

**TOWN OF NORWOOD, MASSACHUSETTS**

**Annual Financial Statements**

**For the Year Ended June 30, 2018**

# Town of Norwood, Massachusetts

## TABLE OF CONTENTS

	<u>PAGE</u>
<b>INDEPENDENT AUDITORS' REPORT</b>	1
<b>MANAGEMENT'S DISCUSSION AND ANALYSIS</b>	4
<b>BASIC FINANCIAL STATEMENTS:</b>	
<b>Government-Wide Financial Statements:</b>	
Statement of Net Position	12
Statement of Activities	13
<b>Fund Financial Statements:</b>	
<b>Governmental Funds:</b>	
Balance Sheet	14
Reconciliation of Total Governmental Fund Balances to Net Position of Governmental Activities in the Statement of Net Position	15
Statement of Revenues, Expenditures, and Changes in Fund Balances	16
Reconciliation of the Statement of Revenues, Expenditures, and Changes in Fund Balances of Governmental Funds to the Statement of Activities	17
Statement of Revenues and Other Sources, and Expenditures and Other Uses - Budget and Actual - General Fund	18
<b>Proprietary Funds:</b>	
Statement of Net Position	19
Statement of Revenues, Expenses, and Changes in Fund Net Position	20
Statement of Cash Flows	21
<b>Fiduciary Funds:</b>	
Statement of Fiduciary Net Position	22
Statement of Changes in Fiduciary Net Position	23
<b>Notes to Financial Statements</b>	24

**REQUIRED SUPPLEMENTARY INFORMATION:**

**Pension:**

Schedule of Proportionate Share of the Net Pension Liability (GASB 68) 61

Schedule of Pension Contributions (GASB 68) 62

**OPEB:**

Schedule of Changes in Net OPEB Liability (GASB 74 and 75) 63

Schedules of Net OPEB Liability, Contributions, and  
Investment Returns (GASB 74 and 75) 64

## INDEPENDENT AUDITORS' REPORT

To the Board of Selectmen  
Town of Norwood, Massachusetts

**Additional Offices:**

Nashua, NH  
Manchester, NH  
Greenfield, MA  
Ellsworth, ME

### **Report on the Financial Statements**

We have audited the accompanying financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Town of Norwood, Massachusetts, as of and for the year ended June 30, 2018, (except for the Town of Norwood, Massachusetts' Contributory Retirement System which is as of and for the year ended December 31, 2017) and the related notes to the financial statements, which collectively comprise the Town of Norwood, Massachusetts' basic financial statements as listed in the Table of Contents.

### **Management's Responsibility for the Financial Statements**

The Town's 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 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 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 opinions.

## **Opinions**

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Town of Norwood, Massachusetts, as of June 30, 2018, and the respective changes in financial position and, where applicable, cash flows thereof and the respective budgetary comparison for the general fund 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 Management's Discussion and Analysis, and the Pension and OPEB schedules appearing on pages 61 to 64 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 evidence sufficient 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 February 14, 2019 on our consideration of the Town'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 solely 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 the effectiveness of the Town's 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 Town's internal control over financial reporting and compliance.

*Melanson Heath*

February 14, 2019

## **MANAGEMENT'S DISCUSSION AND ANALYSIS**

As management of the Town of Norwood, we offer readers this narrative overview and analysis of the financial activities of the Town for the fiscal year ended June 30, 2018.

### **A. OVERVIEW OF THE FINANCIAL STATEMENTS**

This discussion and analysis is intended to serve as an introduction to the basic financial statements. The basic financial statements are comprised of three components: (1) government-wide financial statements, (2) fund financial statements, and (3) notes to financial statements. This report also contains other supplementary information in addition to the basic financial statements themselves.

**Government-wide financial statements.** The government-wide financial statements are designed to provide readers with a broad overview of our finances in a manner similar to a private-sector business.

The Statement of Net Position presents information on all assets, liabilities, and deferred outflows/inflows of resources with the difference reported as net position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position is improving or deteriorating.

The Statement of Activities presents information showing how the Town's net position changed during the most recent fiscal year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of related cash flows. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in future fiscal periods (e.g., uncollected taxes and earned but unused vacation leave).

Both of the government-wide financial statements distinguish functions that are principally supported by taxes and intergovernmental revenues (governmental activities) from other functions that are intended to recover all or a significant portion of their costs through user fees and charges (business-type activities). The governmental activities include general government, public safety, education, public works, water and sewer, broadband cable, health and human services and culture and recreation. The business-type activities include electric light activities.

**Fund financial statements.** A fund is a grouping of related accounts that is used to maintain control over resources that have been segregated for specific activities or objectives. Fund accounting is used to ensure and demonstrate compliance with finance-related legal requirements. All of the funds can be divided into three categories: governmental funds, proprietary funds, and fiduciary funds.

**Governmental funds.** Governmental funds are used to account for essentially the same functions reported as governmental activities in the government-wide finan-

cial statements. However, unlike the government-wide financial statements, governmental fund financial statements focus on near-term inflows and outflows of spendable resources, as well as on balances of spendable resources available at the end of the fiscal year. Such information may be useful in evaluating a government's near-term financing requirements.

Because the focus of governmental funds is narrower than that of the government-wide financial statements, it is useful to compare the information presented for governmental funds with similar information presented for governmental activities in the government-wide financial statements. By doing so, readers may better understand the long-term impact of the government's near-term financing decisions. Both the governmental fund balance sheet and the governmental fund statement of revenues, expenditures, and changes in fund balances provide a reconciliation to facilitate this comparison between governmental funds and governmental activities.

An annual appropriated budget is adopted for the general fund. A budgetary comparison statement has been provided for the general fund to demonstrate compliance with this budget.

**Proprietary funds.** Proprietary fund reporting focuses on the determination of operating income, changes in net position (or cost recovery), financial position, and cash flows. The proprietary fund category includes enterprise funds.

Enterprise funds are used to report activity for which a fee is charged to external users, and must be used when one of the following criteria are met: (1) activity is financed with debt that is secured solely by a pledge of the net revenues from fees and charges, (2) laws or regulations require the activity's costs of providing services be recovered with fees and charges, and (3) the pricing policies of the activity establish fees and charges designed to recover its costs, including capital costs such as depreciation or debt service. The primary focus on these criteria is on fees charged to external users. Enterprise funds are used to report the same functions presented as business-type activities in the government-wide financial statements, only in more detail. Specifically, enterprise funds are used to account for electric operations, which is considered to be a major fund.

**Fiduciary funds.** Fiduciary funds are used to account for resources held for the benefit of parties outside the government. Fiduciary funds are not reflected in the government-wide financial statements because the resources of those funds are not available to support the Town's own programs. The accounting used for fiduciary funds is much like that used for proprietary funds.

**Notes to financial statements.** The notes provide additional information that is essential to a full understanding of the data provided in the government-wide and fund financial statements.

**Other information.** In addition to the basic financial statements and accompanying notes, this report also presents certain required supplementary information which is



required to be disclosed by accounting principles generally accepted in the United States of America.

## B. FINANCIAL HIGHLIGHTS

- As of the close of the current fiscal year, the total of assets and deferred outflows exceeded liabilities and deferred inflows by \$(62,338,494) (i.e., net position), a change of \$2,988,832 in comparison to the prior year.
- As of the close of the current fiscal year, governmental funds reported combined ending fund balances of \$8,971,494, a change of \$(12,174,712) in comparison to the prior year.
- At the end of the current fiscal year, unassigned fund balance for the general fund was \$6,596,156, which includes a stabilization fund balance of \$4,432,872.

## C. GOVERNMENT-WIDE FINANCIAL ANALYSIS

The following is a summary of condensed government-wide financial data for the current and prior fiscal years.

	<u>NET POSITION</u>					
	<u>Governmental Activities</u>		<u>Business-Type Activities</u>		<u>Total</u>	
	<u>2018</u>	<u>2017</u>	<u>2018</u>	<u>2017</u>	<u>2018</u>	<u>2017</u>
Current and other assets	\$ 36,638	\$ 34,024	\$ 19,967	\$ 18,780	\$ 56,605	\$ 52,804
Capital assets	<u>174,639</u>	<u>164,236</u>	<u>41,394</u>	<u>41,785</u>	<u>216,033</u>	<u>206,021</u>
Total assets	211,277	198,260	61,361	60,565	272,638	258,825
Deferred outflows of resources	5,543	7,431	259	350	5,802	7,781
Long-term liabilities outstanding	234,095	140,180	52,695	56,142	286,790	196,322
Other liabilities	<u>32,699</u>	<u>15,055</u>	<u>14,111</u>	<u>13,928</u>	<u>46,810</u>	<u>28,983</u>
Total liabilities	266,794	155,235	66,806	70,070	333,600	225,305
Deferred inflows of resources	6,855	83	323	4	7,178	87
Net position:						
Net investment in capital assets	104,255	99,243	15,523	13,793	119,778	113,036
Restricted	4,885	3,668	-	-	4,885	3,668
Unrestricted	<u>(165,969)</u>	<u>(52,538)</u>	<u>(21,032)</u>	<u>(22,952)</u>	<u>(187,001)</u>	<u>(75,490)</u>
Total net position	<u>\$ (56,829)</u>	<u>\$ 50,373</u>	<u>\$ (5,509)</u>	<u>\$ (9,159)</u>	<u>\$ (62,338)</u>	<u>\$ 41,214</u>

Fiscal year 2017 amounts were not restated as the Town applied GASB 75 prospectively.

As noted earlier, net position may serve over time as a useful indicator of a government's financial position. At the close of the most recent fiscal year, total net position was \$(62,338,494), a change of \$2,988,832 from the prior year.

The largest portion of net position \$119,777,069 reflects our investment in capital assets (e.g., land, buildings, machinery, equipment, and infrastructure), less any related debt used to acquire those assets that is still outstanding. These capital assets are used to provide services to citizens; consequently, these assets are not available for future spending. Although the investment in capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided from other sources, since the capital assets themselves cannot be used to liquidate these liabilities.

An additional portion of net position \$4,885,820 represents resources that are subject to external restrictions on how they may be used. The remaining balance of unrestricted net position deficit of \$(187,001,383) caused by unfunded pension and OPEB liabilities, as discussed in Notes 20 and 22.

CHANGES IN NET POSITION

	<u>Governmental</u>		<u>Business-Type</u>		<u>Total</u>	
	<u>Activities</u>		<u>Activities</u>			
	<u>2018</u>	<u>2017</u>	<u>2018</u>	<u>2017</u>	<u>2018</u>	<u>2017</u>
Revenues:						
Program revenues:						
Charges for services	\$ 29,217	\$ 30,692	\$ 55,339	\$ 50,818	\$ 84,556	\$ 81,510
Operating grants and contributions	22,055	20,930	-	-	22,055	20,930
Capital grants and contributions	457	3,060	-	-	457	3,060
General revenues:						
Property taxes	73,310	69,186	-	-	73,310	69,186
Excises	4,689	4,887	-	-	4,689	4,887
Penalties and interest on taxes	2,413	2,423	-	-	2,413	2,423
Grants and contributions not restricted to specific programs	5,254	5,053	-	-	5,254	5,053
Investment income	232	157	(98)	(11)	134	146
Other	688	2,946	60	452	748	3,398
Total revenues	<u>138,315</u>	<u>139,334</u>	<u>55,301</u>	<u>51,259</u>	<u>193,616</u>	<u>190,593</u>
Expenses:						
General government	12,267	10,495	-	-	12,267	10,495
Public safety	31,857	28,585	-	-	31,857	28,585
Education	63,541	62,370	-	-	63,541	62,370
Public works	11,797	11,355	-	-	11,797	11,355
Water and sewer	12,702	12,269	-	-	12,702	12,269
Broadband cable	6,208	6,249	-	-	6,208	6,249
Health and human services	2,202	2,006	-	-	2,202	2,006
Culture and recreation	6,076	5,102	-	-	6,076	5,102
Interest on long-term debt	1,951	1,767	-	-	1,951	1,767
Intergovernmental	1,722	1,609	-	-	1,722	1,609
Electric	-	-	40,303	41,937	40,303	41,937
Total expenses	<u>150,323</u>	<u>141,807</u>	<u>40,303</u>	<u>41,937</u>	<u>190,626</u>	<u>183,744</u>

(continued)

(continued)

	Governmental Activities		Business-Type Activities		Total	
	2018	2017	2018	2017	2018	2017
Change in net position before transfers	(12,008)	(2,473)	14,998	9,322	2,990	6,849
Transfers in (out)	<u>7,141</u>	<u>6,559</u>	<u>(7,141)</u>	<u>(6,559)</u>	<u>-</u>	<u>-</u>
Change in net position	(4,867)	4,086	7,857	2,763	2,990	6,849
Net position - beginning of year, as restated	<u>(51,962)</u>	<u>46,287</u>	<u>(13,366)</u>	<u>(11,922)</u>	<u>(65,328)</u>	<u>34,365</u>
Net position - end of year	<u>\$ (56,829)</u>	<u>\$ 50,373</u>	<u>\$ (5,509)</u>	<u>\$ (9,159)</u>	<u>\$ (62,338)</u>	<u>\$ 41,214</u>

Fiscal year 2017 amounts were not restated as the Town applied GASB 75 prospectively.

**Governmental activities.** Governmental activities for the year resulted in a change in net position of \$(4,867,410). Key elements of this change are as follows:

General fund operations, as discussed further in Section D	\$ (2,620,313)
Excess depreciation, a nonbudgeted expense, over principal maturities	(350,254)
Change in net OPEB liability and related deferred outflows/inflows	(6,461,421)
Change in net pension liability and related deferred outflows/inflows	981,710
Other	<u>3,582,868</u>
Total	<u>\$ (4,867,410)</u>

**Business-type activities.** Business-type (electric) activities for the year resulted in a change in net position of \$7,856,242, primarily because bond debt service payments continued to exceed depreciation expense.

#### **D. FINANCIAL ANALYSIS OF FUNDS**

As noted earlier, fund accounting is used to ensure and demonstrate compliance with finance-related legal requirements.

**Governmental funds.** The focus of governmental funds is to provide information on near-term inflows, outflows, and balances of spendable resources. Such information is useful in assessing financing requirements. In particular, unassigned fund balance may serve as a useful measure of a government's net resources available for spending at the end of the fiscal year.

As of the end of the current fiscal year, governmental funds reported combined ending fund balances of \$8,971,494, a change of \$(12,174,712) in comparison to the prior year. Key elements of this change are as follows:

General fund operating results	\$	(2,620,313)
Major fund operating results		(12,893,727)
Nonmajor funds operating results		<u>3,339,328</u>
Total	\$	<u><u>(12,174,712)</u></u>

The general fund is the chief operating fund. At the end of the current fiscal year, unassigned fund balance of the general fund was \$6,596,156 while total fund balance was \$12,800,320. As a measure of the general fund's liquidity, it may be useful to compare both unassigned fund balance and total fund balance to total general fund expenditures. Refer to the table below.

