# Metropolitan Water Reclamation District Retiree Health Care Trust

A Component Unit of The Metropolitan Water Reclamation District of Greater Chicago

Chicago, Illinois

Comprehensive Annual Financial Report Year Ended December 31, 2013

PREPARED BY THE MANAGEMENT AND STAFF OF THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

MARY ANN BOYLE, TREASURER

**TRUST ESTABLISHED DECEMBER 6, 2007** 

# Metropolitan Water Reclamation District Retiree Health Care Trust A Component Unit of the Metropolitan Water Reclamation District of Greater Chicago

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For its Comprehensive Annual Financial Report for the Fiscal Year Ended

# December 31, 2012

Juy K. Ener

Executive Director/CEO

# Metropolitan Water Reclamation District Retiree Health Care Trust

100 East Erie Street Chicago, Illinois 60611 (312) 751-5150

May 7, 2014

Board of Trustees MWRD Retiree Health Care Trust 100 East Erie Street Chicago, Illinois 60611

Dear Trustees:

Submitted herewith is the Comprehensive Annual Financial Report ("CAFR") of the Metropolitan Water Reclamation District Retiree Health Care Trust ("Trust") for the year ended December 31, 2013. Responsibility for the accuracy of the data and the completeness and fairness of the presentation, including all disclosures, is fully assumed by management of the Metropolitan Water Reclamation District of Greater Chicago ("the District"). To the best of our knowledge and belief, the enclosed financial statements, supporting schedules, and statistical tables are accurate in all material respects and are reported in a manner designed to present fairly the financial position and the results of operations of the Trust. All disclosures necessary to enable the reader to gain an understanding of the Trust's financial activities have been included.

Accounting principles generally accepted in the United States of America require that management provide a narrative introduction, overview, and analysis to accompany the basic financial statements in the form of Management's Discussion and Analysis (MD&A). This letter of transmittal is designed to complement the MD&A and should be read in conjunction with it. The MD&A can be found immediately following the report of the independent auditors.

#### INTERNAL CONTROLS

The District operates within a system of internal controls established and continually reviewed by management. This provides reasonable assurance that assets are adequately safeguarded and transactions are recorded correctly according to District policies and procedures. When establishing or reviewing controls, management must consider the cost of the control and value of the benefit derived from its utilization. Management normally maintains and implements all sensitive controls and those controls whose value adequately exceeds their cost. Management believes both the District's and the Trust's internal controls, procedures, and policies adequately safeguard assets and provide reasonable assurance of proper recording of financial transactions. The Trust's annual independent audit disclosed no material weakness.

#### FUND DESCRIPTION

Pursuant to 70 ILCS 2605/9.6d, the Metropolitan Water Reclamation District Retiree Health Care Plan ("Plan") and the Trust Agreement were adopted by the Board of Commissioners ("BOC") of the District effective December 6, 2007, to recognize the contribution made to the employer by its employees. Its purpose is to reward the employees by providing retiree health care benefits for qualifying employees and their eligible spouses and dependents. Retiree health care benefits are defined as post-retirement medical and prescription drug coverage only; no dental, life, or disability benefits are provided by the Plan. The Plan is intended to satisfy the requirements of Section 115 of the Internal Revenue Code of 1986, as amended. The District established the Trust to fund future benefits to be provided under the Plan. The Trust is

considered a component unit of the District and as such is included in the District's financial statements as a retiree health care trust fund.

The Plan and Trust descriptions are provided within the footnotes to the Financial Statements in the Financial Section and within the Actuarial Section of this report.

#### **BOARD OF TRUSTEES**

The Board of Trustees is comprised of the Board of Commissioners of the District ("BOC"). The Trustee of the Trust is the District. The Trustee takes, holds, invests, administers, and distributes contributions and assets paid or delivered to the Trust. All rights, title and interest in and to the assets of the Trust Fund are at all times vested exclusively in the Plan. All contributions received together with the income from the contributions are held, managed, and administered by the Trustee pursuant to the terms of the Plan without distinction between principal and income and without liability for the payment of interest.

The BOC appointed an Executive Committee, comprised of the Chairman of Finance, the Treasurer, and the Director of Finance, to be responsible for certain activities with regard to the Trust, subject to the approval of the BOC. These activities include but are not limited to: recommendation of an investment advisor; acceptance or rejection of investment recommendations from the investment advisor; and certain financial reporting responsibilities.

### PROFESSIONAL STAFF AND SERVICES

The District staff is responsible for providing the various services and information to the Trustee and to the members of the Trust, active and retired. This team is comprised of an Investment Advisor ("Advisor") and personnel from the Treasury, Finance, Human Resources, Budget, and Law Departments of the District. The Trustee selects the Advisor for a five-year service contract via a public Request for Proposal.

