

**VILLAGE OF MAMARONECK**  
**RETIREE MEDICAL ACTUARIAL**  
**VALUATION**  
  
**REPORT ON COMPLIANCE WITH**  
**GOVERNMENT ACCOUNTING STANDARDS BOARD**  
**STATEMENT #45**  
**ACCOUNTING AND FINANCIAL REPORTING BY EMPLOYER**  
**FOR POSTEMPLOYMENT**  
**BENEFITS OTHER THAN PENSIONS**  
**FOR THE FISCAL YEAR ENDED MAY 31, 2016**

**PREPARED: August 2016**

August 2016

Village of Mamaroneck  
123 Mamaroneck Avenue  
Mamaroneck, New York 10543

Dear Sir/Madam:

This report was prepared to provide management with the accounting for the Government Accounting Standards Board Statement Number 45 – Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions (GASB 45) for the Retiree Health Valuation Under GASB #45 for the fiscal year ended May 31, 2016.

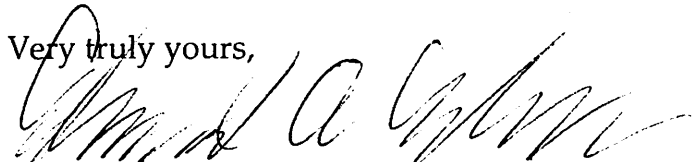
Our results and accompanying disclosures reflect plan provisions in effect for the plan year ended May 31, 2016. The Annual OPEB Cost for the Village for the year is \$4,440,000. For FYE 2016, a mid-cycle valuation was performed on the program, permitted for employers that have a membership (which includes active, terminated and retired employees eligible, or potentially eligible for benefits) of 200 or more.

In conducting the valuation, we relied on information supplied to us by the Village of Mamaroneck. This information included participant data, the terms of the written and unwritten plan, premium rates and other policies and practices of plan. We have relied on this information as accurate, and applied estimates as necessary.

The discount rate used for this year is 4.5%.

To the best of our knowledge and belief, this valuation was conducted in accordance with generally accepted actuarial principles and practices and in accordance with our understanding of GASB #45 and the implementation guidelines published by the Government Accounting Standards Board. The employer may modify the presentation of these disclosures as needed. I am an Enrolled Actuary who satisfies the Qualifications Standards for Actuaries of the AAA that became effective January 1, 2008.

Very truly yours,



Edward A. Echeverria, FSPA, MAAA, CPC, EA  
Senior Actuary

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**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**EXECUTIVE SUMMARY OF RESULTS**

Valuation Date (mid-cycle)                      **June 1, 2015**

Number of Plan Members\*:

Active Participants                                      122

Retired Participants                                      120

Total    242

Average Age of Actives                                      45 yrs.

Average Credited Service  
of Actives    14 yrs.

Current Covered Payroll                                      \$ 14,050,000

Market value of assets as of  
June 1    \$                      -0-

Unfunded Accrued Liability                                      \$ 52,100,000

Annual Required Contribution  
(ARC)    \$ 4,680,000

OPEB Cost for the Year                                      \$ 4,440,000

\*The 2015 "mid-cycle" valuation is reflective of the same participant data as that used for the 2014 valuation. Average age and average service amounts from the 2014 valuation have been displayed.

**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**RESULTS AND DISCLOSURES**

Results have been presented rounded to the nearest \$10,000.

<b><u>VALUATION RESULTS - (Cost to Village)</u></b>		<b>(EPBO) Projected Benefits</b>	<b>(APBO) Unit Credit Accrued Liability</b>
1.	Actuarial present values as of June 1, 2015:		
(a)	Actives (122)	\$ 35,500,000	\$ 20,500,000
(b)	Retirees & Beneficiaries (120)	<u>\$ 31,600,000</u>	<u>\$ 31,600,000</u>
(c)	Total (242)	\$ 67,100,000	\$ 52,100,000
2.	Accrued liability as of June 1, 2015	\$ 52,100,000	
3.	Actuarial value of assets, June 1, 2015	\$ -0-	
4.	Unfunded accrued liability, June 1, 2015	\$ 52,100,000	
5.	Normal cost As of June 1, 2015	\$ 1,420,000	
6.	Amortization of unfunded accrued liability (level dollar basis/open over 30 years)	\$ 3,060,000	
7.	Interest (rounded) on Normal Cost (\$63,393) and Amortization (\$136,607)	\$ 200,000	
8.	Annual Required Contribution (ARC) (5+6+7)	\$ 4,680,000	

**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**RESULTS AND DISCLOSURES**

**DEVELOPMENT OF THE OPEB COST**  
**FOR THE YEAR ENDED MAY 31, 2016**

Actual contribution information is included below.

