

TOWN OF LITTLETON, MASSACHUSETTS
LITTLETON MUNICIPAL WATER
DEPARTMENT

Financial Statements

June 30, 2015

(With Accountants' Report Thereon)

Giusti, Hingston and Company
Certified Public Accountants

36 Jackman St., Unit 1

Georgetown, MA 01833

(Tel) 978-352-7470

Town of Littleton, Massachusetts
Littleton Municipal Water Department
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INDEPENDENT AUDITORS' REPORT ON BASIC FINANCIAL STATEMENTS

Board of Water Commissioners
Town of Littleton, Massachusetts
Littleton Municipal Water Department
39 Ayer Road
P.O. Box 2406
Littleton, Massachusetts 01460

Report on the Financial Statements

We have audited the accompanying basic financial statements and the related notes to the financial statements of the Littleton Municipal Water Department as of and for the year ended June 30, 2015.

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.

Auditor's Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. 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 auditor's 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 Littleton Municipal Water Department, as of June 30, 2015, and the respective changes in financial position and cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, the retirement system schedules and the other post employment benefit schedules listed in the table of contents be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic 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 basic financial statements, and other knowledge we obtained during our audit of the basic 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.

Giusti, Hingston and Company

Giusti, Hingston and Company

Certified Public Accountants

February 3, 2016

***Town of Littleton, Massachusetts Municipal Water Department
Management's Discussion and Analysis
Required Supplementary Information
June 30, 2015***

As management of the Littleton, Massachusetts Municipal Water Department, we offer readers of these financial statements this narrative overview and analysis of the financial activities of the Town of Littleton, Massachusetts Municipal Water Department for the fiscal year ended June 30, 2015.

Financial Highlights

- The assets of the Littleton, Massachusetts Municipal Water Department exceeded its liabilities at the close of the most recent fiscal year by \$7,139,952 (*net position*).
- As required by Governmental Accounting Standards Board Statement #68, a prior period adjustment was made (\$910,230) to report the Department's Net Pension Liability as of June 30, 2014. The adjustment caused a reduction in Net Position by the amount of the prior period adjustment.
- The Department's total net position increased by \$288,165 or 4.2% (including the prior period adjustment).
- At the end of the current fiscal year, the balance in the unrestricted net asset account was \$3,562 or 0.1% of total expenses.

Overview of the Financial Statements

The discussion and analysis is intended to serve as an introduction to the Littleton Water Department's basic financial statements.

Proprietary funds. The Town of Littleton, Massachusetts Municipal Water Department maintains one proprietary fund type. The Department uses an enterprise fund to account for its water operations.

Water rates are structured to cover all operating costs related to the Department.

Financial Analysis

Net position

Net position may serve over time as a useful indicator of a government's financial position. The following table reflects the condensed net position. The 2014 amounts were adjusted to reflect the prior period adjustment.

	<u>2015</u>	<u>2014</u>
Current Assets	\$ 1,525,065	\$ 1,162,769
Capital Assets	12,467,962	12,662,769
Total Assets	<u>13,993,027</u>	<u>13,825,538</u>

	<u>2015</u>	<u>2014</u>
Deferred Outflows of Resources	3,096	3,096
Current Liabilities	525,254	4,869,655
Long Term Liabilities	6,330,917	2,107,192
Total Liabilities	6,856,171	6,976,847
Net Position:		
Net Investment in Capital Assets	6,930,804	7,161,139
Restricted for Other Post Employment Benefits Trust	205,586	152,051
Unrestricted	3,562	(461,403)
Total Net Position	<u>\$ 7,139,952</u>	<u>\$ 6,851,787</u>

Changes in Net Position

The following condensed financial information was derived from the Department's Statement of Revenues, Expenses and Changes in Net Position. It reflects how the Department's Net Position has changed during the last two fiscal years.

Revenues	<u>2015</u>	<u>2014</u>
Operating:		
Metered Sales	\$ 2,142,930	\$ 1,782,335
Non-Operating:		
Merchandising and Jobbing Revenue	484,739	214,432
Earnings on Investments	4,227	16,746
Intergovernmental	39,203	90,489
Contribution of Services by Light Department	298,196	191,046
Miscellaneous	129,240	128,982
Total Revenues	<u>3,098,535</u>	<u>2,424,030</u>

Expenses		
Operating Expenses:		
Operating	248,005	247,982
Maintenance	838,930	937,661
General and Administrative	950,936	695,076
Depreciation	547,693	456,314
Non-Operating:		
Sustainable Water Management Initiative Grant	39,103	90,489
Interest Expense	185,703	111,200
Total Expenses	<u>2,810,370</u>	<u>2,538,722</u>
Increase (Decrease) in Net Position	<u>\$ 288,165</u>	<u>\$ (114,692)</u>

Financial Analysis of the Department's Funds

Components of Net Position

The following table reflects the trend in all components of net position for the past seven years.

<u>Fiscal Year</u>	Invested in Capital Assets Net of Related Debt	Restricted for Other Post Employment Benefits Trust	Unrestricted	Total Net Position
2008	\$ 6,040,655	\$ -	\$ 601,297	\$ 6,641,952
2009	6,015,610	-	619,094	6,634,704
2010	6,062,417	-	442,798	6,505,215
2011	7,247,071	29,110	385,482	7,661,663
2012	7,277,850	54,027	371,684	7,703,561
2013	7,191,497	85,305	599,907	7,876,709
2014	7,161,139	152,051	(461,403)	6,851,787
2015	6,930,804	205,586	3,562	7,139,952

Capital Asset and Debt Administration

Capital assets. The Town of Littleton, Massachusetts Municipal Water Department's investment in capital assets (net of accumulated depreciation) as of June 30, 2015, amounts to \$12,467,962. This investment in capital assets includes land, buildings and improvements, infrastructure and machinery and equipment.

Major capital asset acquisitions during the year included the following:

Treatment Facilities	\$270,840
Meters	\$ 45,798
Transmission and Distribution	\$ 26,098

Capital Assets at June 30, 2015 and June 30, 2014
(Net of Accumulated Depreciation)

	Business-Type Activities	
	<u>2015</u>	<u>2014</u>
Land	\$ 722,747	\$ 722,747
Maintenance Facilities	21,467	23,215
Pump Facilities	202,599	209,734
Treatment Facilities	4,793,510	4,682,674
Standpipes	1,140,129	1,208,226
Pumping Plant	749,204	782,551
Wells	422,304	449,072
Water Quality Equipment	536,026	584,317
Transmission and Distribution	2,755,215	2,847,879
Services	312,209	319,241
Customer Meters	541,718	514,239
Hydrants and Gates	125,293	129,723
SCADA & Communication Equipment	35,671	44,339
Tools	1,124	-
Vehicles	85,086	115,143
Laboratory Equipment	23,660	29,669
Total Capital Assets	<u>\$ 12,467,962</u>	<u>\$ 12,662,769</u>

Debt

The Department's long term debt increased by \$4,338,487 or 372%. The Department issued a bond for \$4,486,000 that had a premium of \$121,045. In addition, the Department paid long term debt principal of \$285,000 and amortized \$16,442 of discount during fiscal year 2015. The outstanding balances for the past two years are noted below:

	<u>2015</u>	<u>2014</u>	<u>Change</u>
General Obligation Bonds	\$ 5,386,000	\$ 1,185,000	\$ 4,201,000
Premiums	121,045	-	121,045
Discounts	(3,352)	(19,794)	16,442
Total Bonds Payable	<u>\$ 5,503,693</u>	<u>\$ 1,165,206</u>	<u>\$ 4,338,487</u>

Fiscal Year 2016 Budget

For the fiscal year 2016, the Water Department has a total budget of \$3,103,000 consisting of:

Salaries and Wages	\$800,000
General Operating Expenses	1,200,000
Debt-Principal and Interest	550,476
Reserve	100,000
Capital	<u>452,524</u>
Total	<u>\$3,103,000</u>

Request for Information

This financial report is designed to provide a general overview of the Littleton Municipal Water Department's finances for all those with an interest in the government's finances. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to:

Accounting/Business Manager
Littleton Municipal Water Department
39 Ayer Road
Littleton, Massachusetts 01460-3406

Littleton Municipal Water Department
Statement of Net Position
Proprietary Fund Type
June 30, 2015

	Proprietary Fund Type <u>Enterprise</u>
Assets	
Current:	
Cash and Cash Investments	\$ 851,873
Accounts Receivable:	
User Charges (Net of Allowance for Uncollectable)	252,026
Unbilled User Charges	285,620
Merchandising and Jobbing	27,252
Intergovernmental	39,203
Inventory	69,091
Noncurrent:	
Capital Assets Not Being Depreciated	722,747
Capital Assets Being Depreciated, Net	11,745,215
Total Assets	<u>13,993,027</u>
 Deferred Outflows of Resources	
Pensions	<u>3,096</u>
 Liabilities	
Current:	
Accounts Payable	\$ 35,190
Accrued Interest Payable	56,312
Compensated Absences Payable	16,737
Lease Payable	15,776
Bonds Payable	401,239
Noncurrent:	
Compensated Absences Payable	39,052
Lease Payable	17,689
Other Post Employment Benefits Payable	257,978
Net Pension Liability	913,744
Bonds Payable	5,102,454
Total Liabilities	<u>6,856,171</u>
 Net Position	
Net Investment in Capital Assets	6,930,804
Restricted for Other Post Employment Benefits Trust	205,586
Unrestricted	3,562
Total Net Position	<u><u>\$ 7,139,952</u></u>

Littleton Municipal Water Department
 Statement of Revenues, Expenses and
 Changes in Net Position
 Proprietary Fund Type
 For the Year Ended June 30, 2015

	Proprietary Fund Type <u>Enterprise</u>
Operating Revenues:	
Metered Sales	\$ 1,908,736
Debt Service Fee	234,194
Total Operating Revenues	<u>2,142,930</u>
Operating Expenses:	
Operating	248,005
Maintenance	838,930
General and Administrative	950,936
Depreciation	547,693
Total Operating Expenses	<u>2,585,564</u>
Operating Income	<u>(442,634)</u>
Non-operating Revenues (Expenses):	
Merchandising and Jobbing Revenue	484,739
Earnings on Investments	4,227
Intergovernmental	39,203
Contribution of Services by Light Department	298,196
Miscellaneous	129,240
Sustainable Water Management Initiative Grant	(39,103)
Interest Expense	(185,703)
Total Non-Operating Revenues (Expenses)	<u>730,799</u>
Change in Net Position	<u>288,165</u>
Total Net Position July 1, 2014	<u>7,762,017</u>
Prior Period Adjustment	<u>(910,230)</u>
Total Net Position July 1, 2014, as Restated	<u>6,851,787</u>
Total Net Position June 30, 2015	<u><u>\$ 7,139,952</u></u>

Littleton Municipal Water Department
Statement of Cash Flows
Proprietary Fund Type
For the Year Ended June 30, 2015

	Proprietary Fund Type <u>Enterprise</u>
Cash Flows from Operating Activities:	
Receipts from Customers	\$ 1,977,855
Payments to Vendors and Employees	(1,685,994)
Net Cash Flow from Operating Activities	<u>291,861</u>
Cash Flows from Non Capital Related Financing Activities:	
Merchandising and Jobbing	479,927
Grant	65,990
Sustainable Water Management Initiative Grant	(39,103)
Miscellaneous	129,240
Net Cash Flow from Non Capital Related Financing Activities	<u>636,054</u>
Cash Flows from Capital and Related Financing Activities:	
Acquisition of Fixed Assets	(352,886)
Interest Expense	490
Capital Lease Payments	(15,776)
Payments of Bond Anticipation Notes	(4,537,900)
Proceeds Long Term Debt	4,486,000
Principal Payments on Long Term Debt	(285,000)
Net Cash Flow from Capital and Related Financing Activities	<u>(705,072)</u>
Cash Flows from Investing Activities:	
Investment Income	4,227
Net Cash Flows from Investing Activities	<u>4,227</u>
Net Increase (Decrease) in Cash and Cash Equivalents	227,070
Cash and Cash Equivalents, July 1, 2014	<u>624,803</u>
Cash and Cash Equivalents, June 30, 2015	<u>\$ 851,873</u>
Reconciliation of Operating Income to Net Cash Provided (Used) by Operating Activities:	
Operating Income (Loss)	\$ (442,634)
Adjustments to Reconcile Operating Income to Net Cash Provided (Used) by Operating Activities:	
Depreciation Expense	547,693
Contribution of Services by Light Department	298,196
(Increase) Decrease in Assets:	
Accounts Receivable	(165,075)
Increase (Decrease) in Liabilities:	
Payroll and Vendor Payables	39,378
Other Post Employment Benefits Payable	23,718
Compensated Absences Payable	(9,833)
Net Pension Liability	418
Net Cash Provided by Operating Activities	<u>\$ 291,861</u>
Schedule of Noncash Capital and Related Financing Activities	\$ -

Town of Littleton, Massachusetts Municipal Water Department
Notes to Financial Statements
June 30, 2015

I. **Summary of Significant Accounting Policies**

The accounting policies for financial reporting purposes of the Town of Littleton, Massachusetts Municipal Water Department conform to accounting principles generally accepted in the United States of America for local governmental units. The Department applies all relevant Governmental Accounting Standards Board (GASB) pronouncements.

The following is a summary of the more significant accounting policies:

A. **Reporting Entity**

The Department's financial statements include the operations of the Water Department only. The Water Department is an enterprise fund of the Town of Littleton, Massachusetts.

B. **Measurement Focus and Basis of Accounting**

i. **Fund Accounting**

The Department reports its financial activities in one proprietary fund type in order to comply with the limitations and restrictions placed on both the resources available and the services provided.

This fund is used to account for water operations that are financed and operated in a manner similar to private business enterprises where the costs of providing goods or services to the general public on a continuing basis are financed or recovered primarily through user charges.

ii. **Basis of Accounting**

The accompanying financial statements have been prepared and presented on the accrual basis of accounting. Under this method, revenues are recognized in the accounting period in which they are earned and expenses are recognized when the related liability is incurred.

Revenue Recognition

Water user charges as presented are considered as revenue when they are committed for collection. Recognition has also been applied to used, but unbilled usage.