Typical staff activities include the development of an Investment Policy and Asset Allocation Strategy; investment and management of Trust assets; regular reporting to the Trustee; internal and external audits of the Trust; and training of the Trustee. General accounting activities are tracked on the SAP Enterprise system.

#### FUNDING POLICY

The BOC established a partial funding policy to advance-fund retiree health care costs. The District believes that advance funding will establish a reserve that will help ensure the financial ability to provide health care coverage for District retirees and their beneficiaries in the future. The Policy is as follows:

Target Funding Level: Funding Period: Funding Amount:	50% 50 years \$10 million funding in each of the first five years beginning in 2007. The \$50 million funding for the first five years was reached by the end of 2011 in compliance with the District's Funding
	Policy.
Basis for Funding:	Percentage of Payroll for each year after first 5 years.

There is currently no legal requirement for the District to partially or fully fund the OPEB Trust Fund and any funding is on a voluntary basis.

#### FUNDING STATUS

The funding for the Trust is accomplished in two parts. The District pays the retiree health care claim payments and insurance premiums from operating funds, and also contributes the advance funding amount to the Trust. Benefit payments and premiums are not paid from the advance funding contributions to the Trust. Currently, the Trust functions solely as an advance funding vehicle.

The District's BOC has discretionary authority to determine contribution amounts to be paid into the Trust. The OPEB Funding Policy includes a target funded ratio of 50% with an expected funding period of 50 years (beginning in 2007), with \$50,000,000 to be contributed by the end of 2011. Through December 31, 2013, \$92,400,000 has been contributed by the District to the OPEB Trust Fund, and the OPEB Funding Policy goal of funding \$10,000,000 in each of the first five years (beginning in 2007) for an aggregate of \$50,000,000 by the end of 2011 was met. The funding policy for 2012 forward requires an annual contribution amount calculated as a percentage of payroll. The advance funding contribution for 2013 was \$20,000,000 which exceeds the funding policy requirement. In succeeding fiscal years the Trust will receive the District (employer) contributions as determined by the BOC.

The Accumulated Unfunded Actuarial Accrued Liability was \$139,481,000 as of December 31, 2013, the date of the most recent actuarial valuation. The unfunded liability represents the amount by which the Accrued Liability exceeds the value of the plan assets that have been placed in a trust and dedicated to providing benefits to retirees and their beneficiaries. Future direction may be changed based on national health care policies.

For fiscal year 2013, the District funded 256.1% of the actuarially determined annual required contribution requirement. The funded ratio was 46.4% at December 31, 2013, the date of the most recent actuarial valuation.

#### INVESTMENT POLICY AND PERFORMANCE

The assets of the Trust shall be managed by the Treasurer of the District in any manner, subject only to prudent investor standards and any requirements of federal law. The Trust shall discharge its duties in the same manner as that of a prudent person acting in a like capacity with the same resources and aims; diversify the holdings of the Trust to minimize the risk of loss and maximize the rate of return; and discharge duties solely in the interest and for the benefit of the funds managed. The Trust Investment Policy was adopted by the Board of Trustees on November 19, 2009 and revised on December 19, 2013.

The Trust reported a total investment return of \$14,862,614 for 2013, yielding 16.3%, compared to the Trust's Policy Index return of 16.4%. In 2012 the Trust reported a total investment return of \$8,787,047, yielding 14.6%, compared the Policy Index return of 11.3%.

Refer to the Investment Section of this report for further information regarding investment authority and performance.

#### ECONOMIC OUTLOOK

Income for the Trust is from two sources: employer contributions and investment income. Income from employer contributions is appropriated each year by the BOC. The Actuarial Accrued Liability was \$260 million as of December 31, 2013, the date of the most recent actuarial valuation. In the long term, both assets and liabilities of the Trust are expected to grow. The target funding level is 50%, with an expected funding period of 50 years. It is projected that the Trust will begin to pay claims in 2025 using investment redemptions of the advance funding contributions made by the District. All benefit claim payments prior to that date will be paid directly by the District on a pay-as-you-go basis. Therefore, there is no liquidity risk in investing the assets for the long term.

#### BENEFITS

The establishment and funding of the Trust is expected to provide multiple benefits, including:

- Progress towards reducing large unfunded liability;
- Capture of long-term investment returns by using the Trust only as a funding vehicle;
- Reduction in future GASB 45 expense and cash funding requirements; and
- Provide funding so that the District is able to ease the financial burden of administering the Plan benefits to its current and future retirees.

# AWARDS AND ACKNOWLEDGMENTS

The preparation of this report reflects the combined efforts of the District staff under the direction of the Board of Trustees. This report is intended to provide complete and reliable information as a basis for making management decisions, as a means of determining compliance with legal provisions, and as a means for determining responsible stewardship of the assets of the Trust.