<u>General Fund</u>	<u>6/30/18</u>	<u>6/30/17</u>	<u>Change</u>	<u>% of Total General Fund Expenditures</u>
Unassigned fund balance	\$ 6,596,156	\$ 10,231,391	\$ (3,635,235)	4.9%
Total fund balance	\$ 12,800,320	\$ 15,420,633	\$ (2,620,313)	9.6%

The total fund balance of the general fund changed by \$(2,620,313) during the current fiscal year. Key factors in this change are as follows:

Shortfall of state and local revenues over budget	\$	(1,299,320)
Budgetary appropriation surplus		1,902,406
Surplus of tax collections over budget		896,935
Excess of current year encumbrances to be spent in the subsequent year, over prior year encumbrances spent in the current year		769,586
Use of free cash and overlay surplus, used primarily for new Town-wide financial management system conversion and to reduce tax levy		(5,181,807)
Change in stabilization balance		500,798
Other timing differences		<u>(208,911)</u>
Total	\$	<u><u>(2,620,313)</u></u>

Included in the total general fund balance is the Town's stabilization account with the following balance:

	<u>6/30/18</u>	<u>6/30/17</u>	<u>Change</u>
General stabilization	\$ 4,432,872	\$ 3,935,110	\$ 497,762
Capital stabilization	<u>109,856</u>	<u>106,820</u>	<u>3,036</u>
Total	<u><u>\$ 4,542,728</u></u>	<u><u>\$ 4,041,930</u></u>	<u><u>\$ 500,798</u></u>

**Proprietary funds.** Proprietary funds provide the same type of information found in the business-type activities reported in the government-wide financial statements, but in more detail.

Unrestricted net position of the enterprise funds at the end of the year amounted to \$(21,031,885), a change of \$1,919,966 in comparison to the prior year.

Other factors concerning the finances of proprietary funds have already been addressed in the entity-wide discussion of business-type activities.

#### **E. GENERAL FUND BUDGETARY HIGHLIGHTS**

There were no material differences between the original budget and the final amended budget.

#### **F. CAPITAL ASSET AND DEBT ADMINISTRATION**

**Capital assets.** Total investment in capital assets for governmental and business-type activities at year-end amounted to \$216,033,065 (net of accumulated depreciation). This investment in capital assets includes land, buildings and system, improvements, and machinery and equipment.

Major capital asset events during the current fiscal year included the following:

- \$13,021,605 – Forbes land acquisition
- \$ 1,093,460 – Highway improvements
- \$ 1,267,115 – Light infrastructure

Additional information on capital assets can be found in the Notes to the Financial Statements.

**Long-term debt.** At the end of the current fiscal year, total bonded debt outstanding was \$114,700,320, all of which was backed by the full faith and credit of the Town.

Additional information on long-term debt can be found in the Notes to the Financial Statements.

## **REQUESTS FOR INFORMATION**

This financial report is designed to provide a general overview of the Town of Norwood'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:

Office of the Director of Finance and Accounting  
Town of Norwood, Massachusetts  
566 Washington Street  
Norwood, Massachusetts 02062

TOWN OF NORWOOD, MASSACHUSETTS

STATEMENT OF NET POSITION

JUNE 30, 2018

	Governmental <u>Activities</u>	Business-Type <u>Activities</u>	<u>Total</u>
<b>ASSETS</b>			
Current:			
Cash and short-term investments	\$ 28,831,268	\$ 5,404,690	\$ 34,235,958
Investments	5,348,316	4,122,514	9,470,830
Receivables, net of allowance for uncollectibles:			
Property taxes	435,659	-	435,659
Excises	183,727	-	183,727
User fees	971,562	6,202,542	7,174,104
Departmental and other	293,374	-	293,374
Intergovernmental	249,518	-	249,518
Deposits held by others	-	4,236,105	4,236,105
Noncurrent:			
Receivables, net of allowance for uncollectibles:			
Property taxes	324,241	-	324,241
Capital assets:			
Land and construction in progress	35,281,058	6,833,405	42,114,463
Other capital assets, net of accumulated depreciation	139,357,600	34,561,002	173,918,602
<b>DEFERRED OUTFLOWS OF RESOURCES</b>			
Related to pensions	5,207,294	245,370	5,452,664
Related to OPEB	336,113	14,005	350,118
<b>TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES</b>	<b>216,819,730</b>	<b>61,619,633</b>	<b>278,439,363</b>
<b>LIABILITIES</b>			
Current:			
Warrants payable	3,690,961	1,887	3,692,848
Accrued liabilities	4,049,259	2,090,828	6,140,087
Tax refunds payable	796,805	-	796,805
Customer deposits and reserves	-	4,484,533	4,484,533
Notes payable	16,177,756	-	16,177,756
Other current liabilities	1,342,965	-	1,342,965
Current portion of long-term liabilities:			
Bonds payable	6,474,076	7,515,148	13,989,224
Other	167,015	18,651	185,666
Noncurrent:			
Bonds payable, net of current portion	55,827,030	44,884,066	100,711,096
Net pension liability	28,118,857	1,324,973	29,443,830
Net OPEB liability	147,156,299	6,131,513	153,287,812
Other, net of current portion	2,993,294	354,366	3,347,660
<b>DEFERRED INFLOWS OF RESOURCES</b>			
Related to pensions	6,854,584	322,991	7,177,575
<b>TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES</b>	<b>273,648,901</b>	<b>67,128,956</b>	<b>340,777,857</b>
<b>NET POSITION</b>			
Net investment in capital assets	104,254,507	15,522,562	119,777,069
Restricted for:			
Grants and other statutory restrictions	4,092,196	-	4,092,196
Permanent funds:			
Nonexpendable	489,633	-	489,633
Expendable	303,991	-	303,991
Unrestricted	(165,969,498)	(21,031,885)	(187,001,383)
<b>TOTAL NET POSITION</b>	<b>\$ (56,829,171)</b>	<b>\$ (5,509,323)</b>	<b>\$ (62,338,494)</b>

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

TOWN OF NORWOOD, MASSACHUSETTS

STATEMENT OF ACTIVITIES

FOR THE YEAR ENDED JUNE 30, 2018

	<u>Expenses</u>	<u>Program Revenues</u>			<u>Net (Expenses) Revenues and Changes in Net Position</u>		
		<u>Charges for Services</u>	<u>Operating Grants and Contributions</u>	<u>Capital Grants and Contributions</u>	<u>Governmental Activities</u>	<u>Business-Type Activities</u>	<u>Total</u>
<b>Governmental Activities:</b>							
General government	\$ 12,266,993	\$ 947,199	\$ 459,110	\$ -	\$ (10,860,684)	\$ -	\$ (10,860,684)
Public safety	31,857,419	2,157,202	143,819	-	(29,556,398)	-	(29,556,398)
Education	63,541,263	2,535,701	20,339,234	-	(40,666,328)	-	(40,666,328)
Public works	11,796,710	1,072,036	134,524	457,106	(10,133,044)	-	(10,133,044)
Water and sewer	12,702,263	14,437,834	-	-	1,735,571	-	1,735,571
Broadband cable	6,208,499	7,737,616	-	-	1,529,117	-	1,529,117
Health and human services	2,201,617	116,041	251,148	-	(1,834,428)	-	(1,834,428)
Culture and recreation	6,076,480	213,141	727,186	-	(5,136,153)	-	(5,136,153)
Interest	1,950,615	-	-	-	(1,950,615)	-	(1,950,615)
Intergovernmental	1,722,356	-	-	-	(1,722,356)	-	(1,722,356)
Total Governmental Activities	150,324,215	29,216,770	22,055,021	457,106	(98,595,318)	-	(98,595,318)
<b>Business-Type Activities:</b>							
Electric light services	40,302,913	55,338,692	-	-	-	15,035,779	15,035,779
Total	\$ 190,627,128	\$ 84,555,462	\$ 22,055,021	\$ 457,106	(98,595,318)	15,035,779	(83,559,539)
<b>General Revenues and Transfers:</b>							
Property taxes					73,309,844	-	73,309,844
Excises					4,688,766	-	4,688,766
Penalties, interest and other taxes					2,413,487	-	2,413,487
Grants and contributions not restricted to specific programs					5,253,718	-	5,253,718
Investment income					231,863	(98,224)	133,639
Miscellaneous					689,487	59,430	748,917
Transfers, net					7,140,743	(7,140,743)	-
Total general revenues and transfers					93,727,908	(7,179,537)	86,548,371
Change in Net Position					(4,867,410)	7,856,242	2,988,832
<b>Net Position:</b>							
Beginning of year, as restated					(51,961,761)	(13,365,565)	(65,327,326)
End of year					\$ (56,829,171)	\$ (5,509,323)	\$ (62,338,494)

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



TOWN OF NORWOOD, MASSACHUSETTS

GOVERNMENTAL FUNDS

BALANCE SHEET

JUNE 30, 2018

	<u>General</u>	Forbes Land Acquisition <u>Fund</u>	Nonmajor Governmental <u>Funds</u>	Total Governmental <u>Funds</u>
<b>ASSETS</b>				
Cash and short-term investments	\$ 17,384,161	\$ 106,273	\$ 11,340,834	\$ 28,831,268
Investments	4,542,728	-	805,588	5,348,316
Receivables:				
Property taxes	1,132,317	-	4,816	1,137,133
Excises	362,701	-	-	362,701
User fees	1,405,749	-	-	1,405,749
Departmental and other	380,840	-	-	380,840
Intergovernmental	142,333	-	107,185	249,518
TOTAL ASSETS	<u>\$ 25,350,829</u>	<u>\$ 106,273</u>	<u>\$ 12,258,423</u>	<u>\$ 37,715,525</u>
<b>LIABILITIES</b>				
Warrants payable	\$ 3,680,011	\$ -	\$ 10,950	\$ 3,690,961
Accrued liabilities	3,386,788	-	-	3,386,788
Tax refunds payable	796,805	-	-	796,805
Notes payable	-	13,000,000	3,177,756	16,177,756
Other liabilities	1,342,965	-	-	1,342,965
TOTAL LIABILITIES	9,206,569	13,000,000	3,188,706	25,395,275
<b>DEFERRED INFLOWS OF RESOURCES</b>				
Unavailable revenues	3,343,940	-	4,816	3,348,756
<b>FUND BALANCES</b>				
Nonspendable	-	-	489,633	489,633
Restricted	-	-	8,595,005	8,595,005
Committed	109,856	-	593,616	703,472
Assigned	6,094,308	-	-	6,094,308
Unassigned	6,596,156	(12,893,727)	(613,353)	(6,910,924)
TOTAL FUND BALANCES	<u>12,800,320</u>	<u>(12,893,727)</u>	<u>9,064,901</u>	<u>8,971,494</u>
TOTAL LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND FUND BALANCES	<u>\$ 25,350,829</u>	<u>\$ 106,273</u>	<u>\$ 12,258,423</u>	<u>\$ 37,715,525</u>

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

TOWN OF NORWOOD, MASSACHUSETTS

RECONCILIATION OF TOTAL GOVERNMENTAL FUND  
BALANCES TO NET POSITION OF GOVERNMENTAL  
ACTIVITIES IN THE STATEMENT OF NET POSITION

JUNE 30, 2018

<b>Total governmental fund balances</b>	\$ 8,971,494
• Capital assets used in governmental activities are not financial resources and, therefore, are not reported in the funds.	174,638,658
• Revenues are reported on the accrual basis of accounting and are not deferred until collection.	2,270,896
• Long-term liabilities, including bonds payable, net pension liability, net OPEB liability are not due and payable in the current period and, therefore, are not reported in the governmental funds.	(242,047,749)
• Other	<u>(662,470)</u>
<b>Net position of governmental activities</b>	<u><u>\$ (56,829,171)</u></u>

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

TOWN OF NORWOOD, MASSACHUSETTS  
GOVERNMENTAL FUNDS  
STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES  
FOR THE YEAR ENDED JUNE 30, 2018

	<u>General</u>	<u>Forbes Land Acquisition Fund</u>	<u>Nonmajor Governmental Funds</u>	<u>Total Governmental Funds</u>
<b>Revenues:</b>				
Property taxes	\$ 72,838,646	\$ -	\$ 593,658	\$ 73,432,304
Excises	4,953,422	-	-	4,953,422
Penalties, interest and other taxes	2,413,487	-	-	2,413,487
Charges for services	24,046,769	-	3,292,582	27,339,351
Intergovernmental	17,532,501	-	7,130,969	24,663,470
Licenses and permits	2,175,232	-	-	2,175,232
Investment income	220,998	-	10,865	231,863
Miscellaneous	<u>243,743</u>	<u>127,878</u>	<u>1,122,254</u>	<u>1,493,875</u>
Total Revenues	124,424,798	127,878	12,150,328	136,703,004
<b>Expenditures:</b>				
Current:				
General government	5,923,754	13,021,605	877,279	19,822,638
Public safety	15,550,504	-	467,706	16,018,210
Education	50,342,574	-	6,719,114	57,061,688
Public works	9,195,384	-	1,415,094	10,610,478
Broadband cable	6,208,499	-	-	6,208,499
Water and sewer	11,560,235	-	-	11,560,235
Health and human services	1,351,356	-	285,449	1,636,805
Culture and recreation	2,840,023	-	982,358	3,822,381
Employee benefits	20,082,346	-	-	20,082,346
Debt service	8,562,823	-	-	8,562,823
Intergovernmental	<u>1,722,356</u>	<u>-</u>	<u>-</u>	<u>1,722,356</u>
Total Expenditures	<u>133,339,854</u>	<u>13,021,605</u>	<u>10,747,000</u>	<u>157,108,459</u>
Excess (deficiency) of revenues over expenditures	(8,915,056)	(12,893,727)	1,403,328	(20,405,455)
<b>Other Financing Sources (Uses):</b>				
Issuance of bonds	-	-	1,090,000	1,090,000
Transfers in	7,994,743	-	1,700,000	9,694,743
Transfers out	<u>(1,700,000)</u>	<u>-</u>	<u>(854,000)</u>	<u>(2,554,000)</u>
Total Other Financing Sources (Uses)	<u>6,294,743</u>	<u>-</u>	<u>1,936,000</u>	<u>8,230,743</u>
Excess (deficiency) of revenues and other sources over expenditures and other uses	(2,620,313)	(12,893,727)	3,339,328	(12,174,712)
Fund Balance, at Beginning of Year	<u>15,420,633</u>	<u>-</u>	<u>5,725,573</u>	<u>21,146,206</u>
Fund Balance, at End of Year	<u>\$ 12,800,320</u>	<u>\$ (12,893,727)</u>	<u>\$ 9,064,901</u>	<u>\$ 8,971,494</u>

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

TOWN OF NORWOOD, MASSACHUSETTS

RECONCILIATION OF THE STATEMENT OF REVENUES,  
EXPENDITURES, AND CHANGES IN FUND BALANCES OF  
GOVERNMENTAL FUNDS TO THE STATEMENT OF ACTIVITIES

