96,388,134	\$ 93,669,104
Plan fiduciary net position	73,738,830	70,248,705
Net pension liability	\$ 22,649,304	\$ 23,420,399

Plan fiduciary net position as a percentage of the total pension liability	76.5%	75.0%
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SENSITIVITY OF THE NET PENSION LIABILITY TO CHANGES IN DISCOUNT RATE

The following presents the net pension liability of the System calculated using the discount rate of 8 percent, as well as what the System's net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower (7 percent) or 1 percentage point higher (9 percent) than the current rate:

	1% Decrease	Current Discount Rate	1% Increase
	7.00%	8.00%	9.00%
Net pension liability	\$ 34,734,018	\$ 22,649,304	\$ 13,994,094

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE G – PENSION PLAN (CONTINUED)

PENSION EXPENSE AND DEFERRED OUTFLOWS OF RESOURCES AND DEFERRED INFLOWS OF RESOURCES RELATED TO PENSIONS

For the years ended December 31, 2017 and 2016, the Plant recognized pension expenses of \$1,498,225 and \$3,020,215, respectively. At December 31, 2017 and 2016, the Plant reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	2017	
	Deferred Outflows of Resources	Deferred Inflows of Resources
Contributions made subsequent to December 31, 2016	\$ 4,086,064	\$ --
Net difference between projected and actual earnings on pension plan investments	4,716,296	--
Changes in proportion and difference between employer contributions and proportionate share of contributions	157,653	--
Changes of assumptions	--	3,829,786
Difference between expected and actual experience	--	2,168,272
Total	\$ 8,960,013	\$ 5,998,058
	2016	
	Deferred Outflows of Resources	Deferred Inflows of Resources
Contributions made subsequent to December 31, 2015	\$ 3,996,685	\$ --
Net difference between projected and actual earnings on pension plan investments	4,799,925	--
Changes in proportion and difference between employer contributions and proportionate share of contributions	206,153	--
Changes of assumptions	--	5,027,910
Difference between expected and actual experience	--	2,846,602
Total	\$ 9,002,763	\$ 7,874,512

Amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year ended December 31:	
2018	\$ 4,023,402
2019	(341,470)
2020	(609,124)
2021	(110,852)
2022	(1)
	\$ 2,961,955

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE G – PENSION PLAN (CONTINUED)

RETIREMENT FUND

The Plant has established a separate Plant Employees' Retirement Fund for the financing of future pension plan contributions. Net position at December 31, 2017 and 2016, was approximately \$11,196,000 and \$9,484,000, respectively. These funds are invested in money market funds, fixed income securities including government and corporate bonds and other equity securities. The Plant made no contributions to the Plant Employees Retirement Fund in 2017 and 2016.

NOTE H – OTHER POST-EMPLOYMENT BENEFITS

The Plant follows GASB Statement No. 45, "Accounting and Financial Reporting by Employers for Post-employment Benefits Other Than Pensions."

PLAN DESCRIPTION

The Plant participates in The Post Retirement Benefits Plan of The City of Taunton, an agent multi-employer defined benefit healthcare plan administered by the City of Taunton. The Plant provides post-employment health care benefits to retirees that meet certain requirements. Retirees of the Plant under age 65 are eligible for the same health benefits as active employees, while retirees over the age of 65 are eligible for MEDEX. Chapter 32B of the Massachusetts General Laws assigns authority to establish and amend benefit provisions of the Plan. The Plan does not issue a publicly available financial report.

At June 30, 2016, the most recent actuarial valuation date, the Plant's membership consisted of the following:

Current retirees and beneficiaries	207
Current active members	<u>146</u>
Total	<u><u>353</u></u>

FUNDING POLICY

The Plant currently finances its other post-employment benefits ("OPEB") on a pay-as-you-go basis. As a result, the funded ratio (actuarial value of assets expressed as a percentage of the actuarial accrued liability) is 0%. In accordance with Governmental Accounting Standards, the Plant has recorded its OPEB cost equal to the actuarially determined annual required contribution ("ARC") which includes the normal cost of providing benefits for the year and a component for the amortization of the total unfunded actuarial accrued liability of the plan.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE H – OTHER POST-EMPLOYMENT BENEFITS (CONTINUED)

FUNDING POLICY (CONTINUED)

The contribution requirements of the Plan members and the Plant are established and may be amended through collective bargaining. The cost of the benefits provided to retirees are borne 75% by the Plant, and 25% by the retiree.