The Government Finance Officers Association of the United States and Canada ("GFOA") awarded a Certificate of Achievement for Excellence in Financial Reporting to the Trust for its CAFR for the period ended December 31, 2012. The Certificate of Achievement is a prestigious national award recognizing excellence in the preparation of state and local government financial reports.

To be awarded the Certificate of Achievement, a government unit must publish an easily readable and efficiently organized comprehensive annual financial report whose contents meet or exceed the program standards. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

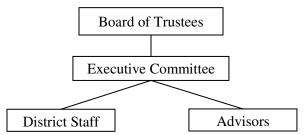
A Certificate of Achievement is valid for only one year. The Trust received a Certificate of Achievement for the last six years. We believe our current report continues to conform to the Certificate of Achievement program requirements; we are therefore submitting it to the GFOA to determine its eligibility for a Certificate of Achievement for the year ending December 31, 2013.

Respectfully submitted,

Mary Un Dorfe

Mary Ann Boyle, Treasurer Metropolitan Water Reclamation District of Greater Chicago

#### **ORGANIZATION CHART AND PRINCIPAL OFFICIALS**



#### **BOARD OF TRUSTEES**

The Board of Trustees is comprised of the District's Board of Commissioners.

Board of Trustees	Year First Elected	Term Expires
Kathleen Therese Meany, <i>President</i> Barbara J. McGowan, <i>Vice President</i> Mariyana T. Spyropoulos, <i>Chairman of Finance</i>	1990 1998 2010	2014 2016 2016
Michael A. Alvarez Frank Avila Cynthia M. Santos Debra Shore Kari K. Steele Patrick D. Thompson	2010 2002 1996 2006 2012 2012	2016 2014 2014 2018 2018 2018 2018

#### **EXECUTIVE COMMITTEE**

Mariyana T. Spyropoulos, Chairman of Finance Mary Ann Boyle, Treasurer of the District Jacqueline Torres, Clerk/Director of Finance

#### **DISTRICT STAFF**

Treasury Department – Mary Ann Boyle, Treasurer Finance Department – Jacqueline Torres, Clerk/Director of Finance Department of Human Resources – Denice Korcal, Director of Human Resources Law Department – Ronald Hill, General Counsel

#### **ADVISORS**

Actuary: PriceWaterhouseCoopers, LLP. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2015.

Investment Advisor: Segal Advisors, Inc. d/b/a Segal Rogerscasey. See further detail in the summary schedule of investment fees on page 21.

**FINANCIAL SECTION** 



Baker Tilly Virchow Krause, LLP 205 N Michigan Ave Chicago, IL 60601-5927 tel 312 729 8000 fax 312 729 8199 bakertilly.com

#### INDEPENDENT AUDITORS' REPORT

To the Members of the Board of Trustees Metropolitan Water Reclamation District Retiree Health Care Trust Chicago, Illinois

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

We have audited the accompanying financial statements of the Metropolitan Water Reclamation District Retiree Health Care Trust (Trust), a component unit of the Metropolitan Water Reclamation District of Greater Chicago, as of and for the year ended December 31, 2013, and the related notes to the financial statements, which collectively comprise the Trust's basic financial statements as listed in the table of contents.

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

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

#### Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the 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 Trust'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 Trust'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.



To the Members of the Board of Trustees Metropolitan Water Reclamation District Retiree Health Care Trust

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

The Trust's financial statements include partial prior year comparative information. Such information does not include notes to the basic financial statements or management's discussion and analysis which are required to constitute a presentation in conformity with GAAP. Accordingly, such information should be read in conjunction with the Trust's financial statements for the year ended December 31, 2012 from which such partial information was derived.

#### Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Trust as of December 31, 2013, and the changes in its financial position for the year then ended in accordance with accounting principles generally accepted in the United States of America.

#### **Other Matters**

#### Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and schedules of funding progress, employer contributions and actuarial assumptions as listed in the table of contents be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

#### Supplementary Information

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the Trust's basic financial statements. The schedules of administrative expenses and investment fees as listed in the table of contents are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements the underlying accounting and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedules of administrative expenses and investment fees as listed in the table of contents are fairly stated in all material respects, in relation to the basic financial statements as a whole.

To the Members of the Board of Trustees Metropolitan Water Reclamation District Retiree Health Care Trust

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the Trust's basic financial statements. The Introductory Section, Investment Section, Actuarial Section and Statistical Section listed in the table of contents are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

Baker Tilly Vinchow Krause, LLP

Chicago, Illinois May 7, 2014

#### Metropolitan Water Reclamation District Retiree Health Care Trust A Component Unit of the Metropolitan Water Reclamation District of Greater Chicago

#### FINANCIAL SECTION Management's Discussion and Analysis (Unaudited) Year Ended December 31, 2013 (With comparative amounts for prior year)

#### MANAGEMENT'S DISCUSSION AND ANALYSIS (Unaudited)

This section presents management's discussion and analysis of the Trust's financial performance for the years ended December 31, 2013 and 2012, and provides an introduction to the financial statements of the Trust. It is designed as required supplementary information which focuses on current activities, resulting changes and current known facts. It should be read in conjunction with the letter of transmittal found in the Introductory Section of this report.