FOR THE YEAR ENDED JUNE 30, 2018

<b>Net changes in fund balances - total governmental funds</b>	<b>\$ (12,174,712)</b>																
<ul style="list-style-type: none"> <li>• Governmental funds report capital outlays as expenditures. However, in the Statement of Activities the cost of those assets is allocated over their estimated useful lives and reported as depreciation expense: <table style="margin-left: 40px; width: 100%;"> <tr> <td style="width: 80%;">Capital outlay</td> <td style="text-align: right;">17,334,505</td> </tr> <tr> <td>Depreciation</td> <td style="text-align: right;">(6,932,006)</td> </tr> </table> </li> <li>• The issuance of long-term debt (e.g., bonds) provides current financial resources to governmental funds, while the repayment of the principal of long-term debt consumes the financial resources of governmental funds. Neither transaction, however, has any effect on net position: <table style="margin-left: 40px; width: 100%;"> <tr> <td style="width: 80%;">Issuance of debt</td> <td style="text-align: right;">(1,090,000)</td> </tr> <tr> <td>Repayments of debt</td> <td style="text-align: right;">6,581,752</td> </tr> </table> </li> <li>• Revenues in the Statement of Activities that do not provide current financial resources are fully deferred in the Statement of Revenues, Expenditures and Changes in Fund Balances. Therefore, the recognition of revenue for various types of accounts receivable (i.e., real estate and personal property, motor vehicle excise, etc.) differ between the two statements. This amount represents the net change in deferred revenue. <table style="margin-left: 40px; width: 100%;"> <tr> <td style="width: 80%;"></td> <td style="text-align: right;">(2,985,860)</td> </tr> </table> </li> <li>• Some expenses reported in the Statement of Activities do not require the use of current financial resources and, therefore, are not reported as expenditures in the governmental funds. <table style="margin-left: 40px; width: 100%;"> <tr> <td style="width: 80%;">Net pension liability and related deferred outflows and inflows of resources</td> <td style="text-align: right;">981,710</td> </tr> <tr> <td>Net OPEB liability and related deferred outflows and inflows of resources</td> <td style="text-align: right;">(6,461,421)</td> </tr> </table> </li> <li>• Other <table style="margin-left: 40px; width: 100%;"> <tr> <td style="width: 80%;"></td> <td style="text-align: right;"><u>(121,378)</u></td> </tr> </table> </li> </ul>	Capital outlay	17,334,505	Depreciation	(6,932,006)	Issuance of debt	(1,090,000)	Repayments of debt	6,581,752		(2,985,860)	Net pension liability and related deferred outflows and inflows of resources	981,710	Net OPEB liability and related deferred outflows and inflows of resources	(6,461,421)		<u>(121,378)</u>	
Capital outlay	17,334,505																
Depreciation	(6,932,006)																
Issuance of debt	(1,090,000)																
Repayments of debt	6,581,752																
	(2,985,860)																
Net pension liability and related deferred outflows and inflows of resources	981,710																
Net OPEB liability and related deferred outflows and inflows of resources	(6,461,421)																
	<u>(121,378)</u>																
<b>Change in net position of governmental activities</b>	<b><u><u>\$ (4,867,410)</u></u></b>																

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

TOWN OF NORWOOD, MASSACHUSETTS

GENERAL FUND

STATEMENT OF REVENUES AND OTHER SOURCES, AND EXPENDITURES AND OTHER USES - BUDGET AND ACTUAL

FOR THE YEAR ENDED JUNE 30, 2018

	Budgeted Amounts		Actual Amounts	Variance with Final Budget Positive (Negative)
	Original Budget	Final Budget		
<b>Revenues and Other Sources:</b>				
Property taxes	\$ 71,941,710	\$ 71,941,710	\$ 71,941,710	\$ -
Excise	4,695,753	4,695,753	4,953,422	257,669
Charges for services	25,663,383	25,663,383	24,046,769	(1,616,614)
Penalties, interest and other taxes	2,240,132	2,240,132	2,413,487	173,355
Licenses and permits	3,280,082	3,280,082	2,175,232	(1,104,850)
Intergovernmental	12,600,551	12,600,551	12,604,886	4,335
Investment income	223,097	223,097	126,064	(97,033)
Miscellaneous	-	-	116,736	116,736
Transfers in	7,027,661	7,027,661	7,994,743	967,082
Use of free cash	5,181,807	5,181,807	5,181,807	-
Other sources	206,573	206,573	206,573	-
<b>Total Revenues and Other Sources</b>	<b>133,060,749</b>	<b>133,060,749</b>	<b>131,761,429</b>	<b>(1,299,320)</b>
<b>Expenditures and Other Uses:</b>				
General government	6,138,303	6,138,303	6,026,331	111,972
Public safety	15,989,955	15,989,955	15,755,960	233,995
Education	45,266,625	45,266,625	45,157,066	109,559
Public works	9,437,985	9,437,985	9,369,281	68,704
Broadband cable	7,129,710	7,129,710	6,479,209	650,501
Water and sewer	11,658,111	11,658,111	11,566,608	91,503
Health and human services	1,412,171	1,412,171	1,345,829	66,342
Culture and recreation	2,910,553	2,910,553	2,830,146	80,407
Employee benefits	20,479,421	20,479,421	20,324,012	155,409
Debt service	8,560,289	8,560,289	8,436,881	123,408
Intergovernmental	1,926,762	1,926,762	1,722,356	204,406
Transfers out	2,105,864	2,105,864	2,105,864	-
Other uses	45,000	45,000	38,800	6,200
<b>Total Expenditures and Other Uses</b>	<b>133,060,749</b>	<b>133,060,749</b>	<b>131,158,343</b>	<b>1,902,406</b>
Excess (deficiency) of revenues and other sources over expenditures and other uses	\$ -	\$ -	\$ 603,086	\$ 603,086

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

TOWN OF NORWOOD, MASSACHUSETTS

PROPRIETARY FUNDS

STATEMENT OF NET POSITION

JUNE 30, 2018

	Business-Type Activities <u>Enterprise Funds</u> Electric Light <u>Fund</u>
<b>ASSETS</b>	
Current:	
Cash and short-term investments	\$ 5,404,690
Investments	4,122,514
Accounts receivable	6,202,542
Deposits held by others	<u>4,236,105</u>
Total current assets	19,965,851
Noncurrent:	
Capital Assets	
Land and construction in progress	6,833,405
Other capital assets, net of accumulated depreciation	<u>34,561,002</u>
Total noncurrent assets	41,394,407
<b>DEFERRED OUTFLOWS OF RESOURCES</b>	
Related to pensions	245,370
Related to OPEB	<u>14,005</u>
<b>TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES</b>	<b>61,619,633</b>
<b>LIABILITIES</b>	
Current:	
Warrants payable	1,887
Accrued liabilities	2,090,828
Customer deposits and reserves	4,484,533
Current portion of long-term liabilities:	
Bonds payable	7,515,148
Other	<u>18,651</u>
Total current liabilities	14,111,047
Noncurrent:	
Bonds payable, net of current portion	44,884,066
Net pension liability	1,324,973
Net OPEB liability	6,131,513
Other, net of current portion	<u>354,366</u>
Total noncurrent liabilities	52,694,918
<b>DEFERRED INFLOWS OF RESOURCES</b>	
Related to pensions	<u>322,991</u>
<b>TOTAL LIABILITIES AND DEFERRED INFLOWS OF RESOURCES</b>	<b>67,128,956</b>
<b>NET POSITION</b>	
Net investment in capital assets	15,522,562
Unrestricted	<u>(21,031,885)</u>
<b>TOTAL NET POSITION</b>	<b>\$ <u>(5,509,323)</u></b>

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

TOWN OF NORWOOD, MASSACHUSETTS

PROPRIETARY FUNDS

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN FUND NET POSITION

FOR THE YEAR ENDED JUNE 30, 2018

	Business-Type Activities Enterprise Funds Electric Light Fund
<b>Operating Revenues:</b>	
Charges for services	\$ 55,338,692
Other	<u>59,430</u>
Total Operating Revenues	55,398,122
<b>Operating Expenses:</b>	
Salaries and benefits	3,840,911
Purchase power	31,065,226
Other operating expenses	2,198,631
Depreciation	<u>1,800,361</u>
Total Operating Expenses	<u>38,905,129</u>
Operating Income	16,492,993
<b>Nonoperating Revenues (Expenses):</b>	
Interest expense	(1,397,784)
Investment income	<u>(98,224)</u>
Total Nonoperating Revenues (Expenses), Net	<u>(1,496,008)</u>
Income Before Transfers	14,996,985
<b>Transfers:</b>	
Transfers out	<u>(7,140,743)</u>
Change in Net Position	7,856,242
Net Position at Beginning of Year, as restated	<u>(13,365,565)</u>
Net Position at End of Year	<u><u>\$ (5,509,323)</u></u>

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

TOWN OF NORWOOD, MASSACHUSETTS

PROPRIETARY FUNDS

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED JUNE 30, 2018

	Business-Type Activities Enterprise Funds Electric Light Fund
<b><u>Cash Flows From Operating Activities:</u></b>	
Receipts from customers and users	\$ 54,965,628
Payments to vendors and employees	<u>(37,020,114)</u>
Net Cash Provided By Operating Activities	17,945,514
<b><u>Cash Flows From Noncapital Financing Activities:</u></b>	
Allocation of customer deposits	109,780
Transfers out	<u>(7,140,743)</u>
Net Cash (Used For) Noncapital Financing Activities	(7,030,963)
<b><u>Cash Flows From Capital and Related Financing Activities:</u></b>	
Acquisition and construction of capital assets	(1,409,147)
Principal payments on bonds	(7,265,000)
Interest expense	<u>(1,397,784)</u>
Net Cash (Used For) Capital and Related Financing Activities	(10,071,931)
<b><u>Cash Flows From Investing Activities:</u></b>	
Investment income	(98,224)
Change in investments	<u>1,662</u>
Net Cash Provided By Investing Activities	<u>(96,562)</u>
Net Change in Cash and Short-Term Investments	746,058
Cash and Short-Term Investments, Beginning of Year	<u>4,658,632</u>
Cash and Short-Term Investments, End of Year	<u>\$ 5,404,690</u>
<b><u>Reconciliation of Operating Income (Loss) to Net Cash Provided by (Used For) Operating Activities:</u></b>	
Operating income	\$ 16,492,993
Adjustments to reconcile operating income to net cash provided by operating activities:	
Depreciation	1,800,361
Changes in assets, liabilities, and deferred outflows/inflows:	
User fees	(432,494)
Other assets	(9,712)
Deferred outflows - related to pensions	104,769
Deferred outflows - related to OPEB	(5)
Warrants and accounts payable	(61)
Accrued liabilities	(52,426)
Net pension liability	(470,103)
Net OPEB liability	269,231
Deferred inflows - related to pensions	319,076
Other liabilities	<u>(76,115)</u>
Net Cash Provided By Operating Activities	<u>\$ 17,945,514</u>

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



TOWN OF NORWOOD, MASSACHUSETTS  
 FIDUCIARY FUNDS  
 STATEMENT OF FIDUCIARY NET POSITION  
 JUNE 30, 2018

	<u>Pension and OPEB Trust Funds</u>	<u>Agency Funds</u>
<b>ASSETS</b>		
Cash and short-term investments	\$ 1,405,941	\$ 748,521
Investments	165,722,418	-
Accounts receivable	<u>396,417</u>	<u>-</u>
Total Assets	167,524,776	748,521
 <b>LIABILITIES AND NET POSITION</b>		
Other liabilities	<u>487,583</u>	<u>-</u>
Total Liabilities	<u>487,583</u>	<u>-</u>
 <b>NET POSITION</b>		
Restricted for pensions	164,955,112	
Restricted for OPEB purposes	2,082,081	
Restricted for other purposes	<u>-</u>	<u>748,521</u>
	<u>\$ 167,037,193</u>	<u>\$ 748,521</u>

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

TOWN OF NORWOOD, MASSACHUSETTS  
 FIDUCIARY FUNDS  
 STATEMENT OF CHANGES IN FIDUCIARY NET POSITION  
 FOR THE YEAR ENDED JUNE 30, 2018

	<u>Pension and OPEB Trust Funds</u>
<b>Additions:</b>	
Contributions:	
Employers	\$ 10,056,613
Plan members	3,519,029
Other systems and Commonwealth of Massachusetts	371,938
Other	<u>5,602</u>
Total contributions	13,953,182
Investment Income:	
Increase (decrease) in fair value of investments	26,692,176
Less: management fees	<u>(1,029,481)</u>
Net investment income	<u>25,662,695</u>
Total additions	39,615,877
<b>Deductions:</b>	
Benefit payments to plan members and beneficiaries	16,798,110
Refunds to plan members	169,057
Transfers to other systems	78,490
Administrative expenses	<u>278,189</u>
Total deductions	<u>17,323,846</u>
Net increase	22,292,031
<b>Net position restricted for pensions and other purposes:</b>	
Beginning of year	<u>144,745,162</u>
End of year	<u>\$ 167,037,193</u>

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

# TOWN OF NORWOOD, MASSACHUSETTS

## Notes to Financial Statements

### 1. Summary of Significant Accounting Policies

The accounting policies of the Town of Norwood (the Town) conform to generally accepted accounting principles (GAAP) as applicable to governmental units. The following is a summary of the more significant policies:

#### A. Reporting Entity

The Town is a municipal corporation governed by an elected Board of Selectmen. As required by generally accepted accounting principles, these financial statements present the government and applicable component units for which the government is considered to be financially accountable.

*Blended Component Unit:* - Blended component units are entities that are legally separate, but are so related that they are, in substance, the same as the primary government, providing services entirely or almost entirely for the benefit of the primary government. The following component unit is blended within the primary government:

In the Fiduciary Funds: The Norwood Retirement System (the System) –The system is a defined benefit contributory retirement system created under state statute. It is administered by a Retirement Board comprised of five members: the Town Accountant who serves ex officio; two individuals elected by the participants in the system; and individual appointed by the Board of Selectmen; and an individual chosen by the members. The system provides pension benefits to retired Town employees. Other financial information for the System can be obtained from the office of the Retirement Board, Norwood Town Hall, 566 Washington Street, 3<sup>rd</sup> Floor, Norwood, Massachusetts 02062.

#### B. Government-wide and Fund Financial Statements

##### Government-wide Financial Statements

The government-wide financial statements (i.e., the Statement of Net Position and the Statement of Activities) report information on all of the nonfiduciary activities of the primary government. For the most part, the effect of interfund activity has been removed from these statements. *Governmental activities*, which normally are supported by taxes and intergovernmental revenues, are reported separately from *business-type activities*, which rely to a significant extent on fees and charges for support.