The components of the Plant's annual OPEB costs for the year, the amount actually contributed to the plan, and changes in the Plant's net OPEB obligation are summarized in the following table:

	<u>2017</u>	<u>2016</u>
Annual Required Contribution	\$ 2,220,423	\$ 2,088,660
Interest on net OPEB obligation	388,130	354,239
Amortization credit on NOO	<u>(323,441)</u>	<u>(295,199)</u>
Annual OPEB cost (expense)	2,285,112	2,147,700
Contributions made	<u>(1,524,129)</u>	<u>(1,385,688)</u>
Increase in net obligations	760,983	762,012
Net OPEB obligation at beginning of year	<u>9,618,882</u>	<u>8,856,870</u>
Net OPEB obligation at end of year	<u>\$ 10,379,865</u>	<u>\$ 9,618,882</u>

ANNUAL OPEB COSTS AND NET OPEB OBLIGATION

The Plant's annual OPEB cost (expense) is calculated based on the annual required contribution of the employer ("ARC"), an amount actuarially determined in accordance with the parameters of GASB Statement No. 45. The ARC represents a level of funding that, if paid on an ongoing basis, is projected to cover normal costs each year and amortize any unfunded actuarial liabilities (or funding excess) over a period not to exceed thirty years. The components of the Plant's annual OPEB costs for the year, the amount actually contributed to the Plan, and changes in the Plant's net OPEB obligation are summarized in the following table:

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE H – OTHER POST-EMPLOYMENT BENEFITS (CONTINUED)

ANNUAL OPEB COSTS AND NET OPEB OBLIGATION (CONTINUED)

The Plant's annual OPEB cost, the percentage of annual OPEB cost contributed to the plan, and the net OPEB obligation for the year is as follows:

Year Ended	Annual OPEB Cost	Annual OPEB Cost Contributed	Percentage of Annual OPEB Cost Contributed	Net OPEB Obligation
12/31/2014	\$ 2,349,081	\$ 1,344,937	57%	\$ 7,818,401
12/31/2015	\$ 2,349,081	\$ 1,310,612	56%	\$ 8,856,870
12/31/2016	\$ 2,147,700	\$ 1,385,688	65%	\$ 9,618,882
12/31/2017	\$ 2,285,112	\$ 1,524,129	67%	\$ 10,379,865

FUNDING STATUS AND FUNDING PROGRESS

As of June 30, 2016, the most recent actuarial valuation date, the actuarial accrued liability for benefits was \$42,128,522, all of which was unfunded. The covered payroll (annual payroll of the Department's active employees covered by the plan) was \$18,314,060, and the ratio of the Unfunded Actuarial Accrued Liability ("UAAL") to the covered payroll was 230%.

Actual valuations of an ongoing plan involve estimates of the value of reported amounts and assumptions about future employment, mortality, and the healthcare cost trend. Amounts determined regarding the funded status of the plan and the annual required contributions of the employer are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future. The schedule of funding progress, presented as required supplementary information following the notes to the financial statements, presents multiyear trend information about whether the actuarial value of plan assets is increasing or decreasing over time relative to the actuarial accrued liabilities for benefits.

The Schedule of Funding Progress, presented as required supplementary information following the notes to the financial statements, presents multi-year trend information which compares, over time, the actuarially accrued liability for benefits with the actuarial value of accumulated plan assets.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE H – OTHER POST-EMPLOYMENT BENEFITS (CONTINUED)

ACTUARIAL METHODS AND ASSUMPTIONS

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan understood by the employer and the plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing of benefit costs between the employer and plan members to that point. The actuarial methods and assumptions used include techniques that are designed to reduce the effect of short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

The significant methods and assumptions as of the latest actuarial valuation are as follows:

Valuation date:	June 30, 2017
Actuarial cost method:	Entry Age Normal
Asset valuation method:	Market value of Assets
Investment rate of return:	3.75% net of OPEB plan investment expense
Medical inflation:	4.50% as of June 30, 2017 and for future periods
Dental trend rate:	4.00% as of June 30, 2017 and for future periods
Preretirement mortality:	RP-2000 adjusted to 2015 total database set mortality table projected to valuation date, fully generational
Marriage Assumptions:	80% of males and 60% of females assumed to be married with wives to be three years younger than their husband

INVESTMENT POLICY

The Plant's policy in regard to the allocation of invested assets is established and may be amended by the committee by a majority vote of its members. It is the policy of the Plant to pursue an investment strategy that reduces risk through the prudent diversification of the portfolio across a broad selection of distinct asset classes. The following was the asset allocation as of December 31, 2017.

<u>Asset Class</u>	<u>2017 Target Allocation</u>
Domestic Equity	34%
Domestic Bond	22%
Alternative	20%
International Equity	18%
International Bond	5%
Cash and Equivalents	1%
Total	<u>100%</u>

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE H – OTHER POST-EMPLOYMENT BENEFITS (CONTINUED)

RATE OF RETURN

For the year ended December 31, 2017, the annual money-weighted rate of return on investment, net of investment expense, was 1.71%. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

<u>Asset Class</u>	<u>Long-Term Expected Real Rate of Return</u>
U.S. Equity	1.89%
Non-U.S. Equity	4.06%
U.S. Aggregate Bonds	1.75%
Intermediate-Term Credit	1.12%
Short-Term Credit	0.91%
REITs	0.01%

NET OPEB LIABILITY

The components of the net OPEB liability of the Plant at December 31, 2017, were as follows:

	<u>2017</u>
Total OPEB liability	\$ 42,334,723
Plans fiduciary net position	<u>31,443</u>
Plant's net OPEB liability	<u>\$ 42,303,280</u>
Plan net position as a percentage of the total OPEB liability	 0.07%

SENSITIVITY OF THE NET OPEB LIABILITY TO CHANGES IN THE DISCOUNT RATE

The following presents the net OPEB liability of the system calculated using the discount rate of 3.75%, as well as what the system's net OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower (2.75%) or 1-percentage-point higher (4.75%) than the current rate. The Plan Fiduciary Net Position as a percentage of the Total OPEB Liability is 0.1%.

	Impact of 1% Change in Discount Rate		
	1% Decrease	Current Discount	1% Increase
	2.75%	Rate 3.75%	4.75%
Total OPEB liability	\$ 49,117,965	\$ 42,303,280	\$ 36,896,363

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE H – OTHER POST-EMPLOYMENT BENEFITS (CONTINUED)

SENSITIVITY OF THE NET OPEB LIABILITY TO CHANGES IN THE DISCOUNT RATE (CONTINUED)

The following presents the net OPEB liability of the system calculated using the current trend rates, as well as what the system's net OPEB liability would be if it were calculated using trend rates 1-percentage-point lower for all years or 1-percentage-point higher than the current rates:

	<u>Impact of 1% Change in Healthcare Trend Rate</u>		
	1% Decrease	Current Trend Rate	1% Increase
	3.50%	4.50%	5.50%
Total OPEB liability	<u>\$ 35,722,616</u>	<u>\$ 42,303,280</u>	<u>\$ 50,800,199</u>

OPEB FUND

In March 2015 the Plant established an OPEB Trust Fund for the purpose of accumulating assets to fund future payments of OPEB obligations. The initial funding of the Trust was \$500,000 made in February 2016. Net position at December 31, 2017 and 2016, was approximately \$508,000 and \$507,000, respectively.

NOTE I – INTEREST ACCESS BUSINESS UNIT

Revenue and expense for this business unit are combined and presented as a single line item in other income (expense) in the statement of revenues, expenses and changes in net position. Internet services generated revenues of approximately \$1,423,000 and \$1,325,000 for the years ended December 31, 2017 and 2016, respectively. Expenses were approximately \$980,000 and \$1,184,000 for the same periods, respectively.

The business unit utilizes certain assets of the Plant. For the years ended December 31, 2017 and 2016, other operating revenue for the Plant and internet expense includes approximately \$133,000, relating to this cost allocation.