#### **Overview and Analysis of the Financial Statements**

The Financial Section of the Trust's Comprehensive Annual Financial Report consists of the following parts: the independent auditor's report; management's discussion and analysis; the financial statements, including notes to the financial statements; required supplementary information and supplementary information.

The Trust prepared its financial statements on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America. The Statement of Plan Net Position includes all of the Trust's assets and liabilities and provides information about the nature and amount of investments available to satisfy the retiree health care benefits of the Trust. All additions to and deductions from the net position held in trust for retiree health care benefits are accounted for in the Statements of Changes in Plan Net Position. These statements measure the Trust's success in increasing the net position available for retiree health care benefits.

On August 23, 2007, the General Assembly of the State of Illinois approved the amendment to the Metropolitan Water Reclamation District Act (70 ILCS 2605/9.6d), which authorized and set forth the requirements for the establishment of the District Other Postemployment Benefit Trust ("OPEB Trust"), for the purpose of providing for the funding and payment of health and other fringe benefits for retired, disabled, or terminated employees of the District or for their dependents and beneficiaries. The Trust was established December 6, 2007.

The Statement of Plan Net Position and Statement of Changes in Plan Net Position measure the value of the plan's net position and the changes to it. As of December 31, 2013, the plan net position increased to \$120,883,435 from \$86,101,926 at December 31, 2012.

#### PLAN NET POSITION AND CHANGES IN PLAN NET POSITION

The following table summarizes the Plan's Statements of Net Position:

Condensed Statements of Net Position as of December 31:					
	2013	2012	Change	Change	
Assets					
Cash and Cash Equivalents	\$ 3,260,784	\$ 2,150,290	\$ 1,110,494	51.6%	
Investments at Fair Value	117,420,266	83,849,674	33,570,592	40.0%	
Accrued Interest Receivable	205,885	115,962	89,923	77.5%	
Total Assets	120,886,935	86,115,926	34,771,009	40.4%	
Liabilities					
Accounts Payable	3,500	14,000	(10,500)	-75.0%	
Total Liabilities	3,500	14,000	(10,500)	-75.0%	
Plan Net Position Held In Trust for OPEB	\$ 120,883,435	\$86,101,926	\$34,781,509	40.4%	

In 2013, the increase in plan net position resulted primarily from the Employer's contribution to the Trust of \$20 million as well as investment earnings for the year. The Trust's time-weighted investment rate of return was 16.29% for 2013.

The following table summarizes the Plan's Statements of Changes in Net Position:

#### Condensed Statements of Changes in Plan Net Position:

		Ended 013	Year Ended 2012	Change	Percent Change
Additions:					
Contributions by Employer	\$ 33,	834,831	\$35,426,215	\$ (1,591,384)	-4.5%
Contributions by Retirees	6	217,826	5,821,019	396,807	6.8%
Total Contributions	40	052,657	41,247,234	(1,194,577)	-2.9%
Net Appreciation in Fair Value of					
Investments	13,	146,950	7,200,445	5,946,505	82.6%
Interest and Dividends	1,	715,664	1,586,602	129,062	8.1%
Total Investment Return	14	862,614	8,787,047	6,075,567	69.1%
Less Investment Expenses		(42,575)	(45,337)	2,762	6.1%
Net Investment Income	14	820,039	8,741,710	6,078,329	69.5%
Total Additions	54,	872,696	49,988,944	4,883,752	9.8%
Deductions:					
Retiree Health Care Benefits	20.	052,657	18,847,234	1,205,423	-6.4%
Administrative Expenses		38,530	36,068	2,462	-6.8%
Total Deductions	20	091,187	18,883,302	1,207,885	-6.4%
Net Increase in Net Position	34,	781,509	31,105,642	3,675,867	11.8%
Net Position					
Beginning of year	86	101,926	54,996,284	31,105,642	56.6%
End of year	\$ 120	883,435	\$86,101,926	\$34,781,509	40.4%

#### Additions

Additions are accumulated through employer and retiree contributions, and returns are provided by invested assets. Total additions for 2013 were \$54.9 million compared to \$50.0 million in 2012, an increase of \$4.9 million or 9.8%. Employer and retiree contributions were \$40.1 million for 2013, representing a decrease of \$1.2 million or 2.9%. Advance funding contributions of \$20.0 million were made by the District in 2013. Through December 31, 2013, a total of \$92.4 million has been contributed to the Trust. The 2013 net investment income of \$14.8 million was due to the net appreciation in fair value of investments of \$13.1 million and dividends earned on mutual fund investments of \$1.7 million. Net investment income is a combination of interest and dividend income, and gains and losses on investments held at year-end. The strong investment return for 2013 reflected a 30.3% return on equity investments reflecting a continued "risk-on" market environment with the sustained ultra-accommodative monetary policy of the U.S. Federal Reserve along with strengthening corporate balance sheets.