Expenses

Expenses are recorded during the year on an accrual basis.

C. Assets, Deferred Outflows of Resources, Liabilities, Deferred Inflows of Resources and Net Position

i. Deposits and Investments

The Department's cash and cash equivalents are considered to be demand deposits and short term investments with original maturities of three months or less from the date of acquisition.

State and local statutes place certain limitations on the nature of deposits and investments available to the Department. Deposits allowed include demand deposits, term deposits and certificates of deposit. Investments can also be made in securities issued by or unconditionally guaranteed by the U.S. government or agencies that have a maturity of less than one year from the date of purchase, repurchase agreements guaranteed by such securities with maturity dates or no more than 90 days from the date of purchase, and units in the Massachusetts Municipal Depository Trust ("MMDT").

ii. Capital Assets

Capital assets including land, buildings and improvements, machinery and equipment and infrastructure assets are reported. Capital assets are currently defined by the Department as assets that have an estimated useful life in excess of one year. Such assets are recorded at historical cost or estimated historical cost if purchased or constructed. Donated capital assets are recorded at estimated fair market value at the date of the donation.

The cost of normal maintenance and repairs that does not add to the value of the asset or materially extend assets lives is not capitalized.

Major outlays for capital assets and improvements are capitalized as projects are constructed.

iii. Compensated Absences

Vacation Leave

All permanent full time employees are granted vacation leave based on years of employment. Vacation leave may only be carried forward to the subsequent fiscal year with the approval of the Supervisor and if appropriate within the terms of the employee's contract. The accumulated vacation leave benefit liability as of June 30, 2015 is reflected in the financial statements.

Sick Leave

All permanent full time employees are granted sick leave based on length of service. Employees with five or more years of service for the Department and five or fewer sick days used in the immediate prior year must elect to either accumulate unused sick time for future use or have any portion of the immediate prior year's unused sick days redeemed at the rate of one day's salary for every two days redeemed. The accumulated sick leave benefit liability as of June 30, 2015 is reflected in the financial statements.

iv. Deferred Outflows/Inflows of Resources

In addition to assets, the statement of net position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to a future period(s) and so will not be recognized as an outflow of resources (expense/ expenditure) until then. The Department's financial statements include deferred outflows of resources related to pensions.

In addition to liabilities, the statement of net position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents an acquisition of net position that applies to a future period(s) and so will not be recognized as an inflow of resources (revenue) until that time.

v. Net Position

Net position is reported in three accounts. "Net Investment in Capital Assets" is used as an offset account to capital assets net of accumulated depreciation and any related outstanding debt. "Restricted for Other Post Employment Benefits Trust" is utilized to account for reserves established to pay future health insurance benefits for retirees. Unrestricted net position is used to account for the residual portion of net position that is not externally restricted.

v. 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. Estimates also affect the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

vi. Pensions

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the Middlesex County Retirement System and additions to/deductions from the System's fiduciary net position have been determined on the same basis as they are reported by the System. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

II. Stewardship, Compliance and Accountability

A. Budgetary Information

i. General Budget Policies

Budget requests are submitted to the Commissioners for review during January, February and March of each year. The Commissioners have until May (which is when the annual Town meeting is held) to make any changes to the budget. The Water Department's budget must be approved at the annual Town meeting.

III. Detailed Notes

A. Deposits

Custodial Credit Risk

Custodial credit risk is the risk that in the event of a bank failure, the Department's deposits may not be returned. The Department's deposits are pooled with the deposits of the Town of Littleton, Massachusetts. As a result, the custodial credit risk of the Department is intermingled with the custodial credit risk of the Town. The Town has a formal deposit policy that addresses custodial credit risk.

Key sections of the policy are detailed below:

- Bank accounts or Certificate of Deposit accounts (CD's) with no limit to the length of maturity from the date of purchase may be made for unlimited amounts if the depository institution is a member of the Depository Insurance Fund (DIF) or the Share Insurance Fund (SIF). These funds insure all deposits held at a member Massachusetts state chartered savings bank or co-operative bank, respectively.
- Bank accounts, Certificate of Deposit accounts (CD's) and/or brokered CD's with no limit to the length of maturity from the date of purchase up to the FDIC coverage limits. All account balances in a single depository institution are considered in the aggregate to determine FDIC coverage limits.
- Bank accounts or Certificate of Deposit accounts (CD's) with no limit to the length of maturity from the date of purchase may be made for unlimited amounts if the deposit is fully collateralized by a third party agreement or securities owned by a depository institution that have been segregated from the day-to-day assets of the institution in order to provide collateralization.

- Uninsured or unsecured bank accounts or Certificate of Deposit accounts (CD's) with a final maturity no greater than one year from the date of purchase are allowed to be held by the Town subject to the following limitations:
 - The aggregate uninsured portion of deposits held at any one institution cannot exceed 5% of the institutions total deposits reflected on the bank's last filed FDIC Call Report.
 - No more than 10% of the Town's funds, applicable to this section, may be held in uninsured accounts.
 - The credit worthiness of the depository will be tracked by Treasurer utilizing the Veribac rating report.

B. Investments

i) Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. The Town's policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates is as follows:

- Short-term investments for funds covered in Section I are by statute limited to one year or less in maturity with all securities held to maturity.
- Longer term investments, other than trust funds under the direction of the Commissioners of Trust Funds, will be made for periods not longer than five years, maintaining an average maturity no greater than three years for the portfolio.

ii) Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The Town's policy relating to credit risk is as follows.

- Longer term investments in fixed income securities, other than trust funds under the direction of the Commissioners of Trust Funds, will be made principally for capital preservation and income potential. Corporate debt must be rated "A" or better by either S&P or Moody's rating services. If a security falls below the "A" rating, the security will be monitored by the Treasurer and advisor, if applicable. The security will be noted as an exception to policy if held in the portfolio. The Treasurer and/or advisor may sell the security if a further decline in value is expected.

iii) Concentration of Credit Risk

Concentration of credit risk is the risk of loss attributed to the magnitude of a government's investment in a single issuer. The Town's policy relating to concentration of credit risk is as follows:

- The Town will minimize any concentration of credit risk by diversifying the investment portfolio so that the impact of potential losses from any one type of security or issuer will be minimized. Specific investment amounts and/or issuer limitations are addressed in the policy.

iv) Foreign Currency Risk

Foreign currency risk is the risk that changes in foreign exchange rates will adversely affect the fair value of an investment or deposit. The Town's policy states that it will not invest in any instrument exposed to foreign currency risk.