The Statement of Activities demonstrates the degree to which the direct expenses of a given function or segment are offset by program revenues. *Direct expenses* are those that are clearly identifiable with a specific function

or segment. Program revenues include (1) charges to customers or applicants who purchase, use, or directly benefit from goods, services, or privileges provided by a given function or segment and (2) grants and contributions that are restricted to meeting the operational or capital requirements of a particular function or segment. Taxes and other items not properly included among program revenues are reported instead as *general revenues*.

#### Fund Financial Statements

Separate financial statements are provided for governmental funds, proprietary funds, and fiduciary funds, even though the latter are excluded from the government-wide financial statements. Major individual governmental funds and major individual enterprise funds are reported as separate columns in the fund financial statements.

### C. Measurement Focus, Basis of Accounting, and Financial Statement Presentation

#### Government-wide Financial Statements

The government-wide financial statements are reported using the *economic resources measurement focus* and the *accrual basis of accounting*. Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows. Property taxes are recognized as revenues in the year for which they are levied. Grants and similar items are recognized as revenue as soon as all eligibility requirements imposed by the provider have been met. As a general rule, the effect of interfund activity has been eliminated from the government-wide financial statements.

Amounts reported as *program revenues* include (1) charges to customers or applicants for goods, services, or privileges provided, (2) operating grants and contributions, and (3) capital grants and contributions, including special assessments. Internally dedicated resources are reported as *general revenues* rather than as program revenues. Likewise, general revenues include all taxes and excises.

#### Fund Financial Statements

Governmental fund financial statements are reported using the *current financial resources measurement focus* and the *modified accrual basis of accounting*. Revenues are recognized as soon as they are both measurable and available. Revenues are considered to be available when they are collectible within the current period or soon enough thereafter to pay liabilities of the current period. For this purpose, the Town considers property tax revenues to be available if they are collected within 60 days of the end of the current fiscal period. All other revenue items are considered to be measurable and available only when cash is received by the government. Expenditures generally are recorded when a liability is incurred, as under accrual accounting. However, certain expenditures such as debt service, claims and judgments, compensated absences, OPEB, and pension are recorded only when payment is due.

The Town reports the following major governmental funds:

- The *general fund* is the Town's primary operating fund. It accounts for all financial resources of the general government, except those required to be accounted for in another fund.
- The *Forbes land acquisition fund* is the Town's capital project fund containing a capital purchase for a land parcel.

The proprietary fund financial statements are reported using the *economic resources measurement* focus and the *accrual basis of accounting*. Under this method, revenues are recognized when earned and expenses are recorded when liabilities are incurred.

Proprietary funds distinguish operating revenues and expenses from non-operating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with a proprietary fund's principal ongoing operations. The principal operating revenues of the enterprise fund are charges to customers for sales and services. Operating expenses for enterprise funds include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

The Town reports the following major proprietary fund:

- Electric Light (Enterprise) Fund: To account for the operation of the Town's Electric Light operations, which provide electric power to commercial and residential citizens in the Town of Norwood.

The fiduciary fund financial statements are reported using the *economic resources measurement focus* and the *accrual basis of accounting*. Under this method, revenues are recognized when earned and expenses are recorded when liabilities are incurred.

The Town reports the following fiduciary funds:

- The *pension and OPEB trust funds* are used to accumulate resources for retiree post-employment benefits.
- The *agency funds* account for fiduciary assets held by the Town in a custodial capacity as an agent on behalf of others. Agency funds report only assets and liabilities, and therefore, have no measurement focus.

#### D. Cash and Short-Term Investments

Cash balances from all funds, except those required to be segregated by law, are combined to form a consolidation of cash. Cash balances are invested to the extent available, and interest earnings are recognized in the general fund. Certain special revenue, proprietary, and fiduciary funds segregate cash, and investment earnings become a part of those funds.

Deposits with financial institutions consist primarily of demand deposits, certificates of deposits, and savings accounts. A cash and investment pool is maintained that is available for use by all funds. Each fund's portion of this pool is reflected on the combined financial statements under the caption "cash and short-term investments". The interest earnings attributable to each fund type are included under investment income.

For purpose of the statement of cash flows, the proprietary funds consider investments with original maturities of three months or less to be short-term investments.

#### *E. Investments*

State and local statutes place certain limitations on the nature of deposits and investments available. Deposits in any financial institution may not exceed certain levels within the financial institution. Non-fiduciary fund investments can be made in securities issued by or unconditionally guaranteed by the U.S. Government or agencies that have a maturity of one year or less from the date of purchase and repurchase agreements guaranteed by such securities with maturity dates of no more than 90 days from the date of purchase.

Investments for the Contributory Retirement System and Trust Funds consist of marketable securities, bonds, and short-term money market investments. Investments are carried at fair value, except certificates of deposit which are reported at cost.

#### *F. Property Tax Limitations*

Legislation known as "Proposition 2½" has limited the amount of revenue that can be derived from property taxes. The prior fiscal year's tax levy limit is used as a base and cannot increase by more than 2.5 percent (excluding new growth), unless an override is voted. The actual fiscal year 2018 tax levy reflected an excess capacity of \$5,317.

#### *G. Capital Assets*

Capital assets, which include property, plant, equipment, and infrastructure assets are reported in the applicable governmental or business-type activities columns in the government-wide financial statements. Capital assets are defined by the Town as assets with an initial individual cost of more than \$10,000 and an estimated useful life in excess of two years. Such assets are recorded at historical cost or estimated historical cost if purchased or constructed. Donated capital assets are recorded at acquisition value at the date of donation.

The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend assets' lives are not capitalized.

Major outlays for capital assets and improvements are capitalized as projects are constructed. Interest incurred during the construction phase of capital assets of business-type activities is included as part of the capitalized value of the assets constructed.

Capital assets are depreciated using the straight-line method over the following estimated useful lives:

<u>Assets</u>	<u>Years</u>
Buildings	40
Building improvements	20
Infrastructure	30 - 75
Vehicles	5
Office equipment	5
Computer equipment	5

*H. Compensated Absences*

It is the Town’s policy to permit employees to accumulate earned but unused vacation and sick pay benefits. All vested sick and vacation pay is accrued when incurred in the government-wide, proprietary, and fiduciary fund financial statements. A liability for these amounts is reported in governmental funds only if they have matured, for example, as a result of employee resignations and retirements.

*I. Long-Term Obligations*

In the government-wide financial statements, and proprietary fund types in the fund financial statements, long-term debt, and other long-term obligations are reported as liabilities in the applicable governmental activities, business-type activities, or proprietary fund type Statement of Net Position.

*J. Fund Equity*

Fund equity at the governmental fund financial reporting level is classified as “fund balance”. Fund equity for all other reporting is classified as “net position”.

Fund Balance - Generally, fund balance represents the difference between the current assets/deferred outflows and current liabilities/deferred inflows. The Town reserves those portions of fund balance that are legally segregated for a specific future use or which do not represent available, spendable resources and therefore, are not available for appropriation or expenditure. Unassigned fund balance indicates that portion of fund balance that is available for appropriation in future periods.

When an expenditure is incurred that would qualify for payment from multiple fund balance types, the Town uses the following order to liquidate liabilities: restricted, committed, assigned, and unassigned.

*Net Position* - Net position represents the difference between assets/deferred outflows and liabilities/deferred inflows. Net investment in capital assets, consists of capital assets, net of accumulated depreciation, reduced by the outstanding balances of any borrowing used for the acquisition, construction or improvement of those assets. Net position is reported as restricted when there are limitations imposed on their use either through the enabling legislation adopted by the Town or through external restrictions imposed by creditors, grantors, or laws or regulations of other governments. The remaining net position is reported as unrestricted.

K. *Use of Estimates*

The preparation of basic 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 disclosures for contingent assets and liabilities at the date of the basic financial statements and the reported amounts of the revenues and expenditures/expenses during the fiscal year. Actual results could vary from estimates that were used.

**2. Stewardship, Compliance, and Accountability**

A. *Budgetary Information*

At the annual town meeting, the Finance Committee presents an operating and capital budget for the proposed expenditures of the fiscal year commencing the following July 1. The budget, as enacted by town meeting, establishes the legal level of control and specifies that certain appropriations are to be funded by particular revenues. The original budget is amended during the fiscal year at special town meetings as required by changing conditions. In cases of extraordinary or unforeseen expenses, the Finance Committee is empowered to transfer funds from the reserve fund (a contingency appropriation) to a departmental appropriation. "Extraordinary" includes expenses which are not in the usual line, or are great or exceptional. "Unforeseen" includes expenses which are not foreseen as of the time of the annual meeting when appropriations are voted.

Departments are limited to the line items as voted. Certain items may exceed the line item budget as approved if it is for an emergency and for the safety of the general public. These items are limited by the Massachusetts General Laws and must be raised in the next year's tax rate.

Formal budgetary integration is employed as a management control device during the year for the general fund and proprietary funds. Effective budgetary control is achieved for all other funds through provisions of the Massachusetts General Laws.



At year-end, appropriation balances lapse, except for certain unexpended capital items and encumbrances which will be honored during the subsequent year.

**B. Budgetary Basis**

The general fund final appropriation appearing on the “Budget and Actual” page of the fund financial statements represents the final amended budget after all reserve fund transfers and supplemental appropriations.

**C. Budget/GAAP Reconciliation**

The budgetary data for the general fund is based upon accounting principles that differ from generally accepted accounting principles (GAAP). Therefore, in addition to the GAAP basis financial statements, the results of operations of the general fund are presented in accordance with budgetary accounting principles to provide a meaningful comparison to budgetary data.

The following is a summary of adjustments made to the actual revenues and other sources, and expenditures and other uses, to conform to the budgetary basis of accounting.

<u>General Fund</u>	<u>Revenues and Other Financing Sources</u>	<u>Expenditures and Other Financing Uses</u>
Revenues/Expenditures (GAAP basis)	\$ 124,424,798	\$ 133,339,854
Other financing sources/uses (GAAP basis)	<u>7,994,743</u>	<u>1,700,000</u>
Subtotal (GAAP Basis)	132,419,541	135,039,854
Adjust tax revenue to accrual basis	(896,935)	-
Reverse beginning of year appropriation carryforwards from expenditures	-	(2,516,224)
Add end-of-year appropriation carryforwards from expenditures	-	3,285,810
To record use of free cash	5,181,807	-
To reverse the effect of non- budgeted State contributions	(4,927,615)	(4,927,615)
To remove unbudgeted stabilization fund	(94,934)	405,864
Other timing differences	<u>79,565</u>	<u>(129,346)</u>
Budgetary basis	<u>\$ 131,761,429</u>	<u>\$ 131,158,343</u>

**D. Deficit Fund Equity**

Certain individual funds reflected deficit balances as of June 30, 2018.

It is anticipated that the deficits in these funds will be eliminated through future departmental revenues, bond proceeds, and transfers from other funds.

### 3. Cash and Short-Term Investments

*Custodial Credit Risk - Deposits.* Custodial credit risk is the risk that in the event of a bank failure, the Town's and Contributory Retirement System's (the System) deposits may not be returned. Massachusetts General Law Chapter 44, Section 55, limits the Town's deposits "in a bank or trust company or banking company to an amount not exceeding sixty percent of the capital and surplus of such bank or trust company or banking company, unless satisfactory security is given to it by such bank or trust company or banking company for such excess." Massachusetts General Law Chapter 32, Section 23, limits the System's deposits "in a bank or trust company to an amount not exceeding ten percent of the capital and surplus of such bank or trust company." The Town and System does not have a deposit policy for custodial credit risk.

As of June 30, 2018 and December 31, 2017, \$7,383,225 and \$984,501 of the Town's and System's bank balances of \$35,490,370 and \$1,484,501, respectively, were exposed to custodial credit risk as uninsured or uncollateralized. \$7,286,901 of the Town's uninsured and uncollateralized amount is on deposit with the Massachusetts Municipal Depository Trust, which is the state investment pool as authorized by Massachusetts General Law, Chapter 29, Section 38A.

### 4. Investments

#### A. Credit Risk

Generally, credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. For short-term investments that were purchased using surplus revenues, Massachusetts General Law, Chapter 44, Section 55, limits the Town's investments to the top rating issued by at least one nationally recognized statistical rating organization (NRSROs).

Presented below (in thousands) is the actual rating as of year-end for each investment of the Town. (All federal agency securities have an implied credit rating of AAA.):

<u>Investment Type</u>	<u>Amount</u>	<u>Minimum Legal Rating</u>	<u>Exempt From Disclosure</u>	<u>Aaa</u>
U.S. Treasury	\$ 1,598		\$ -	\$ 1,598
Certificates of deposits	472		-	472
Corporate bonds	1,394		-	1,394
Corporate equities	2,911	N/A	2,911	-
Mutual funds	3,694	N/A	3,694	-
Federal agency securities	1,484		-	1,484
Total investments	<u>\$ 11,553</u>		<u>\$ 6,605</u>	<u>\$ 4,948</u>

Massachusetts General Law, Chapter 32, Section 23, limits the investment of System funds, to the extent not required for current disbursements, in the PRIT Fund or in securities, other than mortgages or collateral loans, which are legal for the investment of funds in savings banks under the laws of the Commonwealth, provided that no more than the established percentage of assets is invested in any one security.

All of the System's investments are reported at fair value and are exempt from credit risk disclosure.

*B. Custodial Credit Risk*

The custodial credit risk for investments is the risk that, in the event of the failure of the counterparty (e.g., broker-dealer) to a transaction, a government will not be able to recover the value of its investment or collateral securities that are in the possession of another party. The Town does not have policies for custodial credit risk.

All of the Town's and System's investments of \$11,546,150 and \$163,640,337 respectively, are exposed to custodial credit risk because the related securities are uninsured, unregistered and/or held by the Town's and System's brokerage firm, which is also the counterparty to these securities. The Town and System manage this custodial credit risk with SIPC, excess SIPC, and by maintaining investments in the Town's name.

*C. Concentration of Credit Risk*

The Town places no limit on the amount the Town may invest in any one issuer. Investments in any one issuer. The Town does not have an investment in one issuer greater than 5% of total investments.

Massachusetts General Law Chapter 32, Section 23 limits the amount the System may invest in any one issuer or security type, with the exception of the PRIT Fund. The System does not have an investment in one issuer greater than 5% of total investments.

*D. Interest Rate Risk*

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. The Town does not have a formal investment policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates.