NOTE J – SALE OF EMISSION ALLOWANCES

The Plant receives emission allowances in connection with the operation of its generation facilities. The Plant may from time to time purchase or sell excess emission allowances on the open market. The income from the sale or the expense from the expiration of allowances are recorded as other income or expense on the statement of revenues, expenses and changes in net position.

TAUNTON MUNICIPAL LIGHTING PLANT

NOTES TO THE FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2017 AND 2016

NOTE K – SICK LEAVE ANNUITIES

If an employee is terminated for any reason, other than for cause, the Taunton Municipal Lighting Plant purchases a single premium annuity for the employees benefit. The value of the annuity is the value of the employee's unused sick leave at the time of termination. The Taunton Municipal Lighting Plant retains ownership of said annuity with the terminated employee being the designated annuitant on the policy.

REQUIRED SUPPLEMENTARY INFORMATION

TAUNTON MUNICIPAL LIGHTING PLANT

SCHEDULE OF FUNDING PROGRESS

FOR OTHER POST-EMPLOYMENT BENEFITS PLAN

SCHEDULE OF FUNDING PROGRESS

Actuarial Valuation Date	Actuarial Value of Assets	Actuarial Accrued Liability (AAL)	Unfunded AAL (UAAL)	Funded Ratio	Covered Payroll	UAAL as a Percentage of Payroll
June 30, 2017	\$31,443	\$ 42,334,723	\$42,303,280	0.07%	\$ 18,314,059	231%
June 30, 2016	\$10,979	\$ 41,251,485	\$41,240,506	0.03%	\$ 17,055,663	242%
June 30, 2014	\$ --	\$ 43,686,973	\$43,686,973	0.00%	\$ 16,538,227	264%
June 30, 2012	\$ --	\$ 41,268,845	\$41,268,845	0.00%	\$ 15,982,448	258%
June 30, 2010	\$ --	\$ 37,623,107	\$37,623,107	0.00%	\$ 15,955,539	236%
June 30, 2008	\$ --	\$ 50,082,169	\$50,082,169	0.00%	\$ 13,794,910	363%

1.) Schedule is intended to show information for 10 years - additional years will be displayed as they become available.

TAUNTON MUNICIPAL LIGHTING PLANT

SCHEDULE OF CONTRIBUTIONS

OTHER POST-EMPLOYMENT BENEFITS PLAN

	<u>2017</u>	<u>2016</u>
Actuarially determined contribution	\$ 2,220,423	\$ 2,088,660
Contributions in relation to the actuarially determined contribution	<u>1,524,129</u>	<u>1,385,688</u>
Contribution deficiency (excess)	<u>\$ 696,294</u>	<u>\$ 702,972</u>
Covered-employee payroll	<u>\$ 18,314,060</u>	<u>\$ 17,055,663</u>
Contributions as a percentage or covered-employee payroll	8.32%	8.12%

Notes to Schedule

Valuation Date:	Actuarially Determined Contribution was calculated as of June 30, 2017.
Actuarial Cost Method:	Entry Age Normal Actuarial Cost Method
Asset-Valuation Method:	Market Value of Assets as of the Measurement Date, June 30, 2017.
Investment Rate of Return:	3.75%, net of OPEB plan investment expense
Medical inflation	4.50% as of June 30, 2017 and for future periods
Dental Trend Rate	4.00% as of June 30, 2017 and for future periods
Pre-Retirement Mortality:	RP-2000 adjusted to 2015 total database set mortality table projected to valuation date, fully generational
Marriage assumptions	80% of males and 60% of females assumed to be married with wives to be three years younger than their husbands

1.) Schedule is intended to show information for 10 years - additional years will be displayed as they become available.