#### Deductions

The expenses paid by the Trust are retiree health care benefit payments and administrative expenses. Total deductions for 2013 were \$20.1 million compared to \$18.9 million in 2012, an increase of \$1.2 million or 6.4%. Benefit payments increased 6.4% from 2012, representing a normal increase due to medical cost inflation. Total administrative expenses represent the cost of fiduciary insurance for the Trustee, along with external audit fees.

-			2013	2012
	2013	2012	•	Time-Weighted
	Percent of	Percent of	Investment	Investment
Asset Class	Investments	Investments	Return	Return
Equity Mutual Funds	67%	66%	30.32%	17.85%
Domestic Fixed Income				
Mutual Funds	30%	32%	-3.16%	8.49%
Cash & Cash Equivalents	3%	2%	0.02%	0.01%
Total	100%	100%	16.29%	14.63%

**Return on Investments and Asset Allocation** 

Comparative investment returns by asset allocation are as follows:

The Trust had deposits awaiting investment of \$10,006,231 at December 31, 2013 and \$10,095,299 at December 31, 2012 in the Illinois Funds money market investment pool, as managed by the State of Illinois, Office of the Treasurer. Deposits at December 31, 2013 and 2012 were maintained as cash equivalents awaiting investment direction from the Executive Committee. The deposits on hand at Illinois Funds are therefore excluded from the above asset allocation percentages.

The increase in value of the Trust's invested assets was 45.9%. The return on invested assets for 2013 using the Modified Dietz time-weighted approach was 16.3%, calculated on a quarterly compounded basis. The disparity between the percentage return on investments and the larger increase in asset value reflects the impact and timing of \$20.0 million advance funding contributions made during 2013.

#### Funded Status

The Trust's funded status is the ratio of the actuarial value of assets to the actuarial liability and is a measure of the ability to pay all future benefits from the assets held in the Trust. The Trust's funded ratio as of December 31, 2013, was 46.4%, an increase from 13.9% as of December 31, 2011, the date of the previous actuarial valuation.

The District's Annual Required Contribution (ARC) represents the employer contribution that would be needed each year to fund the retiree health care benefits over a period not exceeding 30 years. The District's ARC was calculated to be \$13.2 million and \$27.3 million for 2013 and 2012, respectively. The actual contribution for 2013 and 2012 was 256% and 130% of the ARC, respectively. Details about both of these indicators are found in the Statistical section of the CAFR.

The increase in the funded ratio and resulting decrease in the ARC were due to changes in actuarial assumptions to more accurately reflect claims experience for the Plan, the significant amount of advance funding contributions from the District well ahead of the funding policy requirements, and investment returns that outperformed the Plan's assumed rate of return. The District is well on its way to meet its goals of providing financial stability to the Plan.

#### **Required Supplementary Information**

To provide actuarial determined information about the Trust, this report includes schedules of historical trend information in the Required Supplementary Information (RSI) section. The RSI provides a Schedule of Funding Progress, a Schedule of Employer Contributions, and a Summary of Actuarial Assumptions. The Schedule of Funding Progress and the Schedule of Employer Contributions provide actuarial information to help the reader understand the changes in the actuarial funding and funded status of the Trust over time. Please note that the actuarial information is based on assumption about future events, and therefore, the figures presented are estimates.

The Schedule of Funding Progress provides information about the progress made to accumulate sufficient assets to pay benefits when due. It presents the funded status of the Trust by comparing the actuarial value of the assets to the actuarial accrued liability, including the ratio of the actuarial value of assets to the actuarial accrued liability (funded ratio). The funded ratio increases or decreases over time dependent upon the relationships between contributions, investment performance, benefit changes, and actuarial assumption changes based upon participant information and characteristics. Actuarial liabilities in excess of assets indicate that an insufficient amount of assets have accumulated to fund future benefits of current members and retirees. The funded ratio was 46.4% at December 31, 2013, the date of the most recent actuarial valuation. The schedule presents information for the four previous actuarial valuation dates.

The Schedule of Employer Contributions presents information about the Trust's annual required contributions and the contributions actually made to display the performance of the funding of the Trust, along with the related percentages the employer has contributed to meet the requirements. The Employer contributed 256% of the actuarial required contribution for 2013. The Schedule of Employer Contributions presents information from the last seven years.

The Actuarial Assumptions presented were determined as part of the actuarial valuation at December 31, 2013. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2015.