Information about the sensitivity of the fair values of the Town's investments to market interest rate fluctuations is as follows (in thousands):

<u>Investment Type</u>	<u>Amount</u>	<u>Investment Maturities (in Years)</u>			
		<u>Less Than 1</u>	<u>1-5</u>	<u>6-10</u>	<u>N/A</u>
U.S. Treasury	\$ 1,598	\$ 315	\$ 946	\$ 337	\$ -
Certificates of deposit	472	398	74	-	-
Corporate bonds	1,394	324	1,070	-	-
Corporate equities	2,911	-	-	-	2,911
Mutual funds	3,694	-	-	-	3,694
Federal agency securities	1,484	152	1,125	207	-
<b>Total</b>	<b>\$ 11,553</b>	<b>\$ 1,189</b>	<b>\$ 3,215</b>	<b>\$ 544</b>	<b>\$ 6,605</b>

Information about the sensitivity of the fair values of the System's investments to market interest rate fluctuations is as follows (in thousands):

<u>Investment Type</u>	<u>Amount</u>	<u>Investment Maturities (in Years)</u>				
		<u>Less Than 1</u>	<u>1-5</u>	<u>6-10</u>	<u>More Than 10</u>	<u>N/A</u>
Fixed income	\$ 6,770	\$ 277	\$ 3,139	\$ 2,244	\$ 1,110	\$ -
Equity investments	32,869	-	-	-	-	32,869
Mutual funds	90,591	-	-	-	-	90,591
External investment pool	33,410	-	-	-	-	33,410
<b>Total</b>	<b>\$ 163,640</b>	<b>\$ 277</b>	<b>\$ 3,139</b>	<b>\$ 2,244</b>	<b>\$ 1,110</b>	<b>\$ 156,870</b>

**E. Foreign Currency Risk**

Foreign currency risk is the risk that changes in foreign exchange rates will adversely affect the fair value of an investment. Neither the Town nor the Retirement System has policies for foreign currency risk.

**F. Fair Value**

The Town categorizes its fair value measurements within the fair value hierarchy established by *Governmental Accounting Standards Board Statement No. 72 Fair Value Measurement and Application (GASB 72)*. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs. All of the Town's investments are classified as Level 1.

The System has the following fair value measurements as of December 31, 2017:

<u>Description</u>	<u>Fair Value Measurements Using:</u>			
		<u>Quoted prices in active markets for identical assets (Level 1)</u>	<u>Significant observable inputs (Level 2)</u>	<u>Significant unobservable inputs (Level 3)</u>
Investments by fair value level:				
Debt securities:				
Fixed income	\$ 6,770	\$ -	\$ 6,770	\$ -
Equity securities:				
Equity investments	32,869	32,869	-	-
Mutual funds	90,591	90,591	-	-
Investments measured at the net asset value (NAV):				
External investment pool	<u>33,410</u>			
Total	<u>\$ 163,640</u>			

<u>Description</u>	<u>Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency (If currently eligible)</u>	<u>Redemption Notice Period</u>
External investment pool	\$ 33,410	\$ -	Monthly	30 days

## **5. Property Taxes and Excises Receivable**

Real estate and personal property taxes are levied and based on values assessed on January 1 of every year. Assessed values are established by the Board of Assessor's for 100% of the estimated fair market value. Taxes are due on a semiannual basis and are subject to penalties and interest if they are not paid by the respective due date. Real estate and personal property taxes levied are recorded as receivables in the fiscal year they relate to.

The day after the final tax bill is due, a demand notice may be sent to the delinquent taxpayer. Fourteen days after the demand notice has been sent, the tax collector may proceed to file a lien against the delinquent taxpayers' property. The Town has an ultimate right to foreclose on property for unpaid taxes. Personal property taxes cannot be secured through the lien process.

Motor vehicle excise taxes are assessed annually for every motor vehicle and trailer registered in the Commonwealth. The Registry of Motor Vehicles annually calculates the value of all registered motor vehicles for the purpose of excise assessment. The amount of motor vehicle excise tax due is calculated using a fixed rate of \$25 per \$1,000 of value.

Property taxes and excise receivables at June 30, 2018 consist of the following (in thousands):

	Gross Amount (fund basis)	Allowance for Doubtful Accounts	Net Amount (accrual basis)
Real estate taxes	\$ 475,005	\$ (71,081)	\$ 403,924
Personal property taxes	301,860	(270,125)	31,735
Tax liens	<u>360,268</u>	<u>(36,027)</u>	<u>324,241</u>
Total property taxes	\$ <u>1,137,133</u>	\$ <u>(377,233)</u>	759,900
Less current portion			<u>435,659</u>
Noncurrent taxes receivable			\$ <u>324,241</u>
Motor vehicle excise	\$ <u>362,701</u>	\$ <u>(178,974)</u>	\$ <u>183,727</u>
Total excises	\$ <u>362,701</u>	\$ <u>(178,974)</u>	\$ <u>183,727</u>

## 6. User Fee Receivables

Receivables for user charges at June 30, 2018 consist of the following:

<u>Receivables:</u>	Gross Amount	Allowance for Doubtful Accounts	Net Amount
Electric	\$ 6,852,964	\$ (650,422)	\$ 6,202,542

## 7. Intergovernmental Receivables

This balance represents reimbursements requested from Federal and State agencies for expenditures incurred in fiscal 2018.

## 8. Interfund Fund Transfers

The Town reports interfund transfers between various funds. Most transfers result from budgetary or statutory actions, whereby funds are moved to accomplish various expenditure purposes. The transfer from the electric enterprise to the general fund of \$7,140,743 represents budgetary revenue and expense surpluses which are closed to the general fund annually. The sum of all transfers presented in the table agrees with the sum of interfund transfers presented in the governmental and proprietary fund financial statements. The following is an analysis of interfund transfers:

<u>Governmental Funds:</u>	<u>Transfers In</u>	<u>Transfers Out</u>
General Fund	\$ 7,994,743	\$ 1,700,000
Nonmajor Funds:		
Special Revenue Funds	-	770,000
Capital Project Funds	1,700,000	-
Trust Funds	-	84,000
Subtotal Nonmajor Funds	1,700,000	854,000
<u>Business-Type Funds:</u>		
Electric fund	-	7,140,743
Subtotal Business-Type Funds:	-	7,140,743
Grand Total	\$ <u>9,694,743</u>	\$ <u>9,694,743</u>

The Town's other routine transfers include transfers made to move (1) unrestricted revenues or balances that have been collected or accumulated in the general fund to other funds based on budgetary authorization, and (2) revenues from a fund that by statute or budgetary authority must collect them to funds that are required by statute or budgetary authority to expend them.

## 9. Capital Assets

Capital asset activity for the year ended June 30, 2018 was as follows (in thousands):

	<u>Beginning Balance</u>	<u>Increases</u>	<u>Decreases</u>	<u>Ending Balance</u>
<b>Governmental Activities:</b>				
Capital assets, being depreciated:				
Buildings and improvements	\$ 153,952	\$ 499	\$ -	\$ 154,451
Machinery, equipment, and furnishings	24,867	1,348	-	26,215
Infrastructure	94,081	2,188	-	96,269
Total capital assets, being depreciated	272,900	4,035	-	276,935
Less accumulated depreciation for:				
Buildings and improvements	(54,957)	(3,351)	-	(58,308)
Machinery, equipment, and furnishings	(17,866)	(1,607)	-	(19,473)
Infrastructure	(57,822)	(1,974)	-	(59,796)
Total accumulated depreciation	(130,645)	(6,932)	-	(137,577)
Total capital assets, being depreciated, net	142,255	(2,897)	-	139,358
Capital assets, not being depreciated:				
Land	1,608	13,022	-	14,630
Construction in progress	20,373	278	-	20,651
Total capital assets, not being depreciated	21,981	13,300	-	35,281
Governmental activities capital assets, net	\$ <u>164,236</u>	\$ <u>10,403</u>	\$ <u>-</u>	\$ <u>174,639</u>

	Beginning Balance	Increases	Decreases	Ending Balance
<b>Business-Type Activities:</b>				
Capital assets, being depreciated:				
Buildings and improvements	\$ 14,316	\$ -	\$ -	\$ 14,316
Machinery, equipment, and furnishings	5,822	123	-	5,945
Infrastructure	<u>55,808</u>	<u>1,267</u>	<u>-</u>	<u>57,075</u>
Total capital assets, being depreciated	75,946	1,390	-	77,336
Less accumulated depreciation for:				
Buildings and improvements	(3,908)	(363)	-	(4,271)
Machinery, equipment, and furnishings	(3,495)	(449)	-	(3,944)
Infrastructure	<u>(33,572)</u>	<u>(988)</u>	<u>-</u>	<u>(34,560)</u>
Total accumulated depreciation	<u>(40,975)</u>	<u>(1,800)</u>	<u>-</u>	<u>(42,775)</u>
Total capital assets, being depreciated, net	34,971	(410)	-	34,561
Capital assets, not being depreciated:				
Land	14	-	-	14
Construction in progress	<u>6,800</u>	<u>19</u>	<u>-</u>	<u>6,819</u>
Total capital assets, not being depreciated	<u>6,814</u>	<u>19</u>	<u>-</u>	<u>6,833</u>
Business-type activities capital assets, net	<u>\$ 41,785</u>	<u>\$ (391)</u>	<u>\$ -</u>	<u>\$ 41,394</u>

Depreciation expense was charged to functions of the Town as follows (in thousands):

<b>Governmental Activities:</b>	
General government	\$ 466
Public safety	830
Education	2,799
Public works	1,295
Human services	379
Culture and recreation	63
Water and sewer	<u>1,100</u>
Total depreciation expense - governmental activities	<u>\$ 6,932</u>
<b>Business-Type Activities:</b>	
Light	<u>\$ 1,800</u>
Total depreciation expense - business-type activities	<u>\$ 1,800</u>

## 10. Deferred Outflows of Resources

Deferred outflows of resources represent the consumption of net position by the Town that is applicable to future reporting periods. Deferred outflows of resources have a positive effect on net position, similar to assets. Deferred outflows of



resources related to pensions and OPEB, in accordance with GASB Statements No. 68 and 75, are more fully discussed in the corresponding pension and OPEB notes.

**11. Warrants Payable**

Warrants payable represent 2018 expenditures paid by July 15, 2018.

**12. Tax Refunds Payable**

This balance consists of an estimate of refunds due to property taxpayers for potential abatements. These cases are currently pending with the state Appellate Tax Board.

**13. Notes Payable**

The Town had the following notes outstanding at June 30, 2018:

<u>Purpose</u>	<u>Interest Rate</u>	<u>Date of Issue</u>	<u>Date of Maturity</u>	<u>Balance at 6/30/18</u>
General Obligation	2.25%	12/21/17	12/20/18	\$ 5,000,000
General Obligation	2.50%	12/21/17	12/20/18	10,763,400
MCWT CWP-15-08	0.00%	12/15/17	12/15/18	414,356
Total				<u>\$ 16,177,756</u>

The following summarizes activity in notes payable during fiscal year 2018:

<u>Purpose</u>	<u>Balance Beginning of Year</u>	<u>New Issues</u>	<u>Maturities</u>	<u>Balance End of Year</u>
General Obligation	\$ -	\$ 5,000,000	\$ -	\$ 5,000,000
General Obligation	-	10,763,400	-	10,763,400
MCWT CWP-15-08	-	414,356	-	414,356
Total	<u>\$ -</u>	<u>\$ 16,177,756</u>	<u>\$ -</u>	<u>\$ 16,177,756</u>

**14. Long-Term Debt**

**A. General Obligation Bonds**

The Town issues general obligation bonds to provide funds for the acquisition and construction of major capital facilities. General obligation bonds have

been issued for both governmental and business-type activities. General obligation bonds currently outstanding are as follows:

<u>Governmental Activities:</u>	<u>Serial Maturities Through</u>	<u>Interest Rate(s) %</u>	<u>Amount Outstanding as of 6/30/18</u>
MWRA Water Bond	8/15/2018	0.000%	\$ 64,290
GOB - Library Remodeling (I) Refunding	1/15/2019	2.190%	60,100
MWRA Water Bond	8/15/2019	0.000%	102,795
Broad Band Equipment Upgrade	10/15/2019	2.044%	140,000
GOB - Water Department Equipment	10/15/2019	1.909%	10,000
GOB - Fire Department Equipment	10/15/2019	1.948%	120,000
MWRA Water Bond 3/2/15	2/15/2020	0.000%	32,582
MWRA Water Bond 4/27/15	5/15/2020	0.000%	28,600
Water Pollution Abatement Trust (I)	6/30/2020	5.344%	110,000
Water Pollution Abatement Trust (I)	6/30/2020	5.350%	30,000
MWRA Water Bond	8/15/2020	0.000%	149,497
GOB - Landfill Closure (O) Refunding	1/15/2021	2.480%	256,000
General Obligation Bond	1/15/2021	2.445%	345,000
MWRA Water Bond	8/15/2021	0.000%	200,670
General Obligation Refunding 10/01/01	10/1/2021	2.802%	3,620,000
General Obligation 2012	1/15/2022	1.240%	570,000
General Obligation Refunding 3/29/2012	1/15/2022	1.570%	1,080,000
MWRA Water Bond	8/15/2022	0.000%	250,000
GOB - School Building Repairs	10/15/2022	2.540%	210,000
GOB - Police/Fire Building Repairs	10/15/2022	2.649%	95,000
GOB - Outdoor Recreational Facilities	10/15/2022	2.504%	125,000
MWRA 6/26/14	8/15/2023	0.000%	300,000
General Obligation Bond	1/15/2024	3.260%	110,000
General Obligation Refunding 4/23/2015	8/15/2024	1.566%	1,443,000
MWRA Water Bond 8/25/14	8/15/2024	0.000%	350,000
MWRA Water Bond	8/15/2025	0.000%	400,000
MWRA Sewer Bond	8/7/2027	0.000%	590,000
MWRA Water Bond	8/7/2027	0.000%	500,000
MWRA Water Bond	6/30/2028	0.000%	450,000
MWRA Sewer Bond	6/30/2028	0.000%	125,796
GOB - High School Planning	8/15/2030	3.577%	510,000
MWPAT	1/15/2033	2.000%	1,262,017
MWPAT CW11-12	1/15/2033	2.000%	1,715,554
General Obligation Municipal 1/16/14	1/15/2034	2.988%	5,480,000
GOB - High School Construction	8/15/2034	3.830%	1,660,000
MCWT Bond CW-11-12A	1/15/2036	2.000%	101,120
MCWT Bond CWP-13-19	1/15/2036	2.000%	2,423,136
GOB - 7/28/16	6/30/2037	1.967%	29,262,000
MCWT CW15-08	6/30/2037	2.000%	2,122,780
General Obligation DPW Facility	6/15/2044	3.388%	5,460,000
Total Governmental Activities			<u>\$ 61,864,937</u>

<u>Business-Type Activities:</u>	<u>Serial</u>	<u>Interest</u>	<u>Amount</u>
<u>Electric Light Enterprise</u>	<u>Maturities</u>	<u>Rate(s) %</u>	<u>Outstanding</u>
	<u>Through</u>		<u>as of</u>
			<u>6/30/18</u>
Electric Substation	1/15/2021	2.480%	\$ 1,793,900
GOB - Electric Judgment/Settlement	8/14/2024	3.095%	2,670,000
General Obligation Refunding 4/23/2015	8/15/2024	1.566%	21,377,000
GOB - Electric Light Dept. Expansion	10/15/2024	2.612%	2,100,000
GOB - Electric	8/15/2029	4.756%	10,800,000
GOB - 7/28/16	6/30/2037	2.000%	11,968,000
Total Business-Type Activities			<u>\$ 50,708,900</u>

**B. Future Debt Service**

The annual payments to retire all general obligation long-term debt outstanding as of June 30, 2018 are as follows:

<u>Governmental</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2019	\$ 6,401,382	\$ 1,792,459	\$ 8,193,841
2020	6,219,201	1,595,100	7,814,301
2021	5,634,595	1,407,045	7,041,640
2022	5,221,328	1,231,855	6,453,183
2023	3,515,465	1,090,634	4,606,099
2024 - 2028	15,330,411	3,937,119	19,267,530
2029 - 2033	12,549,584	1,959,730	14,509,314
2034 - 2038	5,732,971	592,056	6,325,027
2039 - 2043	1,050,000	168,000	1,218,000
2044	210,000	8,400	218,400
Total	<u>\$ 61,864,937</u>	<u>\$ 13,782,398</u>	<u>\$ 75,647,335</u>

The general fund has been designated as the sole sources to repay the governmental-type general obligation long-term debt outstanding as of June 30, 2018.