<u>Contribution rates:</u>	Varies by employee class
Plan Members	(See Summary of Plan Provisions)
 Village:	 Actuarially determined, equals the balance not paid by plan members
 Annual required contribution (ARC)	 \$ 4,680,000
 Interest on net OPEB obligation	 790,000
 Adjustment to annual required contribution (-)	 1,030,000
 Annual OPEB cost	 \$ 4,440,000
 Contributions made*	 \$ 1,700,000
 Increase in net OPEB obligation	 \$ 2,740,000
 Net OPEB obligation-beginning of year	 \$ <u>17,600,000</u>
 Net OPEB obligation-end of year	 \$ <u>20,340,000</u>

\*Contributions made include NYSHIP, and Medicare Part B premium payments of \$1,700,000.

**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**RESULTS AND DISCLOSURES**

**DEVELOPMENT OF UNFUNDED ACTUARIAL ACCRUED LIABILITY**  
**AND FUNDED RATIO (actual)**

Actuarial accrued liability (a)	\$ 52,100,000
Actuarial value of plan assets (b)	\$ 0
Unfunded actuarial accrued liability (a – b)	\$ 52,100,000
Funded ratio (b / a)	0.0%
Covered payroll (c)	\$ 14,050,000
Unfunded actuarial accrued liability as percentage of covered payroll [(a – b) / c]	371%

**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**RESULTS AND DISCLOSURES**

**DEVELOPMENT OF OPEB COST AND OPEB OBLIGATION**  
**FOR THE LAST THREE YEARS (actual)**

<b><u>Year</u></b> <b><u>Ended</u></b>	<b><u>Annual</u></b> <b><u>OPEB Cost</u></b>	<b><u>Percentage of</u></b> <b><u>OPEB Cost</u></b> <b><u>Contributed</u></b>	<b><u>Net OPEB</u></b> <b><u>Obligation</u></b>
5/31/2014	\$4,490,000	32.7%	\$14,810,000
5/31/2015	\$4,260,000	34.5%	\$17,600,000
5/31/2016	\$4,440,000	38.3%	\$20,340,000



**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**RESULTS AND DISCLOSURES**

**REQUIRED SUPPLEMENTARY INFORMATION**  
**SCHEDULE OF FUNDING PROGRESS (actual)**

Actuarial Valuation <u>Date</u>	Actuarial Value of Assets <u>(a)</u>	Actuarial Accrued Liability (AAL) Unit Credit <u>(b)</u>	Unfunded AAL (UAAL) <u>(b - a)</u>	Funded Ratio <u>(a / b)</u>	Covered Payroll <u>(c)</u>	UAAL as a Percentage of Covered Payroll <u>[(b - a) / c]</u>
6/1/2013	\$0	\$53.644M	\$53.644M	0.0%	\$12.87M	417%
6/1/2014	\$0	\$50.42M	\$50.42M	0.0%	\$13.98M	361%
6/1/2015	\$0	\$52.10M	\$52.10M	0.0%	\$14.05M	371%

**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**CONSIDERATIONS**

**NEW STATEMENT**

Government Accounting Standards Board Statement No. 45 (GASB #45) applied to the Village of Mamaroneck beginning with the fiscal year ended May 31, 2009. GASB #45 establishes standards for the measurement, recognition and display of the expense and liabilities of your retiree medical program (Other Post-Employment Benefits; "OPEB"). As a result, reporting of expense and liabilities will no longer be done under the "pay-as-you-go" approach. Instead of expensing the current year premiums paid, a per capita claims cost will be determined, which will be used to determine a "normal cost", an "actuarial accrued liability", and ultimately the Annual Required Contribution (ARC). The ARC is not "required" to be contributed each year, but in your case, will accumulate as a liability on the Village's financial statements (called the "OPEB Obligation") to the extent that the ARC exceeds the amount of premiums paid in a year. If and when New York State municipalities are permitted to pre-fund retiree medical and other OPEB benefits in a Trust, the Village will have the option of doing so to reduce/eliminate the accumulated liability. In addition, pre-funding also permits the use of a higher discount rate (to reflect higher returns from an equity/bond mix of a Trust, rather than short term returns of the municipality's funds).

**PLAN DESIGN**

We received detailed employee and dependent data, information on the plans, past and current employer practices, and medical premium cost data.

**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**CONSIDERATIONS**

For FYE 2015, there are 120 retirees plus dependents who are receiving employer subsidized benefits. We reflected known retirements and terminations in our database through May 31, 2014. Where data was missing or inaccurate, we assumed reasonable estimates. In all, we valued 122 active employees plus dependents.

Retiree medical coverage is provided primarily through NYSHIP (State Empire).

Future retirees are assumed to be covered by this existing arrangement as outlined in the materials forwarded by the Village. Those provisions, as they relate to employer liability, can be found in the Summary of Plan Provisions section of this report.

**ASSUMPTIONS/RECOGNITION**

To establish the per capita claims cost of medical benefits for your group, we used current premium rates provided by the Village as the starting point for our calculations. We then employed a health care trend rate that begins at 9.5% for the first year, decreases by 0.5% per year through year 10 to 5% thereafter. This assumption needs to be reviewed periodically. The health care trend rate is a major contributor to widening the gap between pay-as-you-go recognition and GASB #45 recognition. Due to the Community-Rated Exemption of ASOP 6, adjustments were not required to be made to recognize differences between the average age of the 'full' population and the average age of a 'retiree only' population (to develop age adjusted current premium rates).