C. Capital Assets

Capital asset activity for the year ended June 30, 2015 was as follows:

<u>Assets</u>	<u>Cost</u> <u>July 1, 2014</u>	<u>Additions</u>	<u>Dispositions</u>	<u>Cost</u> <u>June 30, 2015</u>	<u>Accumulated</u> <u>Depreciation</u> <u>July 1, 2014</u>	<u>Depreciation</u>	<u>Depreciation on</u> <u>Contributed Assets.</u> <u>or (Reversed</u> <u>Depreciation)</u>	<u>Accumulated</u> <u>Depreciation</u> <u>June 30, 2015</u>	<u>Net Book</u> <u>Value</u>
Capital Assets Not Being Depreciated:									
Land	\$ 722,747	\$ -	\$ -	\$ 722,747	\$ -	\$ -	\$ -	\$ -	\$ 722,747
Total Capital Assets Not Being Depreciated:	722,747	-	-	722,747	-	-	-	-	722,747
Capital Assets Being Depreciated:									
Maintenance Facilities	60,896	-	-	60,896	37,681	1,748	-	39,429	21,467
Pump Facilities	248,510	-	-	248,510	38,776	7,135	-	45,911	202,599
Treatment Facilities	5,573,145	270,840	-	5,843,985	890,471	160,004	-	1,050,475	4,793,510
Standpipes	2,371,906	-	-	2,371,906	1,163,680	68,097	-	1,231,777	1,140,129
Pumping Plant	1,161,528	-	-	1,161,528	378,977	33,347	-	412,324	749,204
Wells	932,363	-	-	932,363	483,291	26,768	-	510,059	422,304
Water Quality Equipment	1,682,035	-	-	1,682,035	1,097,718	48,291	-	1,146,009	536,026
Transmission and Distribution	4,136,623	26,098	-	4,162,721	1,288,744	118,762	-	1,407,506	2,755,215
Services	458,642	6,136	-	464,778	139,401	13,168	-	152,569	312,209
Customer Meters	638,073	45,798	-	683,871	123,834	18,319	-	142,153	541,718
Hydrants and Gates	221,219	1,921	-	223,140	91,496	6,351	-	97,847	125,293
Office Equipment	17,907	-	-	17,907	17,907	-	-	17,907	-
SCADA & Communication Equipment	86,684	-	-	86,684	42,345	8,668	-	51,013	35,671
Tools	62,658	1,124	-	63,782	62,658	-	-	62,658	1,124
Vehicles	300,566	-	-	300,566	185,423	30,057	-	215,480	85,086
Laboratory Equipment	139,547	969	-	140,516	109,878	6,978	-	116,856	23,660
Miscellaneous Equipment	164,114	-	-	164,114	164,114	-	-	164,114	-
Total Capital Assets Being Depreciated:	18,256,416	352,886	-	18,609,302	6,316,394	547,693	-	6,864,087	11,745,215
Total Capital Assets	\$ 18,979,163	\$ 352,886	\$ -	\$ 19,332,049	\$ 6,316,394	\$ 547,693	\$ -	\$ 6,864,087	\$ 12,467,962

D. Accounts Receivable

The accounts receivable on the balance sheet are listed below:

User Charges:

Water Rates	\$ 252,026
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Unbilled Water Rates	\$ 285,620
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Merchandising and Jobbing	\$ 27,252
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Intergovernmental

Due from Commonwealth of Massachusetts	\$ 39,203
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E. Debt

i Bond Anticipation Notes Payable

The Department has various notes payable outstanding as of June 30, 2015 as follows:

<u>Purpose</u>	Balance Beginning of Year	Issued	Redeemed	Balance End of Year	Interest Rate	Maturity Date
<u>Bond Anticipation Notes</u>						
Cobbs Well	\$ 184,100	\$ -	\$ (184,100)	\$ -		
Well Production Facility	196,700	-	(196,700)	-		
Capital Improvement Well # 2	117,100	-	(117,100)	-		
Water Capital Improvement	290,000	-	(290,000)	-		
Well # 2 Redevelopment	<u>3,750,000</u>	<u>-</u>	<u>(3,750,000)</u>	<u>-</u>		
Total Bond Anticipation Notes Payable	<u>\$ 4,537,900</u>	<u>\$ -</u>	<u>\$ (4,537,900)</u>	<u>\$ -</u>		

E. Debt (Continued)

ii Long Term Debt

General obligation bonds outstanding at June 30, 2015, bear interest at various rates.

(a) Changes in Long Term Debt - the following is a summary of bond transactions for the year ended June 30, 2015:

	Balance Beginning of Year	Additions	Reductions	Balance End of Year	Current Portion
<u>Long Term Obligations</u>					
General Obligation Bonds	\$ 1,185,000	\$ 4,486,000	\$ (285,000)	\$5,386,000	\$396,000
Premium	-	121,045	-	121,045	6,052
Discounts	<u>(19,794)</u>	<u>-</u>	<u>16,442</u>	<u>(3,352)</u>	<u>(813)</u>
Total Bonds Payable	1,165,206	4,607,045	(268,558)	5,503,693	401,239
Compensated Absences	65,622	39,384	(49,217)	55,789	16,737
Lease Payable	49,241	-	(15,776)	33,465	15,776
Other Post Employment Benefits	234,260	104,723	(81,005)	257,978	-
Net Pension Liability	<u>913,326</u>	<u>418</u>	<u>-</u>	<u>913,744</u>	<u>-</u>
Total Long Term Obligations	<u>\$ 2,427,655</u>	<u>\$ 4,751,570</u>	<u>\$ (414,556)</u>	<u>\$ 6,764,669</u>	<u>\$ 433,752</u>

(b) Summary of Debt Service Requirements to Maturity

	<u>Long Term Debt</u>	
	<u>Principal</u>	<u>Interest</u>
2016	\$396,000	\$154,476
2017	390,000	143,349
2018	335,000	133,330
2019	330,000	124,342
2020	320,000	115,330
2021	320,000	106,305
2022	310,000	96,980
2023	310,000	87,950
2024	240,000	78,912
2025	240,000	71,612
2026	240,000	64,313
2027	240,000	57,013
2028	230,000	49,862
2029	230,000	42,863
2030	220,000	35,862
2031	215,000	29,338
2032	215,000	22,888
2033	205,000	16,331
2034	205,000	9,669
2035	<u>195,000</u>	<u>3,169</u>
Total	<u>\$5,386,000</u>	<u>\$1,443,894</u>

E. Debt (Continued)

(c) Bond Authorizations

There were not any long-term debt authorizations voted by the Department/Town which were not issued or rescinded as of June 30, 2015.

(d) Refunding of Long Term Debt

On December 15, 2007, the Town of Littleton issued general obligation bonds in the amount of \$4,670,000 with a variable interest rate ranging from 3.63% to 5.00%, of which \$414,225 related to the Department. All of the Department's portion was issued to advance refund \$405,000 of term bonds with a variable interest rate range from 4.17% to 7.00%. The term bonds had a maturity date of January 1, 2019 and were callable on January 1, 2010. The general obligation bonds were issued at 4.00% and, after paying issuance costs, and additional costs totaling \$25,806, the net proceeds for the Department were \$415,905. The net proceeds from the issuance of the general obligation bonds were used to purchase U.S. government securities and those securities were deposited in an irrevocable trust (co-mingled with the Town's obligation) with an escrow agent to provide debt service payments until the term bonds are matured in September of 2017. The advance refunding met the requirements of an in-substance debt defeasance and the refunded term bonds were removed from the Department's financial statements.

As a result of the advance refunding, the Department reduced its total debt service cash flow requirements by \$16,239 which resulted in an economic gain (difference between the present value of the debt service payment on the old and new debt) of \$15,269.