<u>Business-Type</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2019	\$ 7,387,900	\$ 1,891,998	\$ 9,279,898
2020	7,519,000	1,636,182	9,155,182
2021	7,625,000	1,337,900	8,962,900
2022	7,237,000	1,025,670	8,262,670
2023	7,435,000	728,030	8,163,030
2024 - 2028	9,185,000	1,680,370	10,865,370
2029 - 2033	3,375,000	337,865	3,712,865
2034 - 2037	945,000	42,525	987,525
Total	<u>\$ 50,708,900</u>	<u>\$ 8,680,540</u>	<u>\$ 59,389,440</u>

C. Changes in General Long-Term Liabilities

During the year ended June 30, 2018, the following changes occurred in long-term liabilities (in thousands):

	Total Balance 7/1/17	Additions	Reductions	Total Balance 6/30/18	Less Current Portion	Equals Long-Term Portion 6/30/18
<u>Governmental Activities</u>						
Bonds payable	\$ 67,357	\$ 1,090	\$ (6,582)	\$ 61,865	\$ (6,401)	\$ 55,464
Unamortized premium	509	-	(73)	436	(73)	363
Subtotal	67,866	1,090	(6,655)	62,301	(6,474)	55,827
Net pension liability	38,095	-	(9,976)	28,119	-	28,119
Net OPEB liability	140,695	6,461	-	147,156	-	147,156
Other:						
Landfill liability	240	-	(20)	220	(20)	200
Compensated absences	2,768	172	-	2,940	(147)	2,793
Subtotal - other	3,008	172	(20)	3,160	(167)	2,993
Totals	<u>\$ 249,664</u>	<u>\$ 7,723</u>	<u>\$ (16,651)</u>	<u>\$ 240,736</u>	<u>\$ (6,641)</u>	<u>\$ 234,095</u>
<u>Business-Type Activities</u>						
Bonds payable	\$ 57,974	\$ -	\$ (7,265)	\$ 50,709	\$ (7,388)	\$ 43,321
Unamortized premium	1,817	-	(127)	1,690	(127)	1,563
Subtotal	59,791	-	(7,392)	52,399	(7,515)	44,884
Net pension liability	1,795	-	(470)	1,325	-	1,325
Net OPEB liability	5,862	270	-	6,132	-	6,132
Other:						
Compensated absences	322	51	-	373	(19)	354
Subtotal - other	322	51	-	373	(19)	354
Totals	<u>\$ 67,770</u>	<u>\$ 321</u>	<u>\$ (7,862)</u>	<u>\$ 60,229</u>	<u>\$ (7,534)</u>	<u>\$ 52,695</u>

D. Advance and Current Refundings

Current Year

The Town did not issue advance refunding or current refunding bonds during fiscal year 2018.

Prior Year

On July 28, 2016, the Town issued general obligation new money and refunding bonds in the amount of \$43,120,000 with various interest rates ranging from 2.00% to 4.00% to advance refund \$22,335,000 of serial bonds with interest rates ranging from 3.50% to 5.00%. The serial bonds mature on January 15, 2020 through 2024 and August 15, 2020 through 2034 and are callable on July 15, 2026. The general obligation new money and refunding bonds were issued at 1.858574% (TIC) and, after paying issuance costs of \$154,455, the net proceeds were \$48,374,743. 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 with an escrow agent to provide debt service payments until the serial bonds are called on January 15, 2019 and August 15, 2019. The advance refunding

met the requirements of an in-substance debt defeasance and the term bonds were removed from the Town's financial statements.

As a result of the advance refunding, the Town reduced its total debt service cash flow requirements by \$2,988,173 which resulted in an economic gain (difference between the present value of the debt service payments on the old and new debt) of \$1,954,603.

Defeased debt still outstanding at June 30, 2018 is \$22,335,000.

#### **15. Landfill Closure and Postclosure Care Costs**

State and Federal laws and regulations require the Town to perform certain maintenance and monitoring functions at the landfill site for thirty years after closure.

The \$220,000 reported as landfill postclosure care liability at June 30, 2018 represents the remaining estimated postclosure maintenance costs. These amounts are based on what it would cost to perform all postclosure care in 2018. Actual cost may be higher due to inflation, changes in technology, or changes in regulations.

#### **16. Deferred Inflows of Resources**

Deferred inflows of resources are the acquisition of net position by the Town that are applicable to future reporting periods. Deferred inflows of resources have a negative effect on net position, similar to liabilities. Deferred inflows of resources related to pension and OPEB will be recognized as expense in future years and is more fully described in the corresponding pension and OPEB notes. *Unavailable revenues* are reported in the governmental funds balance sheet in connection with receivables for which revenues are not considered available to liquidate liabilities of the current year.

#### **17. Governmental Funds - Balances**

Fund balances are segregated to account for resources that are either not available for expenditure in the future or are legally set aside for a specific future use.

The Town implemented *GASB Statement No. 54 (GASB 54), Fund Balance Reporting and Governmental Fund Type Definitions*, which enhances the usefulness of fund balance information by providing clearer fund balance classifications that can be more consistently applied and by clarifying existing governmental fund type definitions.

The following types of fund balances are reported at June 30, 2018:

Nonspendable - Represents amounts that cannot be spent because they are either (a) not in spendable form or (b) legally or contractually required to be maintained intact. This fund balance classification includes general fund reserves

for prepaid expenditures and nonmajor governmental fund reserves for the principal portion of permanent trust funds.

**Restricted** - Represents amounts that are restricted to specific purposes by constraints imposed by creditors, grantors, contributors, or laws or regulations of other governments, or constraints imposed by law through constitutional provisions or enabling legislation. This fund balance classification includes general fund encumbrances funded by bond issuances, various special revenue funds, and the income portion of permanent trust funds.

**Committed** - Represents amounts that can only be used for specific purposes pursuant to constraints imposed by formal action of the Town's highest level of decision-making authority. This fund balance classification includes general fund encumbrances for non-lapsing, and special article appropriations approved at Town Meeting.

**Assigned** - Represents amounts that are constrained by the Town's intent to use these resources for a specific purpose. This fund balance classification includes general fund encumbrances that have been established by various Town departments for the expenditure of current year budgetary financial resources upon vendor performance in the subsequent budgetary period.

**Unassigned** - Represents amounts that are available to be spent in future periods.

Following is a breakdown of the Town's fund balances at June 30, 2018:

	General Fund	Forbes Land Acquisition Fund	Nonmajor Governmental Funds	Total Governmental Funds
<b>Nonspendable</b>				
Nonexpendable permanent funds	\$ -	\$ -	\$ 489,633	\$ 489,633
Total Nonexpendable	-	-	489,633	489,633
<b>Restricted</b>				
Capital project funds	-	-	4,723,365	4,723,365
Special revenue funds	-	-	3,507,082	3,507,082
Expendable permanent funds	-	-	364,558	364,558
Total Restricted	-	-	8,595,005	8,595,005
<b>Committed</b>				
DPW Stabilization fund	109,856	-	-	109,856
Community preservation fund	-	-	593,616	593,616
Total Committed	109,856	-	593,616	703,472
<b>Assigned</b>				
Encumbrances:				
General government	683,596	-	-	683,596
Public safety	368,746	-	-	368,746
Education	701,426	-	-	701,426
Public works	316,173	-	-	316,173
Broadband cable	455,745	-	-	455,745
Water and sewer	17,677	-	-	17,677
Health and human services	55,921	-	-	55,921
Culture and recreation	47,245	-	-	47,245
Employee benefits	639,279	-	-	639,279
Reserved for expenditures	2,808,500	-	-	2,808,500
Total Assigned	6,094,308	-	-	6,094,308
<b>Unassigned</b>				
General operating stabilization	4,432,872	-	-	4,432,872
General fund	2,163,284	(12,893,727)	(613,353)	(11,343,796)
Total Unassigned	6,596,156	(12,893,727)	(613,353)	(6,910,924)
Total Fund Balances	\$ 12,800,320	\$ (12,893,727)	\$ 9,064,901	\$ 8,971,494

## 18. Pension and OPEB Trust Funds

The Norwood Contributory Retirement System and the Norwood OPEB Trust Fund are presented in a single column on pages 22 and 23 because separate financial reports on both trusts were not issued. Details of the financial position and changes in net position are as follows:

	Pension Trust Fund (December 31, 2017)	Other Post-Employment Benefits Trust Fund	Pension and OPEB Trust Funds
<b>ASSETS</b>			
Cash and short-term investments	\$ 1,405,941	\$ -	\$ 1,405,941
Investments	163,640,337	2,082,081	165,722,418
Accounts receivable	396,417	-	396,417
Total Assets	<u>165,442,695</u>	<u>2,082,081</u>	<u>167,524,776</u>
<b>LIABILITIES AND NET POSITION</b>			
Other liabilities	<u>487,583</u>	-	<u>487,583</u>
Total Liabilities	487,583	-	487,583
<b>NET POSITION</b>			
Restricted for pensions	164,955,112	-	164,955,112
Restricted for OPEB purposes	<u>-</u>	<u>2,082,081</u>	<u>2,082,081</u>
	<u>\$ 164,955,112</u>	<u>\$ 2,082,081</u>	<u>\$ 167,037,193</u>
	Pension Trust Fund (year ended December 31, 2017)	Other Post-Employment Benefits Trust Fund	Pension and OPEB Trust Funds
<b>Additions:</b>			
Contributions:			
Employers	\$ 5,038,368	\$ 5,018,245	\$ 10,056,613
Plan members	3,519,029	-	3,519,029
Other systems and Commonwealth of Massachusetts	371,938	-	371,938
Other	<u>5,602</u>	<u>-</u>	<u>5,602</u>
Total contributions	8,934,937	5,018,245	13,953,182
Investment Income:			
Increase (decrease) in fair value of investments	26,602,994	89,182	26,692,176
Less: management fees	<u>(1,029,481)</u>	<u>-</u>	<u>(1,029,481)</u>
Net investment income	<u>25,573,513</u>	<u>89,182</u>	<u>25,662,695</u>
Total additions	34,508,450	5,107,427	39,615,877
<b>Deductions:</b>			
Benefit payments to plan members and beneficiaries	12,079,865	4,718,245	16,798,110
Refunds to plan members	169,057	-	169,057
Transfers to other systems	78,490	-	78,490
Administrative expenses	<u>278,189</u>	<u>-</u>	<u>278,189</u>
Total deductions	<u>12,605,601</u>	<u>4,718,245</u>	<u>17,323,846</u>
Net increase	21,902,849	389,182	22,292,031
<b>Net position restricted for pensions and other purposes:</b>			
Beginning of year	<u>143,052,263</u>	<u>1,692,899</u>	<u>144,745,162</u>
End of year	<u>\$ 164,955,112</u>	<u>\$ 2,082,081</u>	<u>\$ 167,037,193</u>

**19. General Fund Unassigned Fund Balance**

The unassigned general fund balance reported on the balance sheet is stated in accordance with generally accepted accounting principles (GAAP), which differs in certain respects from the Massachusetts Uniform Municipal Accounting System (UMAS). The following paragraphs summarize the major differences.

The accompanying financial statements include an estimate for future potential tax refunds, which is not recognized under UMAS.

The following summarizes the specific differences between GAAP basis and budgetary basis of reporting the general fund unassigned fund balance:

GAAP basis balance	\$ 6,596,156
Stabilization fund	(4,432,872)
Tax refund estimate	<u>796,805</u>
Statutory (UMAS) Balance	<u>\$ 2,960,089</u>

**20. Norwood Contributory Retirement System**

The Town follows the provisions of *GASB Statement No. 68, Accounting and Financial Reporting for Pensions – an amendment of GASB Statement No. 27*, with respect to the employees’ retirement funds.

**A. Plan Description**

Substantially all employees of the Town (except teachers and administrators under contract employed by the School Department) and Norwood Housing Authority are members of the Norwood Contributory Retirement System (the System), a cost-sharing, multiple-employer public employee retirement system (PERS). Eligible employees must participate in the System. The pension plan provides pension benefits, deferred allowances, and death and disability benefits. Chapter 32 of the Massachusetts General Laws establishes the authority of the System, contribution percentages and benefits paid. The System Retirement Board does not have the authority to amend benefit provisions. Additional information is disclosed in the System’s annual financial reports publicly available from the System located at 566 Washington Street, Third Floor, Norwood, Massachusetts.

**Participant Retirement Benefits**

The System provides for retirement allowance benefits up to a maximum of 80% of a member's highest 3-year average annual rate of regular compensation for those hired prior to April 2, 2012 and the highest five-year average annual rate of regular compensation for those first becoming members of the Massachusetts System on or after that date. However, per Chapter 176



of the Acts of 2011, for members who retire on or after April 2, 2012, if in the 5 years of creditable service immediately preceding retirement, the difference in the annual rate of regular compensation between any 2 consecutive years exceeds 100 percent, the normal yearly amount of the retirement allowance shall be based on the average annual rate of regular compensation received by the member during the period of 5 consecutive years preceding retirement. Benefit payments are based upon a member's age, length of creditable service, level of compensation and group classification.

If a participant was a member prior to February 1, 2012, a retirement allowance may be received at any age, upon attaining 20 years of service. The plan also provides for retirement at age 55 if the participant was a member prior to January 1, 1978, with no minimum vesting requirements. If the participant was a member on or after January 1, 1978 and a member of Groups 1 or 2, then a retirement allowance may be received if the participant (1) has at least 10 years of creditable service, (2) is age 55, (3) voluntarily left Town employment on or after that date, and (4) left accumulated annuity deductions in the fund. Members of Group 4, have no minimum vesting requirements, however, must be at least age 55. Groups 2 and 4 require that participants perform the duties of the Group position for at least 12 months immediately prior to retirement.