**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**SUMMARY OF PLAN PROVISIONS**

The following is a summary of the current major provisions of the retiree medical program.

**1. MEDICAL BENEFITS**

The Plan is a fully insured plan. Current retiree premium rates provided to us by the Village include:

- |                            |                              |
|----------------------------|------------------------------|
| a) Individual Pre-age 65:  | Generally \$772 per month.   |
| b) Family Pre-age 65:      | Generally \$1,715 per month. |
| c) Individual Post-age 65: | Generally \$409 per month.   |
| d) Family Post-age 65:     | Generally \$989 per month.   |

For GASB #45 purposes, the plan is deemed "community-rated". Therefore, adjustments to the premium rates to reflect the difference between the pre-age 65 active/retiree group (for which the current premium rates were based on) and the pre-age 65 retiree group, were not required, due to the "community-rated" exception under ASOP 6.

**2. MEDICARE PART B PREMIUMS – Paid by the Village at \$104.90/mo.**

## SUMMARY OF PLAN PROVISIONS

- a) Non-uniformed:  
An employee must retire after age 55 with at least 10 years of service.
- b) Police Officers:  
An employee must retire with at least 20 years of service (no age requirement).
- c) Spousal benefit upon retiree's death:  
Coverage continued; spouse pays full current premium rate.
- d) Active service death benefit: N/A
- e) Active service disability benefit: N/A

a)	Non-Uniformed	75% individual/50% dependent (100%/75% if hired before 9/10/1990)
b)	Police	100% individual/100% dependent.

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**VILLAGE OF MAMARONECK**  
**RETIREE HEALTH VALUATION UNDER GASB #45**

**SUMMARY OF PLAN PROVISIONS**

5. **FUNDING POLICY:**

The employer's funding policy is to contribute the current annual premium (net of employee contributions) for all retired participants (i.e., pay-as-you-go). Current New York State law prohibits municipalities from pre-funding retiree medical benefit obligations in a Trust, although pre-funding moneys can arguably be "set aside" on the municipality's balance sheet.

Medicare Part D reimbursement by New York State is also considered an "employer contribution" for GASB #45 purposes.

VILLAGE OF MAMARONECK  
RETIREE HEALTH VALUATION UNDER GASB #45

ACTUARIAL BASIS

The Actuarial Basis presented here was employed to perform the 2014/15 actuarial valuation. 2015/2016 is a "mid-cycle" year.

ACTUARIAL FUNDING METHOD:                      Projected Unit Credit

ACTUARIAL ASSUMPTIONS

- |                    |   |
|--------------------|---|
| 1. Valuation Date: | June 1, 2014                                    |
| 2. Discount Rate:  | 4.5% per annum.                                 |
| 3. Salary Scale:   | Not applicable.                                 |
| 4. Mortality:      | RP-2000 Combined Table<br>(proj. 27 & 19 yrs.). |
| 5. Withdrawal:     | Sarasson T-5 Table.                             |
| 6. Disability:     | N/A   |

VILLAGE OF MAMARONECK  
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ACTUARIAL BASIS

7. Retirement:

The following table illustrates the retirement rates:

A) Non-Uniformed  
(10 years of service required)

<u>Retirement Age</u>	<u>Retirement Rates</u>
55	10.0%
56	3.0%
57	3.0%
58	3.0%
59	3.0%
60	5.0%
61	5.0%
62	5.0%
63	5.0%
64	5.0%
65	100.0%

B) Police  
(20 years of service required)

<u>Retirement Age (Svc)</u>	<u>Retirement Rates</u>
(20 <sup>th</sup> year of service)	50.0%
(21 <sup>st</sup> year, to age 54)	2.0%
55	10.0%
56	3.0%
57	3.0%
58	3.0%
59	3.0%
60	5.0%
61	5.0%
62	5.0%
63	5.0%
64	5.0%
65	100.0%



**VILLAGE OF MAMARONECK**  
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**ACTUARIAL BASIS**

8. Health Care Cost  
Trend Rate:

The following table illustrates the assumed health care trend rate for each future year:

<u>Year</u>	<u>Assumed Increase</u>
1	9.5%
2	9.0%
3	8.5%
4	8.0%
5	7.5%
6	7.0%
7+	6.5%
8	6.0%
9	5.5%
10+	5.0%

9. Marital - Actives: Wife is assumed to be same age as the husband. 70% of males and 50% of females are assumed married.
10. Participation Rate: 100% of eligible retirees expected to participate.
10. Inflation Rate: 3% per annum
11. Assumed Sick Days at Retirement for Actives: 200 Days

**ASSET VALUATION METHOD:** Market value.

**AMORTIZATION BASIS:** Level dollar basis/ open; over 30 years.