On December 7, 2012, the Town of Littleton issued general obligation bonds in the amount of \$5,437,000 with an average interest rate of 1.43%, of which \$652,000 related to the Water Department. All of the Department's portion was issued to advance refund \$650,000 of term bonds with an average interest rate of 4.91%. The term bonds had a maturity date of January 15, 2023. The Water portion of the general obligation bonds were issued with a premium of \$18,429. After paying issuance costs and other costs, the net proceeds of the Department were used to purchase U.S. government securities and those securities were deposited in an irrevocable trust (co-mingled with the Town's obligation) with an escrow agent to provide debt service payments until the term bonds are matured in January of 2023. The advance refunding met the requirements of an in-substance debt defeasance and the refunded term bonds were removed from the Department's financial statements.

E. Debt (Continued)

As a result of the advance refunding, the Department reduced its total debt service cash flow requirements by \$95,733 which resulted in an economic gain (difference between the present value of the debt service payment on the old and new debt) of \$92,473.

IV. Other Information

A. Pension Plans

a. General Information about the Pension Plan
Plan Description

The Department provides pension benefits to eligible employees by contributing to the Middlesex County Retirement System, a cost sharing multiple-employer defined benefit pension plan administered by the Middlesex County Retirement System. The System is administered by a five member board on behalf of all eligible current employees and retirees. The system provides retirement benefits, cost of living adjustments, disability benefits and death benefits.

The system is a member of the Massachusetts Contributory Retirement System and is governed by Chapter 32 of the Massachusetts General Laws (M.G.L.). The authority to establish and amend benefit provisions requires a statutory change to Chapter 32. The Middlesex County Retirement System issues a stand-alone financial report that is available to the public at <http://www.middlesexretirement.org/MCRS%20Final%20Audit%20Report%2012-31-14%20Financial%20Statements%20and%20GASB%2068.pdf> or by writing to the Middlesex County Retirement System, 25 Linnell Circle, P.O. Box 160, Billerica, Massachusetts 01865.

Benefits Provided

The Middlesex County Retirement System provides retirement, disability and death benefits as detailed below:

Retirement Benefits

Employees covered by the Contributory Retirement Law are classified into one of four groups depending on job classification. Group 1 comprises most positions in state and local government. It is the general category of public employees. Group 4 comprises mainly police and firefighters. Group 2 is for other specified hazardous occupations. (Officers and inspectors of the State Police are classified as Group 3.)

For employees hired prior to April 2, 2012, the annual amount of the retirement allowance is based on the member's final three-year average salary multiplied by the number of years and full months of creditable service at the time of retirement and multiplied by a percentage according to the table below based on the age of the member at retirement.

<u>Benefit %</u>	<u>Group 1</u>	<u>Group 2</u>	<u>Group 4</u>
<u>Hired on or before April 1 2012</u>			
2.50%	65+	60+	55+
2.40%	64	59	54
2.30%	63	58	53
2.20%	62	57	52
2.10%	61	56	51
2.00%	60	55	50
1.90%	59	N/A	49
1.80%	58	N/A	48
1.70%	57	N/A	47
1.60%	56	N/A	46
1.50%	55	N/A	45

For employees hired on April 2, 2012 or later, the annual amount of the retirement allowance is based on the member's final five-year average salary multiplied by the number of years and full months of creditable service at the time of retirement and multiplied by a percentage according to the tables below based on the age and years of creditable service of the member at retirement:

<u>Benefit %</u>	<u>Group 1</u>	<u>Group 2</u>	<u>Group 4</u>
<u>Hired on after April 1 2012</u>			
2.50%	67+	62+	57+
2.35%	66	61	56
2.20%	65	60	55
2.05%	64	59	54
1.90%	63	58	53
1.75%	62	57	52
1.60%	61	56	51
1.45%	60	55	50

For all employees, the maximum annual amount of the retirement allowance is 80 percent of the member's final average salary. Any member who is a veteran also receives an additional yearly retirement allowance of \$15 per year of creditable service, not exceeding \$300. The veteran allowance is paid in addition to the 80 percent maximum.

Retirement Benefits - Superannuation

Members of Group 1, 2 or 4 hired prior to April 2, 2012 may retire upon the attainment of age 55. For retirement at ages below 55, twenty years of creditable service is required.

Members hired prior to April 2, 2012 who terminate before age 55 with ten or more years of creditable service are eligible for a retirement allowance upon the attainment of age 55 (provided they have not withdrawn their accumulated deductions from the Annuity Savings Fund of the System).

Members of Group 1 hired April 2, 2012 or later may retire upon the attainment of age 60. Members of Group 2 or 4 hired April 2, 2012 or later may retire upon the attainment of age 55. Members of Group 4 may retire upon attainment of age 50 with ten years of creditable service.

Members hired April 2, 2012 or later who terminate before age 55 (60 for members of Group 1) with ten or more years of creditable service are eligible for a retirement allowance upon the attainment of age 55 (60 for members of Group 1) provided they have not withdrawn their accumulated deductions from the Annuity Savings Fund of the System.

Ordinary Disability Benefits

A member who is unable to perform his or her job due to a non-occupational disability will receive a retirement allowance if he or she has ten or more years of creditable service and has not reached age 55. The annual amount of such allowance shall be determined as if the member retired for superannuation at age 55 (age 60 for Group 1 members hired on or after April 2, 2012), based on the amount of creditable service at the date of disability. For veterans, there is a minimum benefit of 50 percent of the member's most recent year's pay plus an annuity based on his or her own contributions.

Accidental Disability Benefit

For a job-connected disability, the benefit is 72 percent of the member's most recent annual pay plus an annuity based on his or her own contributions, plus additional amounts for surviving children. Benefits are capped at 75 percent of annual rate of regular compensation for employees who become members after January 1, 1988.

Death Benefits

In general, the beneficiary of an employee who dies in active service will receive a refund of the employee's own contributions. Alternatively, if the employee were eligible to retire on the date of death, a spouse's benefit will be paid equal to the amount the employee would have received under Option C. The surviving spouse of a member who dies with two or more years of credited service has the option of a refund of the employee's contributions or a monthly benefit regardless of eligibility to retire, if they were married for at least one year. There is also a minimum widow's pension of \$500 per month, and there are additional amounts for surviving children.

If an employee's death is job-connected, the spouse will receive 72 percent of the member's most recent annual pay, in addition to a refund of the member's accumulated deductions, plus additional amounts for surviving children. However, in accordance with Section 100 of Chapter 32, the surviving spouse of a police officer, firefighter or corrections officer who is killed in the line of duty will be eligible to receive an annual benefit equal to the maximum salary held by the member at the time of death. Upon the death of a job-connected disability retiree who retired prior to November 7, 1996 and could not elect an Option C benefit, a surviving spouse will receive an allowance of \$9,000 per year if the member dies for a reason unrelated to cause of disability.

Contributions

Active members of the Middlesex County Retirement System contribute either 5%, 7%, 8% or 9% of their gross regular compensation depending on the date upon which their membership began. An additional 2% is required from employees for earnings in excess of \$30,000. The Town is required to pay an actuarially determined rate. The contribution requirement of plan members is determined by M.G.L. Chapter 32. The contribution requirements are established by and may be amended by the Middlesex County Retirement System with the approval of the Public Employee Retirement Administration Commission.