TAUNTON MUNICIPAL LIGHTING PLANT
SCHEDULE OF CHANGES IN THE PLANT'S NET OPEB LIABILITY
AND RELATED RATIOS

	2017
Total OPEB Liability	
Service cost	\$ 1,059,028
Interest on net OPEB liability and service cost	1,558,129
Benefit payments, including refunds	<u>(1,533,919)</u>
Net Change in Total OPEB Liability	1,083,238
Total OPEB Liability - Beginning	<u>41,251,485</u>
Total OPEB Liability - Ending (a)	<u><u>\$ 42,334,723</u></u>
 OPEB Fiduciary Net Position	
Benefit payments, including refund	\$ (1,503,853)
Contributions - employer	1,524,129
Net investment income	<u>188</u>
Net Change in Plan Fiduciary Net Position	20,464
 Plan Fiduciary Net Position - Beginning	<u>10,979</u>
Plan Fiduciary Net Position - Ending (b)	<u><u>\$ 31,443</u></u>
 Net OPEB Liability - Ending (a) - (b)	<u><u>\$ 42,303,280</u></u>
 Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	0.07%
 Covered Employee Payroll	\$ 18,314,059
 Net OPEB Liability as a Percentage of Covered-Employee Payroll	230.99%

1.) Schedule is intended to show information for 10 years - additional years will be displayed as they become available.

TAUNTON MUNICIPAL LIGHTING PLANT

SCHEDULE OF INVESTMENT RETURNS

FOR OTHER POST-EMPLOYMENT BENEFITS PLAN

	<u>2017</u>
Annual money-weighted rate of return, net of investment expense	1.17%

1.) Schedule is intended to show information for 10 years - additional years will be displayed as they become available.

TAUNTON MUNICIPAL LIGHTING PLANT

DEFINED BENEFIT PENSION PLAN

SCHEDULE OF PLANT'S CONTRIBUTIONS

LAST THREE FISCAL YEARS

	2017	2016	2015
Actuarially determined contribution	\$ 4,086,064	\$ 3,996,685	\$ 3,913,709
Contributions in relation to the actuarially determined contribution	4,086,064	3,996,685	3,913,709
Contribution deficiency (excess)	\$ --	\$ --	\$ --
Covered-employee payroll	\$ 18,314,060	\$ 17,055,663	\$ 17,416,747
Contributions as a percentage or covered-employee payroll	22.31%	23.43%	22.47%

Notes to Schedule

Valuation date: January 1, 2016

Actuarially determined contribution rates are calculated as of January 1, two years prior to the end of the fiscal year in which contributions are reported

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry age
Amortization method	Level % of payroll on an open basis
Remaining amortization period	11 years
Asset valuation method	Market Value
Inflation	3.0%
Salary increases	3.0%
Investment rate of return	8.0%
Cost of living adjustments	3% of the lesser of the pension amount and \$15,000 per year
Retirement age	65

Mortality

It is assumed that both pre-retirement mortality and beneficiary mortality is represented by the RP-2014 Blue Collar Mortality with Scale MP-2014, fully generational. Mortality for retired members is represented by the RP-2014 Blue Collar Mortality Table set forward three years for males, and six years for females, fully generational. Mortality for disabled members is represented by the RP-2000 Mortality Table set forward two years. Generational adjusting is based on Scale MP-2014.

1.) Schedule is intended to show information for 10 years - additional years will be displayed as they become available.

TAUNTON MUNICIPAL LIGHTING PLANT

DEFINED BENEFIT PENSION PLAN

SCHEDULE OF INVESTMENT RETURNS

LAST THREE FISCAL YEARS

	<u>2017</u>	<u>2016</u>	<u>2015</u>
Annual money-weighted rate of return, net of investment expense	16.00%	6.41%	0.90%

1.) Schedule is intended to show information for 10 years - additional years will be displayed as they become available.

**INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER
FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED
ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE
WITH *GOVERNMENT AUDITING STANDARDS***

To the Municipal Lighting Commission
Taunton Municipal Lighting Plant

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the Taunton Municipal Lighting Plant (the "Plant") (a component unit of the City of Taunton, Massachusetts) as of and for the year ended December 31, 2017, and the related notes to the financial statements, which collectively comprise the Plant's basic financial statements, and have issued our report thereon dated August 9, 2018.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Plant's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Plant's internal control. Accordingly, we do not express an opinion on the effectiveness of the Taunton Municipal Lighting Plant's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. *A material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. *A significant deficiency* is a deficiency, or combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Plant's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Marcum LLP

Providence, RI
August 9, 2018