A participant who became a member on or after April 2, 2012 is eligible for a retirement allowance upon 10 years creditable service and reaching ages 60 or 55 for Groups 1 and 2, respectively. Participants in Group 4 must be at least age 55. Groups 2 and 4 require that participants perform the duties of the Group position for at least 12 months immediately prior to retirement.

A retirement allowance consists of two parts: an annuity and a pension. A member's accumulated total deductions and a portion of the interest they generate constitute the annuity. The difference between the total retirement allowance and the annuity is the pension. The average retirement benefit is approximately 80-85% pension and 15-20% annuity.

#### Participant Refunds

Employees who resign from service and who are not eligible to receive a retirement allowance are entitled to request a refund of their accumulated total deductions. Members voluntarily withdrawing with at least 10 years of service or involuntarily withdrawing, receive 100% of the regular interest that has accrued on those accumulated total deductions. Members voluntarily withdrawing with less than 10 years of service get credited interest each year at a rate of 3%.

#### Participants Contributions

Participants contribute a set percentage of their gross regular compensation annually. Employee contribution percentages are specified in Chapter 32 of

the Massachusetts General Laws. The employee's individual contribution percentage is determined by their date of entry into the system. In addition, all employees hired on or after January 1, 1979 contribute an additional 2% on all gross regular compensation over the rate of \$30,000 per year. The percentages are as follows:

Before January 1, 1975	5%
January 1, 1975 - December 31, 1983	7%
January 1, 1984 - June 30, 1996	8%
Beginning July 1, 1996	9%

For those members entering a Massachusetts System on or after April 2, 2012 in Group 1, the contribution rate will be reduced to 6% when at least 30 years of creditable service has been attained.

#### Employer Contributions

Employers are required to contribute at actuarially determined rates as accepted by the Public Employee Retirement Administration Commission (PERAC).

The Town's contribution to the System for the year ended June 30, 2018 was \$4,847,339, which was equal to its annual required contribution.

#### B. Summary of Significant Accounting Policies

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 System and additions to/deductions from System's fiduciary net position have been determined on the same basis as they are reported by System. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with benefit terms. Investments are reported at fair value.

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

At June 30, 2018, the Town reported a liability of \$29,443,830 for its proportionate share of the net pension liability. The net pension liability was measured as of January 1, 2017, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of that 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 employers, actuarially determined. At June 30, 2018, the Town's proportion was 96.21 percent.

For the year ended June 30, 2018, the Town recognized pension expense of \$4,211,168. In addition, the Town reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Differences between expected and actual experience	\$ 5,370,957	\$ -
Changes of assumptions	15,135	-
Net difference between projected and actual earnings on pension plan investments	-	7,121,943
Changes in proportion and differences between contributions and proportionate share of contributions	<u>66,572</u>	<u>55,632</u>
Total	<u>\$ 5,452,664</u>	<u>\$ 7,177,575</u>

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 June 30:

2019	\$ 1,231,222
2020	471,538
2021	(1,945,522)
2022	(1,697,324)
2023	<u>215,175</u>
Total	<u>\$ (1,724,911)</u>

#### D. Actuarial Assumptions

The total pension liability in the January 1, 2017 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Salary increases	3% per year
Investment rate of return	7.75%

Mortality rates were based assumptions 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 for Group 1 and 2 is represented by the RP-2014 Blue Collar Mortality Table set forward five years for males and 3 years for females, fully generational. Mortality for retired members for Group 4 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 for Group 1 and 2 is represented by the RP-2000 Mortality Table set forward six years. Mortality for disabled members for Group 4 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 pension plan investments was selected from a best estimate range determined using the building block approach. Under this method, an expected future real return range (expected returns, net of pension plan investment expense and inflation) is calculated separately for each asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return net of investment expenses 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 class are summarized in the following table:

<u>Asset Class</u>	<u>Target Asset Allocation</u>	<u>Long-term Expected Real Rate of Return</u>
Investment Grade Bonds	7.00%	3.60%
TIPS	3.00%	3.30%
High Yield Bonds	4.00%	5.40%
Emerging Market Bonds (major)	2.50%	4.90%
Emerging Market Bonds (local)	2.50%	5.40%
US Equity	30.00%	7.90%
Developed Market Equity (non-US)	9.00%	7.10%
Emerging Market Equity	12.00%	9.40%
Private Equity	12.00%	8.90%
Core Private Real Estate	10.00%	5.50%
Natural Resources (public)	3.00%	7.20%
Core Private Infrastructure	<u>5.00%</u>	6.60%
Total	<u>100.00%</u>	

*E. Discount Rate*

The discount rate used to measure the total pension liability was 7.75%. The projection of cash flows used to determine the discount rate assumed that the plan member contributions will be made at the current contribution rate and that employer contributions will be made at contractually required rates, actuarially determined. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments to current active and inactive 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.

*F. Sensitivity of the Proportionate Share of the Net Pension Liability to Changes in the Discount Rate*

The following presents the Town's proportionate share of the net pension liability calculated using the discount rate of 7.75%, as well as what the Town's proportionate share of the net pension liability would be if it were

calculated using a discount rate that is 1 percentage-point lower (6.75%) or 1 percentage-point higher (8.75%) than the current rate:

1% Decrease (6.75%)	Current Discount Rate (7.75%)	1% Increase (8.75%)
\$ 48,788,979	\$ 29,443,830	\$ 12,900,717

**G. Pension Plan Fiduciary Net Position**

Detailed information about the pension plan’s fiduciary net position is available in the separately issued System financial report.

**21. Massachusetts Teachers’ Retirement System (MTRS)**

**A. Plan Description**

The Massachusetts Teachers’ Retirement System (MTRS) is a public employee retirement system (PERS) that administers a cost-sharing multi-employer defined benefit plan, as defined in *Governmental Accounting Standards Board (GASB) Statement No. 67, Financial Reporting for Pension Plans*. MTRS is managed by the Commonwealth on behalf of municipal teachers and municipal teacher retirees. The Commonwealth is a nonemployer contributor and is responsible for all contributions and future benefit requirements of the MTRS. The MTRS covers certified teachers in cities (except Boston), towns, regional school districts, charter schools, educational collaboratives, and Quincy College. The MTRS is part of the Commonwealth’s reporting entity and does not issue a stand-alone audited financial report.

Management of MTRS is vested in the Massachusetts Teachers’ Retirement Board (MTRB), which consists of seven members—two elected by the MTRS members, one who is chosen by the six other MTRB members, the State Treasurer (or their designee), the State Auditor (or their designee), a member appointed by the Governor, and the Commissioner of Education (or their designee), who serves ex-officio as the Chairman of the MTRB.

**B. Benefits Provided**

MTRS provides retirement, disability, survivor, and death benefits to members and their beneficiaries. Massachusetts General Laws (MGL) establishes uniform benefit and contribution requirements for all contributory PERS. These requirements provide for superannuation retirement allowance benefits up to a maximum of 80% of a member’s highest three-year average annual rate of regular compensation. For employees hired after April 1, 2012, retirement allowances are calculated on the basis of the last five years or any five

consecutive years, whichever is greater in terms of compensation. Benefit payments are based upon a member's age, length of creditable service, and group creditable service, and group classification. The authority for amending these provisions rests with the Legislature.

Members become vested after ten years of creditable service. A superannuation retirement allowance may be received upon the completion of twenty years of creditable service or upon reaching the age of 55 with ten years of service. Normal retirement for most employees occurs at age 65. Most employees who joined the system after April 1, 2012 cannot retire prior to age 60.

The MTRS' funding policies have been established by Chapter 32 of the MGL. The Legislature has the authority to amend these policies. The annuity portion of the MTRS retirement allowance is funded by employees, who contribute a percentage of their regular compensation. Costs of administering the plan are funded out of plan assets.

*C. Contributions*

Member contributions for MTRS vary depending on the most recent date of membership:

<u>Membership Date</u>	<u>% of Compensation</u>
Prior to 1975	5% of regular compensation
1975 - 1983	7% of regular compensation
1984 to 6/30/1996	8% of regular compensation
7/1/1996 to present	9% of regular compensation
7/1/2001 to present	11% of regular compensation (for teachers hired after 7/1/01 and those accepting provisions of Chapter 114 of the Acts of 2000)
1979 to present	An additional 2% of regular compensation in excess of \$30,000

*D. Actuarial Assumptions*

The total pension liability for the June 30, 2017 measurement date was determined by an actuarial valuation as of January 1, 2017 rolled forward to June 30, 2017. This valuation used the following assumptions:

- (a) 7.50% investment rate of return, (b) 3.50% interest rate credited to the annuity savings fund and (c) 3.00% cost of living increase on the first \$13,000 per year.
- Salary increases are based on analyses of past experience but range from 4.00% to 7.50% depending on length of service.
- Experience study is dated July 21, 2014 and encompasses the period January 1, 2006 to December 31, 2011.

- Mortality rates were as follows:
  - Pre-retirement – reflects RP-2014 Employees table projected generationally with Scale BB and a base year of 2014 (gender distinct).
  - Post-retirement – reflects RP-2014 Healthy Annuitant table projected generationally with Scale BB with a base year of 2014 (gender distinct).
  - Disability – assumed to be in accordance with the RP-2014 Healthy Annuitant table projected generationally with Scale BB and a base year 2014 set forward 4 years.

Investment assets of the MTRS are with the Pension Reserves Investment Trust (PRIT) Fund. 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 rates of return 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 rates of return by the target asset allocation percentage. Best estimates of geometric rates of return for each major asset class included in the PRIT Fund’s target asset allocation as of June 30, 2017 are summarized in the following table:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>
Global equity	40.00%	5.00%
Portfolio completion strategies	13.00%	3.60%
Core fixed income	12.00%	1.10%
Private equity	11.00%	6.60%
Real estate	10.00%	3.80%
Value added fixed income	10.00%	3.60%
Timber/natural resources	4.00%	3.20%
Hedge funds	0.00%	3.60%
Total	<u>100.00%</u>	

*E. Discount Rate*

The discount rate used to measure the total pension liability was 7.50%. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rates and the Commonwealth’s contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rates. Based on those assumptions, the 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.

F. Sensitivity Analysis

The following illustrates the sensitivity of the collective net pension liability to changes in the discount rate. In particular, the table presents the MTRS collective net pension liability assuming it was calculated using a single discount rate that is one-percentage-point lower or one-percentage-point higher than the current discount rate (amounts in thousands):

<u>1% Decrease to 6.50%</u>	<u>Current Discount Rate 7.50%</u>	<u>1% Increase to 8.50%</u>
\$ 28,424,300	\$ 22,885,391	\$ 18,193,400

G. Special Funding Situation

The Commonwealth is a nonemployer contributor and is required by statute to make all actuarial determined employer contributions on behalf of the member employers. Therefore, these employers are considered to be in a special funding situation as defined by *GASB Statement No. 68, Accounting and Financial Reporting for Pensions (GASB 68)* and the Commonwealth is a non-employer contributing entity in MTRS. Since the employers do not contribute directly to MTRS, there is no net pension liability to recognize for each employer.

H. Town Proportions

In fiscal year 2017 (the most recent measurement period), the Commonwealth's proportionate share of the MTRS' collective net pension liability and pension expense that is associated with the Town was \$91,274,008 and \$9,526,534 respectively, based on a proportionate share of 0.398831%. As required by GASB 68, the Town has recognized its portion of the collective pension expense as both a revenue and expenditure in the general fund.

**22. Other Post-Employment Benefits (GASB 75)**

*GASB Statement No. 75, Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, replaces the requirements of *Statement No. 45, Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*. The Statement establishes standards for recognizing and measuring liabilities, deferred outflows of resources, deferred inflows of resources, and expense/expenditures. This Statement identifies the methods and assumptions that are required to be used to project benefit payments, discounted projected benefit payments to their actuarial present value, and attribute that present value to periods of employee service.

All the following OPEB disclosures are based on a measurement date of June 30, 2017.



A. General Information about the OPEB Plan

Plan Description

The Town provides post-employment healthcare benefits for retired employees through the Town's plan. The Town provides health insurance coverage through the Group Insurance Commission. The benefits, benefit levels, employee contributions, and employer contributions are governed by Chapter 32 of the Massachusetts General Laws.

Benefits Provided

The Town provides medical and prescription drug insurance to retirees and their covered dependents. All active employees who retire from the Town and meet the eligibility criteria will receive these benefits.

Plan Membership

At June 30, 2017, the following employees were covered by the benefit terms:

Inactive employees or beneficiaries currently receiving benefit payments	904
Active employees	<u>880</u>
Total	<u><u>1,784</u></u>

B. Actuarial Assumptions and Other Inputs

The net OPEB liability was determined by an actuarial valuation as of July 1, 2017, using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified:

Inflation	2.0%
Investment rate of return	7.5%, net of OPEB plan investment expense
Municipal bond rate	3.13%
Discount rate	3.75%
Healthcare cost trend rates	5.5% for 2017, fluctuating 1%, to an ultimate rate of 4.5% as of 2019 and later years

It is assumed that both pre-retirement mortality and beneficiary mortality is represented by the RP-2014 Blue Collar Mortality with Scale MP-2016, fully generational. Mortality for retired members for Group 1 and 2 is represented by the RP-2014 Blue Collar Mortality Table set forward five years for males and three years for females, fully generational. Mortality for retired members for Group 4 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 for Group 1 and 2 is represented by the RP-

2000 Mortality Table set forward six years. Mortality for disabled members for Group 4 is represented by the RP-2000 Mortality Table set forward two years. Generational adjusting is based on Scale MP-2016.

The long-term expected rate of return on OPEB 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 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 target asset allocation as of June 30, 2017 are summarized in the following table.

<u>Asset Class</u>	<u>Target Asset Allocation</u>	<u>Long-term Expected Real Rate of Return</u>
Domestic equity	30.00%	7.05%
International equity	15.00%	7.80%
Domestic fixed income	25.00%	4.47%
International fixed income	10.00%	4.40%
Alternatives	<u>20.00%</u>	6.80%
Total	<u>100.00%</u>	

*C. Discount Rate*

The discount rate used to measure the net OPEB liability was 3.75%. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current contribution rate.

Based on those assumptions, the OPEB plan fiduciary net position was not projected to be available to make all projected future benefit payments of current plan members. As a result, a blended discount rate was used based on a combination of the investment rate of return of 7.5% and municipal bond rate of 3.13% (based on index provided by Standard & Poor's on 20-year municipal bond rate as of June 30, 2017).