The Town's contractually required contribution rate for the year ended June 30, 2015 was 16.51% of covered payroll, actuarially determined as an amount that, when combined with employee contributions, is expected to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability. Contributions to the pension plan from the Town were \$1,711,410 (the Water Department's share was \$101,662) for the year ending June 30, 2015.

b. Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At June 30, 2015, the Town reported a liability of \$19,021,595 for its proportionate share of the net pension liability (the Water Department's share was \$913,744). The net pension liability was measured as of December 31, 2014, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of that date. Accordingly, update procedures were utilized to roll forward the liability to the measurement date. The Town's proportion of the net pension liability was based on a projection of the Town's long-term share of contributions to the pension plan relative to the projected contributions of all participating members, actuarially determined. At December 31, 2014, the Town's proportion was 1.583397 %. Since this is the implementation year of GASB 68 the increase/decrease of its proportion measured as of December 31, 2013 was not calculated.

Chapter 176 of the Acts of 2011 was incorporated in this valuation, which changes many of the benefit features for members hired on or after April 2, 2012. In addition, the COLA base was increased to \$15,000 effective July 1, 2014.

For the year ended June 30, 2015, the Town recognized pension expense of \$1,720,089 (the Water Department recognized a pension expense of \$82,908). Since the system performs an actuarial valuation bi-annually, there are not reported differences between expected and actual experience or a change of assumptions as of December 31, 2014. Additionally, the changes in proportion and differences between employer contributions and proportionate share of contributions are not presented in the initial year of reporting in accordance with GASB Statements 67, 68 and 71. At June 30, 2015, the Town reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

Town of Littleton, Massachusetts

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$ -	\$ -
Change in assumptions	-	-
Net differences between projected and actual earnings on pension plan investments	64,237	-
Changes in proportion and differences between contributions and proportionate share of contributions	-	-
Contributions subsequent to the measurement date	-	-
	<u>\$ 64,237</u>	<u>\$ -</u>

Littleton Water Department

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$ -	\$ -
Change in assumptions	-	-
Net differences between projected and actual earnings on pension plan investments	3,096	-
Changes in proportion and differences between contributions and proportionate share of contributions	-	-
Contributions subsequent to the measurement date	-	-
	<u>\$ 3,096</u>	<u>\$ -</u>

Contributions made subsequent to the measurement date (deferred outflows of resources) are recognized as a reduction of the net pension liability in the next fiscal year. The Town did not have any deferred outflows of resources for contributions made subsequent to the measurement date. Other amounts reported as deferred outflows and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Town of Littleton, Massachusetts

Year ended June 30:	Amount
2016	\$ 16,059
2017	\$ 16,059
2018	\$ 16,059
2019	\$ 16,060
2020	-
Thereafter	

Littleton Water Department

Year ended June 30:	Amount
2016	\$ 774
2017	\$ 774
2018	\$ 774
2019	\$ 774
2020	
Thereafter	

Actuarial Assumptions

The total pension liability as of December 31, 2014 was determined by updating an actuarial valuation as of January 1, 2014, using the following actuarial assumptions, applied to all periods included in the measurement:

Valuation date	January 1, 2014			
Actuarial Cost Method	Entry age normal cost method			
Amortization Method	Prior year's total contribution increased by 6.5% for fiscal year 2016 through fiscal year 2020, and thereafter the remaining unfunded liability will be amortized on a 4.0% annual increasing basis; ERI Liability amortized in level payments.			
Remaining Amortization Period	As of July 1, 2014, 5 years remaining for the 2002 ERI liability; 6 years remaining for the 2003 ERI liability; 8 years remaining for the 2010 ERI liability and 21 years for the remaining unfunded liability.			
Asset Valuation Method	The difference between the expected return and the actual investment return on a market value basis is recognized over a five-year period as described by Revenue Procedure 2000-40. Asset value is adjusted to be within 20% of market value.			
Investment rate of return	7.875% (8% in previous valuation)			
Discount Rate	7.875% (previously 8.0%)			
Inflation	4.00%			
Projected Salary Increases	<u>Years of Service</u>	<u>Group 1</u>	<u>Group 2</u>	<u>Group 4</u>
	0	6.00%	6.00%	7.00%
	1	5.50%	5.50%	6.50%
	2	5.50%	5.50%	6.00%
	3	5.25%	5.25%	5.75%
	4	5.25%	5.25%	5.25%
	5	4.75%	4.75%	5.25%
	6	4.75%	4.75%	4.75%
	7	4.50%	4.50%	4.75%
	8	4.50%	4.50%	4.75%
	9+	4.25%	4.50%	4.75%
Cost of Living Adjustments	3.00% of first \$14,000			

Mortality Rates were based on the tables noted below:

Healthy:

Pre-Retirement	RP-2000 Employee Mortality Table projected 22 years with Scale AA (previously, projected 12 years with Scale AA)
Post-Retirement	RP-2000 Healthy Annuitant Mortality Table projected 17 years with Scale AA (previously, projected 12 years with Scale AA)
Disabled	RP-2000 Healthy Annuitant Mortality Table set forward three years projected 17 years with Scale AA (previously, set forward 2 years and projected 0 years)

In performing the actuarial valuation, various assumptions are made regarding mortality, retirement, disability and withdrawal rates as well as salary increases and investment returns. A comparison of the results of the current valuation and the prior valuation is made to determine how closely actual experience relates to expected. The RP-2000 Employee Mortality Table projected 22 years with Scale AA and the RP-2000 Healthy Annuitant Mortality Table projected 17 years with Scale AA were determined to contain provisions appropriate to reasonably reflect future mortality improvement, based on a review of the mortality experience of the plan.

The long-term expected rate of return on pension 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. The target allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the following table:

	<u>Target Allocation</u>	<u>Long Term Expected Rate of Return</u>
Domestic Equity	19.60%	6.60%
International developed markets equity	15.60%	7.10%
International emerging markets equity	6.50%	9.40%
Core fixed income	15.30%	2.20%
High yield fixed income	8.30%	4.70%
Real estate	9.90%	4.40%
Commodities	3.90%	4.40%
Short-term government money market	0.00%	1.80%
Hedge fund, GTAA. Risk parity	9.80%	3.90%
Private equity	11.10%	11.70%
	<u>100%</u>	

Rate of Return

The annual money-weighted rate of return on pension plan investments for December 31, 2014 (net of investment expenses) was 7.54%. The money-weighted rate of return expresses investment performance, net of pension plan investment expense, is adjusted for the changing amounts actually invested, measured monthly.

Discount Rate

The discount rate used to measure the total pension liability was 7.875% (8.0 % in the previous valuation). The projection of cash flows used to determine the discount rate assumed plan member contributions will be made at the current contribution rate and that the Middlesex County Retirement System contributions will be made at rates equal to 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.