#### **Other Information**

This report also includes an Investment Section, an Actuarial Section, and a Statistical Section. The Investment Section contains the investment consultant report, a statement on investment authority and responsibility, an outline of investment policies, reports on investment objectives, allocation, performance, assets, and analytics, a schedule of investment returns, and a summary schedule of investment fees. The Actuarial Section contains the Actuary's Certification Letter, an introduction, a summary of assumptions and methods, and other actuarial information. The statistical section consists of a description of the statistical schedules, member statistics, and the change in net positions, revenues by source, schedule of return on investments, schedule of employer contributions, and schedule of expenses by type.

#### **CONTACT INFORMATION**

This Report is intended to provide a general overview of the Metropolitan Water Reclamation District Retiree Health Care Trust. Questions or requests for additional information should be addressed to the Trust at 100 East Erie Street, Chicago, Illinois 60611, Attn: Treasurer, or call (312) 751-5150.

#### FINANCIAL SECTION Financial Statements

# Statements of Plan Net Position December 31, 2013 (With comparative amounts for prior year)

	2013		2012	
Assets				
Cash and Cash Equivalents	\$	3,260,784	\$	2,150,290
Investments at Fair Value				
Fixed Income Mutual Funds		33,666,900		24,080,754
Equity Mutual Funds		73,747,135		49,673,621
Illinois Funds Investment Pool	10,006,231			10,095,299
Total Investments	117,420,266		83,849,674	
Accrued Interest Receivable		205,885		115,962
Total Assets		120,886,935		86,115,926
Liabilities				
Accounts Payable		3,500		14,000
Total Liabilities		3,500		14,000
Plan Net Position Held In Trust for OPEB	\$	120,883,435	\$	86,101,926

See accompanying notes to the Financial Statements

#### FINANCIAL SECTION Financial Statements

### Statements of Changes in Plan Net Position Year Ended December 31, 2013 (With comparative amounts for prior year)

	 2013	 2012
Additions:		
Contributions by Employer	\$ 33,834,831	\$ 35,426,215
Contributions by Retirees	 6,217,826	 5,821,019
Total Contributions	 40,052,657	 41,247,234
Net Appreciation in Fair Value of Investments	13,146,950	7,200,445
Interest and Dividends	 1,715,664	 1,586,602
Total Investment Return	14,862,614	8,787,047
Less Investment Expenses	(42,575)	(45,337)
Net Investment Income	 14,820,039	 8,741,710
Total Additions	 54,872,696	 49,988,944
Deductions:		
Retiree Health Care Benefits	20,052,657	18,847,234
Administrative Expenses	38,530	36,068
Total Deductions	 20,091,187	 18,883,302
Net Increase in Plan Net Position	34,781,509	31,105,642
Net Position Held in Trust for OPEB		
January 1	 86,101,926	 54,996,284
December 31	\$ 120,883,435	\$ 86,101,926

See accompanying notes to the Financial Statements

#### 1. Summary of Significant Accounting Policies

a. Reporting Entity

Pursuant to 70 ILCS 2605/9.6d, the Metropolitan Water Reclamation District of Greater Chicago (District) adopted the Plan and Trust effective December 6, 2007, to recognize the contribution made to the District by its Employees. Its purpose is to reward them by providing benefits for those employees who shall qualify hereunder and their eligible spouses and dependents.

The intention of the District is that the Plan satisfies the requirements of Section 115 of the Internal Revenue Code of 1986, as amended. A private letter ruling regarding the exclusion of the Trust's income from gross income under Section 115 has been received from the IRS.

The Metropolitan Water Reclamation District Retiree Health Care Trust (Trust) is a component unit of the District and, as such, is included in the District's financial statements. As defined by accounting principles generally accepted in the United States of America established by the Governmental Accounting Standards Board (GASB), the financial reporting entity consists of a primary government, as well as its component units, which are legally separate organizations for which the elected officials of the primary government are financially accountable, or for which the nature and significance to the primary government are such that exclusion would cause the reporting entity's financial statements to be misleading or otherwise incomplete. Based on the required criteria, the Trust has no component units.

b. Basis of Accounting

The Trust's financial statements are prepared using the accrual basis of accounting. Employer contributions to the Trust are recognized when due and the employer has made a formal commitment to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan.

c. Cash Equivalents

Cash equivalents consist of money market funds with a maximum weighted average maturity of 60 days.

d. Investments

The Trust is authorized under State Statute 70 ILCS 2605/9.6d. In accordance with the Statute, the Trust funds shall be managed by the District Treasurer in any manner deemed appropriate subject only to the prudent person standard. The Trust adopted its investment policy on November 19, 2009, which was revised on December 19, 2013.