*D. Net OPEB Liability*

The components of the net OPEB liability, measured as of June 30, 2017, were as follows:

Total OPEB liability	\$ 154,980,711
Plan fiduciary net position	<u>(1,692,899)</u>
Net OPEB liability	<u>\$ 153,287,812</u>

*E. Changes in the Net OPEB Liability*

	Increase (Decrease)		
	Total OPEB Liability (a)	Plan Fiduciary Net Position (b)	Net OPEB Liability (a) - (b)
Balances, beginning of year	\$ 147,784,757	\$ 1,227,710	\$ 146,557,047
Changes for the year:			
Service cost	5,844,932	-	5,844,932
Interest	5,680,679	-	5,680,679
Contributions - employer	-	4,679,657	(4,679,657)
Net investment income	-	115,189	(115,189)
Benefit payments	(4,329,657)	(4,329,657)	-
Net Changes	<u>7,195,954</u>	<u>465,189</u>	<u>6,730,765</u>
Balances, beginning of year	<u>\$ 154,980,711</u>	<u>\$ 1,692,899</u>	<u>\$ 153,287,812</u>

*F. Sensitivity of the Net OPEB Liability to Changes in the Discount Rate*

The following presents the net OPEB liability, as well as what the net OPEB liability would be if it were calculated using a discount rate that is one percentage-point lower or one percentage-point higher than the current discount rate:

1% Decrease	Current Discount Rate	1% Increase
\$ 178,813,344	\$ 153,287,812	\$ 132,828,665

*G. Sensitivity of the Net OPEB Liability to Changes in the Healthcare Cost Trend Rates*

The following presents the net OPEB liability, as well as what the net OPEB liability would be if it were calculated using healthcare cost trend rates that are one percentage-point lower or one percentage-point higher than the current healthcare cost trend rates:

1% Decrease	Current Healthcare Cost Trend Rates	1% Increase
\$ 128,402,757	\$ 153,287,812	\$ 185,603,406

H. OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

For the year ended June 30, 2018, the Town recognized an OPEB expense of \$11,460,450. At June 30, 2018, the Town reported deferred outflows and inflows of resources related to OPEB from the following sources:

	<u>Deferred Outflows of Resources</u>
Contributions subsequent to the measurement date	\$ 300,000
Net difference between projected and actual OPEB investment earnings	<u>50,118</u>
Total	<u>\$ 350,118</u>

The \$300,000 reported as deferred outflows of resources related to OPEB resulting from contributions subsequent to the measurement date and before the end of the fiscal year will be included as a reduction of the net OPEB liability in the year ended June 30, 2019.

Other amounts reported as deferred outflows and inflows of resources related to OPEB will be recognized in OPEB expense as follows:

<u>Year Ended June 30:</u>	
2019	\$ 12,530
2020	12,530
2021	12,530
2022	<u>12,528</u>
Total	<u>\$ 50,118</u>

**23. Other Post-Employment Benefits (GASB 74)**

*GASB Statement No. 74, Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans (OPEB)*, replaces the requirements of *Statement No. 43, Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*. This applies if a trust fund has been established to fund future OPEB costs. In fiscal year 2014, the Town established an OPEB Trust Fund to provide funding for future employee health care costs.

All the following OPEB disclosures are based on a measurement date of June 30, 2018.

A. Investments

The OPEB trust fund assets consist of equities, fixed income, real estate, and alternatives. (specify)

*Rate of return.* For the year ended June 30, 2018, the annual money-weighted rate of return on investments, net of investment expense, was not available. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

**B. Actuarial Assumptions and Other Inputs**

The total OPEB liability was determined by an actuarial valuation as of July 1, 2017, using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified:

Inflation	2%
Investment rate of return	7.5%, net of OPEB plan investment expense
Municipal bond rate	3.13%
Discount rate	3.75%
Healthcare cost trend rates	5.5% for 2018, fluctuating 1%, to an ultimate rate of 4.5% as of 2019 and later years

It is assumed that both pre-retirement mortality and beneficiary mortality is represented by the RP-2014 Blue Collar Mortality with Scale MP-2016, fully generational. Mortality for retired members for Group 1 and 2 is represented by the RP-2014 Blue Collar Mortality Table set forward five years for males and three years for females, fully generational. Mortality for retired members for Group 4 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 for Group 1 and 2 is represented by the RP-2000 Mortality Table set forward six years. Mortality for disabled members for Group 4 is represented by the RP-2000 Mortality Table set forward two years. Generational adjusting is based on Scale MP-2016.

The long-term expected rate of return on OPEB 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 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 target asset allocation as of June 30, 2018 are summarized in the following table.

<u>Asset Class</u>	<u>Target Asset Allocation</u>	<u>Long-term Expected Real Rate of Return</u>
Domestic equity	33.91%	6.11%
International equity	21.87%	2.78%
Domestic bond	18.87%	3.82%
International bond	4.69%	3.94%
Alternatives	20.16%	3.67%
Private equity	0.50%	12.06%
Total	<u>100.00%</u>	

C. Discount Rate

The discount rate used to measure the total OPEB liability was 3.75%. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the current contribution rate.

Based on those assumptions, the OPEB plan fiduciary net position was not projected to be available to make all projected future benefit payments of current plan members. As a result, a blended discount rate was used based on a combination of the investment rate of return of 7.50% and municipal bond rate of 3.13% (based on index provided by Standard & Poor's on 20-year municipal bond rate as of June 30, 2018).

D. Net OPEB Liability

The components of the net OPEB liability, measured as of June 30, 2018, were as follows:

Total OPEB liability	\$ 162,323,592
Plan fiduciary net position	<u>(2,082,081)</u>
Net OPEB liability	<u>\$ 160,241,511</u>
Plan fiduciary net position as a percentage of the total OPEB liability	1.28%

E. Sensitivity of the Net OPEB Liability to Changes in the Discount Rate

The following presents the net OPEB liability, as well as what the net OPEB liability would be if it were calculated using a discount rate that is one percentage-point lower or one percentage-point higher than the current discount rate:

<u>1% Decrease</u>	<u>Current Discount Rate</u>	<u>1% Increase</u>
\$ 186,481,961	\$ 160,241,511	\$ 138,714,077

F. Sensitivity of the Net OPEB Liability to Changes in the Healthcare Cost Trend Rates

The following presents the net OPEB liability, as well as what the net OPEB liability would be if it were calculated using healthcare cost trend rates that are one percentage-point lower or one percentage-point higher than the current healthcare cost trend rates:

<u>1% Decrease</u>	<u>Current Healthcare Cost Trend Rates</u>	<u>1% Increase</u>
\$ 132,782,787	\$ 160,241,511	\$ 195,413,878

**24. Subsequent Events**

Debt

Subsequent to June 30, 2018, the Town has incurred the following additional debt:

	<u>Amount</u>	<u>Interest Rate</u>	<u>Issue Date</u>	<u>Maturity Date</u>
Bond anticipation note	\$ 13,000,000	3.35%	12/20/2018	12/19/2019
General obligation bond	\$ 4,140,000	5.00%	12/4/2018	1/15/2029

**25. Commitments and Contingencies**

Grants - Amounts received or receivable from grantor agencies are subject to audit and adjustment by grantor agencies, principally the federal government. Any disallowed claims, including amounts already collected, may constitute a liability of the applicable funds. The amount of expenditures which may be disallowed by the grantor cannot be determined at this time, although the Town expects such amounts, if any, to be immaterial.

**26. Beginning Net Position Restatement**

The beginning (July 1, 2017) net position of the Town has been restated as follows:

Government-Wide Financial Statements:

	<u>Governmental Activities</u>	<u>Business-Type Activities</u> Electric Enterprise Fund
As previously reported	\$ 50,373,178	\$ (9,158,817)
Implementation of GASB 75 OPEB	<u>(102,334,939)</u>	<u>(4,206,748)</u>
As restated	<u>\$ (51,961,761)</u>	<u>\$ (13,365,565)</u>

**TOWN OF NORWOOD, MASSACHUSETTS**  
**SCHEDULE OF PROPORTIONATE SHARE**  
**OF THE NET PENSION LIABILITY (GASB 68)**  
**JUNE 30, 2018**  
**(Unaudited)**

**Norwood Contributory Retirement System**

<u>Fiscal Year</u>	<u>Measurement Date</u>	<u>Proportion of the Net Pension Liability</u>	<u>Proportionate Share of the Net Pension Liability</u>	<u>Covered Payroll</u>	<u>Proportionate Share of the Net Pension Liability as a Percentage of Covered Payroll</u>	<u>Plan Fiduciary Net Position Percentage of the Total Pension Liability</u>
June 30, 2018	January 1, 2017	96.2100%	\$29,443,830	\$ 32,533,010	90.50%	84.40%
June 30, 2017	January 1, 2016	96.0200%	\$29,443,830	\$ 30,959,423	95.10%	77.50%
June 30, 2016	January 1, 2015	96.0170%	\$29,443,830	\$ 29,768,676	98.91%	75.00%
June 30, 2015	January 1, 2014	96.4612%	\$33,824,919	\$ 28,082,402	120.45%	79.80%

**Massachusetts Teachers' Retirement System**

<u>Fiscal Year</u>	<u>Measurement Date</u>	<u>Proportion of the Net Pension Liability</u>	<u>Proportionate Share of the Net Pension Liability</u>	<u>Commonwealth of Massachusetts' Total Proportionate Share of the Net Pension Liability Associated with the Town</u>	<u>Total Net Pension Liability Associated with the Town</u>	<u>Covered Payroll</u>	<u>Proportionate Share of the Net Pension Liability as a Percentage of Covered Payroll</u>	<u>Plan Fiduciary Net Position Percentage of the Total Pension Liability</u>
June 30, 2018	June 30, 2017	0.39883%	\$ -	\$ 91,274,008	\$ 91,274,008	\$ 27,082,491	-	54.25%
June 30, 2017	June 30, 2016	0.39793%	\$ -	\$ 88,969,401	\$ 88,969,401	\$ 26,174,594	-	52.73%
June 30, 2016	June 30, 2015	0.39829%	\$ -	\$ 81,608,139	\$ 81,608,139	\$ 25,247,157	-	55.38%
June 30, 2015	June 30, 2014	0.39829%	\$ -	\$ 63,449,721	\$ 63,449,721	\$ 24,473,613	-	61.64%

*Schedules are intended to show information for 10 years. Additional years will be displayed as they become available.*

See Independent Auditors' Report.



**TOWN OF NORWOOD, MASSACHUSETTS  
SCHEDULE OF PENSION CONTRIBUTIONS (GASB 68)**

**JUNE 30, 2018  
(Unaudited)**

**Norwood Contributory Retirement System**

<u>Fiscal Year</u>	<u>Measurement Date</u>	<u>Contractually Required Contribution</u>	<u>Contractually Required Contribution</u>	<u>Contribution Deficiency (Excess)</u>	<u>Covered Payroll</u>	<u>Contributions as a Percentage of Covered Payroll</u>
June 30, 2018	January 1, 2017	\$ 4,847,339	\$ 4,847,339	\$ -	\$ 32,533,010	14.90%
June 30, 2017	January 1, 2016	\$ 4,370,134	\$ 4,370,134	\$ -	\$ 30,959,423	14.12%
June 30, 2016	January 1, 2015	\$ 4,055,016	\$ 4,055,016	\$ -	\$ 29,768,676	13.62%
June 30, 2015	January 1, 2014	\$ 3,764,002	\$ 3,764,002	\$ -	\$ 28,082,402	13.40%

**Massachusetts Teachers' Retirement System**

<u>Fiscal Year</u>	<u>Measurement Date</u>	<u>Contractually Required Contribution Provided by Commonwealth</u>	<u>Contractually Required Contribution</u>	<u>Contribution Deficiency (Excess)</u>	<u>Covered Payroll</u>	<u>Contributions as a Percentage of Covered Payroll</u>
June 30, 2018	June 30, 2017	\$ 4,927,615	\$ 4,927,615	\$ -	\$ 27,082,491	18.19%
June 30, 2017	June 30, 2016	\$ 4,475,078	\$ 4,475,078	\$ -	\$ 26,174,594	17.10%
June 30, 2016	June 30, 2015	\$ 4,070,242	\$ 4,070,242	\$ -	\$ 25,247,157	16.12%
June 30, 2015	June 30, 2014	\$ 3,741,515	\$ 3,741,515	\$ -	\$ 24,473,613	15.29%

*Schedules are intended to show information for 10 years. Additional years will be displayed as they become available.*

See Independent Auditors' Report.

**TOWN OF NORWOOD, MASSACHUSETTS  
OTHER POST-EMPLOYMENT BENEFITS (OPEB)**

**Schedule of Changes in the Net OPEB Liability (GASB 74 and 75)**

(Unaudited)

	<u>2018</u>	<u>2017</u>
<b>Total OPEB liability</b>		
Service cost	\$ 6,107,954	\$ 5,844,932
Interest on unfunded liability - time value of \$	5,953,172	5,680,679
Benefit payments, including refunds of member contributions	<u>(4,718,245)</u>	<u>(4,329,657)</u>
Net change in total OPEB liability	7,342,881	7,195,954
Total OPEB liability - beginning	<u>154,980,711</u>	<u>147,784,757</u>
<b>Total OPEB liability - ending (a)</b>	162,323,592	154,980,711
<b>Plan fiduciary net position</b>		
Contributions - employer	5,018,245	4,679,657
Net investment income	89,182	115,189
Benefit payments, including refunds of member contributions	<u>(4,718,245)</u>	<u>(4,329,657)</u>
Net change in plan fiduciary net position	389,182	465,189
Plan fiduciary net position - beginning	<u>1,692,899</u>	<u>1,227,710</u>
<b>Plan fiduciary net position - ending (b)</b>	<u>2,082,081</u>	<u>1,692,899</u>
<b>Net OPEB liability (asset) - ending (a-b)</b>	<u>\$ 160,241,511</u>	<u>\$ 153,287,812</u>

*Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.*

See notes to the Town's financial statements for summary of significant actuarial methods and assumptions.

See Independent Auditors' Report.

**TOWN OF NORWOOD, MASSACHUSETTS  
OTHER POST-EMPLOYMENT BENEFITS (OPEB)**

**Schedules of Net OPEB Liability, Contributions, and Investment Returns (GASB 74 and 75)**

(Unaudited)

**Schedule of Net OPEB Liability**

	<u>2018</u>	<u>2017</u>
Total OPEB liability	\$ 162,323,592	\$ 154,980,711
Plan fiduciary net position	<u>2,082,081</u>	<u>1,692,899</u>
Net OPEB liability (asset)	<u>\$ 160,241,511</u>	<u>\$ 153,287,812</u>
Plan fiduciary net position as a percentage of the total OPEB liability	1.3%	1.1%

**Schedule of Contributions**

	<u>2018</u>	<u>2017</u>
Actuarially determined contribution	\$ 5,018,245	\$ 4,679,657
Contributions in relation to the actuarially determined contribution	<u>5,038,368</u>	<u>5,018,245</u>
Contribution deficiency (excess)	<u>\$ (20,123)</u>	<u>\$ (338,588)</u>

**Schedule of Investment Returns**

	<u>2018</u>	<u>2017</u>
Annual money weighted rate of return, net of investment expense	Unavailable	Unavailable

*Schedules are intended to show information for 10 years.  
Additional years will be displayed as they become available.*

See notes to Town's financial statements for summary of significant actuarial methods and assumptions.

See Independent Auditors' Report.