Sensitivity of the Town's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate

The following presents the net pension liability of the Middlesex County Retirement System, calculated using the discount rate of 7.875%, as well as what the Middlesex County Retirement System's net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower (6.875%) or 1-percentage-point higher (8.875%) than the current rate:

	1% Decrease (6.875%)	Discount Rate (7.875%)	1% Increase (8.875%)
Town's proportionate share of the Net Pension Liability	\$23,001,141	\$19,021,595	\$15,633,471

Pension Plan Fiduciary Net Position

Detailed information about the pension plan's fiduciary net position is available in the separately issued Middlesex County Retirement System financial report. The System issues a stand-alone financial report is available that can be obtained through the System's website at:

<http://www.middlesexretirement.org/MCRS%20Final%20Audit%20Report%2012-31-14%20Financial%20Statements%20and%20GASB%2068.pdf>.

B. Other Postemployment Benefits (OPEB) Disclosures – GASB 43 and 45

The Governmental Accounting Standards Board (GASB) issued Statement No. 43 (GASB 43) – “Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans” and Statement No. 45 (GASB 45), “Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions”. These statements require the Department to account for and report the value of its future OPEB obligations currently rather than on a pay as you go basis. Certain information that is required to be disclosed by GASB 43 and 45, is noted below. In addition, certain other Required Supplementary Information (RSI), required by the GASB, is presented following the notes to the financial statements.

- a. **Plan Description.** In addition to providing pension benefits described above, the Department provides the majority of retired employees with payments for a portion of their health care and life insurance benefits. Currently there are 10 active employees and 3 retired employees (including beneficiaries and dependents) who are eligible to participate in the plan.
- b. **Funding Policy.** For employees hired prior to July 1, 2010, the Department will contribute 70% of the premium. The retiree or surviving spouse will be responsible for the remaining 30%. For employees hired after July 1, 2010, the Department will contribute 50% of the premium. The retiree or surviving spouse will be responsible for the remaining 50%. Benefits paid by the Department are on a pay-as-you-go basis. However, contributions are made to an OPEB Trust. The contribution requirements of plan members and the Department are established by contractual negotiations and may be amended from time to time.
- c. **Annual OPEB Cost and OPEB Obligation.** The annual Other Postemployment Benefit (OPEB) cost is calculated based on the Annual Required Contribution (ARC) of the Department, an amount that has been actuarially determined in accordance with the

parameters of GASB 43 and 45. The ARC represents a level of funding that, if paid on an ongoing basis, is projected to cover normal costs each year and to amortize any unfunded actuarial liabilities over a period not to exceed thirty years. The following table shows the components of the Department's annual OPEB cost for the fiscal year ended June 30, 2015, the amount actually contributed to the plan, and the Department's Net OPEB Obligation (NOO):

Annual Required Contribution (ARC)	\$108,562
Interest on Net OPEB Obligation	10,542
Adjustment to Annual Required Contribution	(14,381)
Annual OPEB Cost (Expense)	<u>104,723</u>
Contributions Made:	
Employer Benefit Payments	(21,077)
Implicit Subsidy	(9,928)
Contributions to OPEB Trust	<u>(50,000)</u>
Total Contributions	<u>(81,005)</u>
Increase in Net OPEB Obligation	23,718
Net OPEB Obligation (NOO)- Beginning of Year	234,260
Net OPEB Obligation (NOO)- End of Year	<u><u>\$257,978</u></u>

The Department's annual OPEB cost, the percentage of the annual OPEB cost contributed to the plan and the net OPEB obligation for the past three years are as follows:

<u>Fiscal Year</u> <u>Ended June 30</u>	<u>Annual</u> <u>OPEB Cost</u>	<u>Percentage of</u> <u>Annual OPEB</u> <u>Cost Contributed</u>	<u>Net OPEB</u> <u>Obligation</u>
2013	\$101,377	49%	\$209,951
2014	\$103,985	77%	\$234,260
2015	\$104,723	77%	\$257,978

- d. **Funded Status and Funding Progress.** As of July 1, 2014 the most recent actuarial valuation date, the Actuarial Accrued Liability (AAL) for benefits was \$1,191,115, and the actuarial value of assets was \$152,051, resulting in an Unfunded Actuarial Accrued Liability (UAAL) of \$1,039,064. **Subsequent to the valuation date, the Department contributed to the OPEB Trust Fund. The balance in the OPEB Trust Fund as of June 30, 2015 is \$205,586.**

Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include 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 (RSI) 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.

- e. **Actuarial Methods and Assumptions.** Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employer and the plan members) and considers 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 effects of short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

In the July 1, 2014, actuarial valuation, the projected unit credit method was used. The actuarial assumptions included a 5.5% (previously 4.5%) investment rate of return (net of administrative expenses) and an annual healthcare cost trend rate of 8% initially, reduced by decrements of 1% to an ultimate rate of 5%. The actuarial value of assets is determined using market value. The UAAL is being amortized over a thirty year open end amortization period.

C. Subsequent Year's Authorization

At the May 4, 2015 annual Town meeting, the Town adopted the fiscal year 2016 budget for the Water Department. The \$3,103,000 budget will be funded by water user charges and other revenues generated by the Department (\$3,003,000) and unrestricted retained earnings (\$100,000).

D. Prior Period Adjustment

Fiscal year 2015 is the implementation year for *Governmental Accounting Standards Board Statement # 68, Accounting and Financial Reporting for Pensions, an Amendment of GASB Statement No. 27*. In accordance with the statement, a prior period adjustment (\$910,230) was made to reflect the net pension liability as of July 1, 2014. The net position prior to the restatement was \$7,762,017. The restated balance was \$6,851,781.

Required Supplementary Information

Required Supplementary Information
Schedule of the Town of Littleton Massachusetts' Proportionate Share of the Net Pension Liability
Middlesex County Retirement System
Last Ten Fiscal Years**

	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>	<u>2007</u>	<u>2006</u>
Town's proportionate share of net pension liability (asset) (%)	1.583397%	<i>(Historical information prior to implementation of GASB 67/68 is not required)</i>								
Town's proportionate share of net pension liability (asset) (\$)	\$19,021,595									
Town's covered-employee payroll	\$10,367,883									
Town's proportionate share of net pension liability (asset) as a percentage of its covered-employee payroll	183.47%									
Plan fiduciary net position as a percentage of the pension liability	47.65%									
Littleton Water Department's proportionate share of net pension liability (asset) (\$)	\$913,744									

** The amounts presented for each fiscal year were determined as of December 31.

See Notes to the Required Supplementary Information

Required Supplementary Information
Schedule of the Town of Littleton, Massachusetts' Contributions
Middlesex County Retirement System
Last Ten Fiscal Years

	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>	<u>2007</u>	<u>2006</u>
Contractually required contribution	\$ 1,711,410	<i>(Historical information prior to implementation of GASB 67/68 is not required)</i>								
Contributions in relation to the contractually required contribution	<u>(1,711,410)</u>									
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Town's covered-employee payroll	10,367,883									
Contributions as a percentage of covered-employee payroll	16.51%	-								
Littleton Water Department's Contributions	<u>\$ 101,662</u>									

See Notes to the Required Supplementary Information

Littleton Municipal Water Department
 Required Supplementary Information
 Schedule of Funding Progress - Other Post Employment Benefits
 Fiscal Year Ended June 30, 2015

Actuarial Valuation <u>Date</u>	Actuarial Value of Assets <u>(a)</u>	Actuarial Accrued Liability (AAL) <u>(b)</u>	Unfunded AAL (UAAL) <u>(b) - (a)</u>	Funded Ratio <u>(a) / (b)</u>	Covered Payroll <u>(c)</u>	UAAL as a Percentage of Covered Payroll <u>[(b) - (a) / (c)]</u>
7/1/2010	\$27,414	\$991,784	\$964,370	2.8%	\$598,616	161.1%
7/1/2012	\$54,027	\$1,249,002	\$1,194,975	4.3%	\$677,808	176.3%
7/1/2014	\$152,051	\$1,191,115	\$1,039,064	12.8%	\$592,764	175.3%

Subsequent to the valuation date, the Department contributed to the OPEB Trust Fund. The balance in the OPEB Trust Fund as of June 30, 2015 was \$205,586.