The Trust's assets are invested in fixed income and equity open-ended mutual funds traded on national securities exchanges. Investments are stated at fair value. The fair value of mutual fund units traded on national securities exchanges is the last reported sales price on the last business day of the fiscal year of the Trust. Purchases and sales

of mutual fund units are accounted for on the trade dates. For purposes of determining realized gains or losses on the disposal of investments, the "first in first out" disposition method is used at the time of sale.

The Trust's assets are also invested in the Illinois Funds. Illinois Funds is an investment pool managed by the State of Illinois, Office of the Treasurer, which allows governments within the State to pool their funds for investment purposes. Illinois Funds is not registered with the SEC as an investment company, but does operate in a manner consistent with Rule 2a7 of the Investment Company Act of 1940. Investments in Illinois Funds are valued at Illinois Fund's share price, which is the price the investment could be sold for.

e. Management's Use of Estimates

The preparation of financial statements requires management to make estimates and assumptions that affect the reported amount of assets, liabilities, revenues and expenses. Actual results could differ from those estimates. The District uses an actuary to determine the actuarial accrued liability for post-retirement benefits and to determine the actuarially required contribution and annual OPEB expense. A change in the actuarial assumptions used could significantly change the amounts reported in the accompanying financial statements.

The information included in this report is based on the actuarial valuation performed as of December 31, 2013. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2015.

f. Description of Fiscal Year

The District established the Trust on December 6, 2007, and elected to follow a calendar year for financial reporting, consistent with the District. These financial statements cover the year ended December 31, 2013.

g. Comparative Data

The Trust's financial statements present comparative data for the prior year to provide an understanding of the changes in position and activities.

#### 2. Plan Description and Contribution Information

a. Membership

Membership of the Trust consisted of the following at December 31, 2013, the date of the latest actuarial valuation:

Retirees and survivors receiving benefits	1,964
Retiree dependent spouses receiving coverage	844
Active plan members	1,875
Total	4,683

b. Plan and Trust Description

The Metropolitan Water Reclamation District's Retiree Health Care Plan (Plan) is a single-employer defined benefit postemployment health care plan that covers eligible retired employees of the District. The Plan, which is administered by the District, allows employees who retire and meet certain eligibility requirements to continue medical and prescription drug coverage as a participant in the District's plan. Spouses and dependents of eligible retirees are also eligible for medical coverage. All employees of the District are eligible to receive postemployment health care benefits. Lifetime coverage for retirees and their spouses and dependents is provided. The Trust was established to advance fund benefits provided under the Plan.

c. Contributions

State Statute 70 ILCS 2605/9.6d is the legislation establishing the Trust and gives the District Board of Commissioners (BOC) discretionary authority to determine contribution amounts to be paid by the District. In accordance with the legislation, the BOC may lawfully agree with the Trust to a binding level of funding for periods of time not to exceed 5 fiscal years. As of the date of this report, the BOC has not entered into any such agreements. In addition, the Trust documents permit employees of the District to contribute money to provide for such benefits. No contribution is required at this time.

Under the terms of the Plan, the Retired plan members and beneficiaries currently receiving benefits are required to contribute specified amounts monthly toward the cost of health insurance premiums. The District is required to contribute the balance of the current premium and claims costs. The District has contributed \$92,400,000 to the Trust as the advance funding amount to date.

d. Retiree Health Care Benefit Costs

Benefit costs are post-retirement medical and prescription drug coverage benefit premiums and claims paid by the District.

#### e. Administrative Costs

Administrative costs of the Trust will be financed primarily through investment earnings; however, the Trust is not prohibited from expending contributions for administrative purposes.

#### 3. Funded Status and Funding Progress

The funded status of the plan as of the December 31, 2013, actuarial valuation is as follows (amounts in thousands):

	Actuarial	Actuarial Accrued		nfunded/			UAAL as a Percentage
Actuarial Valuation Date	Value of Assets (a)	Liability (AAL) (b)	•	verfunded) AL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	of Covered Payroll ((b-a)/c)
12/31/2013	\$120,883	\$ 260,364	\$	139,481	46.43%	\$164,005	85.0%

Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality, and the health care cost trend. Actuarially determined amounts are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future. The schedule of funding progress, presented as required supplementary information following the notes to the financial statements, presents information about whether the actuarial values of plan assets are increasing or decreasing over time relative to the actuarial accrued liabilities for benefits.

The schedule of employer contributions is included as part of the required supplementary information and presents information about the amounts contributed to the plan by employers in comparison to the Annual Required Contribution ("ARC"), an amount that is actuarially determined in accordance with the parameters of GASB Statement 45. The ARC represents a level of funding that, if paid on an ongoing basis, is projected to cover normal cost for each year and amortize any unfunded actuarial liabilities (or funding excess) over a period not to exceed thirty years.