This schedule of funding progress presents multi-year trend information about whether the actuarial value of plan assets is increasing or decreasing over time relative to the actuarial accrued liability for benefits.

Littleton Municipal Water Department
 Required Supplementary Information
 Valuation Details - Other Post Employment Benefits
 Fiscal Year Ended June 30, 2015

Valuation Date	July 1, 2014
Actuarial Cost Method	Projected Unit Credit
Amortization Method	Level Dollar
Remaining Amortization Period	30 years open end period
Asset Valuation Method	Market Value

Actuarial Assumptions:

Investment Rate of Return	5.50%, partial prefunding (4.5% in July 1, 2012 report)
Medical/Drug Cost Trend Rate	8.0% graded to an ultimate rate of 5.0% in year 4 In the July 1, 2012 report, 9.0% graded to an ultimate rate of 5.0% in year 5

Plan Membership:

	<u>Entire Town</u>	<u>Water Department</u>
Current retirees, beneficiaries, and dependents	158	3
Current active members	<u>382</u>	<u>10</u>
Total	540	13

Littleton Municipal Water Department
Notes to the Required Supplementary Information
June 30, 2015

I Pension Plans

a. Plan Description

The Department provides pension benefits to eligible employees by contributing to the Middlesex County Retirement System, a cost sharing multiple-employer defined benefit pension plan administered by the Middlesex County Retirement System. The System is administered by a five member board on behalf of all eligible current employees and retirees. The system provides retirement benefits, cost of living adjustments, disability benefits and death benefits.

The Department is a member of the Massachusetts Contributory Retirement System and is governed by Chapter 32 of the Massachusetts General Laws (MGL). The authority to establish and amend benefit provisions requires a statutory change to Chapter 32. The Middlesex County Retirement System issues a stand-alone financial report that is available to the public at <http://www.middlesexretirement.org/MCRS%20Final%20Audit%20Report%2012-31-14%20Financial%20Statements%20and%20GASB%2068.pdf> or by writing to the to the Middlesex County Retirement System, 25 Linnell Circle, P.O. Box 160, Billerica, Massachusetts 01865.

b. Funding Plan

Active members of the Middlesex County Retirement System contribute either 5%, 7%, 8% or 9% of their gross regular compensation depending on the date upon which their membership began. An additional 2% is required from employees for earnings in excess of \$30,000. The Department is required to pay an actuarially determined rate. The contribution requirements of plan members are determined by M.G.L. Chapter 32. The Department's contribution requirement is established and may be amended by the Middlesex County Retirement System with the approval of the Public Employee Retirement Administration Commission.

c. Changes in Benefit Terms

Chapter 176 of the Acts of 2011 was incorporated in this valuation, which changes many of the benefit features for members hired on or after April 2, 2012. In addition, the COLA base was increased to \$14,000 effective July 1, 2014.

d. Change in Assumptions

The following changes were effective January 1, 2014:

- The actuarial cost method was changed to better reflect the impact of the plan changes effective for employees hired on or after April 2, 2012.
- The pre-retirement mortality assumption was changed from the RP-2000 Employee Mortality Table projected 12 years with Scale AA to the RP-2000 Employee Mortality Table projected 22 years with Scale AA.
- The mortality assumption for non-disabled retirees was changed from the RP-2000 Healthy Annuitant Mortality Table projected 12 years with Scale AA to the RP-2000 Healthy Annuitant Mortality Table projected 17 years with Scale AA.

- The mortality assumption for disabled participants was changed from the RP-2000 Healthy Annuitant Mortality Table set forward two years to the RP-2000 Healthy Annuitant Mortality Table set forward three years projected 17 years with Scale AA.
 - The investment return assumption was lowered from 8.00% to 7.875%.
 - The salary increase assumption was changed from level rates of 4.75% per year for Group 1 and Group 2 members and 5.25% per year for Group 4 members, including an allowance for inflation of 4.5% per year, to rates based on years of service with ultimate rates of 4.25% per year for Group 1 members, 4.5% per year for Group 2 members and 4.75% per year for Group 4 members, including an allowance for inflation of 4.0% per year.
 - The assumed retirement age for inactive vested participants was changed from age 65 to age 60 for Group 1 and 2 members and remained the same at age 55 for Group 4 members hired prior to April 2, 2012. For participants hired April 2, 2012 or later, the assumption is 60 for Group 1 members, 55 for Group 2 members and 50 for Group 4 members.
 - The administrative expense assumption was increased from \$3,100,000 for calendar 2012 to \$3,400,000 for calendar 2014.
- e. Schedule of Town's Proportionate Share of the Net Pension Liability - Middlesex County Retirement System

The schedule details the Town's percentage of the collective net pension liability, the proportionate amount of the collective net pension liability, the Town's covered-employee payroll, the Town's proportionate share of the collective net pension liability as a percentage of the Town's covered-employee payroll and the plans fiduciary net position as a percentage of the total pension liability. In addition, the Water Department's share of the net pension liability is reported. As more information becomes available, this will be a ten year schedule.

f. Schedule of the Town's Contributions

The schedule details the Town's contractually required contributions, the contributions made by the Town, the deficiency/(excess) of contributions made by the Town, the Town's covered-employee payroll and the Town's contributions as a percentage of covered-employee payroll. In addition, the Water Department's share of the contributions is reported. As more information becomes available, this will be a ten year schedule.

II Other Postemployment Benefits (OPEB) Disclosures – GASB 43 and 45

The Governmental Accounting Standards Board (GASB) issued Statement No. 43 (GASB 43) – “Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans” and Statement No. 45 (GASB 45), “Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions”. These statements require the Department to account for and report the value of its future OPEB obligations currently rather than on a pay as you go basis.

- a. **Plan Description.** In addition to providing pension benefits described above, the Department provides the majority of retired employees with payments for a portion of their health care and life insurance benefits. Currently there are 10 active

employees and 3 retired employees (including beneficiaries and dependents) who are eligible to participate in the plan.

- b. **Funding Policy.** For employees hired prior to July 1, 2010, the Department will contribute 70% of the premium. The retiree or surviving spouse will be responsible for the remaining 30%. For employees hired after July 1, 2010, the Department will contribute 50% of the premium. The retiree or surviving spouse will be responsible for the remaining 50%. Benefits paid by the Department are on a pay-as-you-go basis. However, contributions are made to an OPEB Trust. The contribution requirements of plan members and the Department are established by contractual negotiations and may be amended from time to time.