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

Additional information as of the latest actuarial valuation follows:

Valuation date	December 31, 2013
Actuarial cost method	Projected Unit
	Credit
Amortization method	Level percent of payroll
	Open
Amortization period	30 Years
Asset valuation method	Fair Value
Actuarial assumptions:	
Discount Rate	7.0%
Inflation Rate	3.0%
Health Care Cost Trend Rate	7.3% Initial
	5.0% Ultimate (Year 2018)
Annual Payroll Growth Rate	3.6%
Disability	None
Age of Spouse	Husbands are assumed to be 3 years older than their wives.
Coverage at	90% of future eligible service retirees are assumed to elect coverage at retirement. 76% of active employees are assumed to have single plus spouse coverage at retirement.
Dependent children	No children are assumed to be covered at retirement.
Medicare eligibility	100% of members are assumed to enroll in Medicare if eligible and hired on or after April 1, 1986. 93% of members are assumed to enroll in Medicare if eligible and hired prior to April 1, 1986.

#### 4. Investments

a. Allocation Targets

The Trust's investment policy was initially adopted on November 19, 2009, and is designed to control for risk and provide guidance in establishing a prudent investment strategy that serves the long-term needs of the Trust and its beneficiaries. The Trust's investment policy allowed for a range of exposures to three aggregate asset classes as follows:

Asset Class	Minimum	Normal	Maximum
Equities & Other Variable Income	40%	60%	75%
Fixed Income Securities	25%	39%	60%
Cash & Cash Equivalents	0%	1%	100%

The Trust's investment policy was revised on December 19, 2013 to allow for new asset allocation targets that are structured to provide competitive performance while minimizing the potential for losses. The Trust's investment portfolio will be rebalanced during fiscal year 2014 to comply with the revised allocation targets.

b. Interest Rate Risk

The Trust's benefit liabilities extend many years into the future, and the Trust's policy is to maintain a long-term focus on its investment decision-making process. Fixed income investments susceptible to interest rate risk are monitored to prevent such investments from exceeding established allocation targets.

At December 31, 2013, the Trust's investments in open-ended fixed income mutual funds stated at fair value with weighted average maturities are as follows:

Fund Name	Fair Value	Percentage	Weighted Average Maturities (Years)
Dodge & Cox Income	\$13,701,005	40.7%	7.9
Payden Core Bond Fund	2,430,676	7.2%	7.8
PIMCO Total Return Instl	17,535,219	52.1%	6.0
		100.0%	

The Trust's net fair value of investments in the Illinois Funds was \$10,006,231 as of December 31, 2013 having a weighted-average maturity of less than one year.

c. 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. This is measured by the assignment of a rating by a nationally recognized statistical rating organization. The Trust's Investment Policy

requires a minimum of 85% of the fixed income holdings of an actively managed fixed income mutual fund be of investment grade quality or higher at purchase; rated no lower than "Baa" by Moody's and no lower than "BBB" by Standard and Poor's. The Trustee, at its discretion, may impose a higher standard on an individual investment's circumstances or as investment objectives dictate. Fixed income purchases shall be limited to obligations issued or guaranteed as to principal and interest by the U.S. Government, Canadian Government, or any agency or instrumentality thereof, or to corporate and municipal issues.

As of December 31, 2013, the Trust's investments in open-ended fixed income mutual funds were not individually rated by a nationally recognized statistical rating organization. The following are percentages of fixed income investment portfolio securities within each credit-quality rating as of December 31, 2013:

		Fund Name			
	Dodge & Cox Income	Payden Core Bond Fund	PIMCO Total Return Institutional		
	(1)	(1)	(2)		
Credit Rating		Percentag	e		
AAA	44.4	7.1	69.0		
AA	2.1	36.3	4.0		
A	13.2	15.3	5.0		
BBB	27.9	30.4	12.0		
BB	9.7	4.4	5.0		
В	2.7	4.0	1.0		
Below B	-	2.5	4.0		
Total	100.0	100.0	100.0		

- (1) Provided by Morningstar, Inc. Report details the percentage of fixed-income securities that fall within each credit-quality rating as assigned by Standard & Poor's or Moody's credit rating agencies.
- (2) Provided directly from PIMCO Investments, LLC. Information not available from Morningstar, Inc.

The credit rating for the Illinois Funds was AAAm by Standard and Poor's at December 31, 2013.

d. Foreign Currency Risk

The Trust's Investment Policy requires that it disclose any investment denominated in a foreign currency. Exposure to foreign currency risk is limited to the international investment allocation target maximum of 20% of the fair value of the investment portfolio.

As of December 31, 2013, the Trust investments in international equity open-ended mutual funds stated at fair value are as follows:

Fund Name	Fair Value
Harbor International Institutional	\$11,328,815
Artisan International Fund	5,849,935
	\$17,178,750

#### e. Custodial Credit Risk

The Trust's Investment Policy requires that all investments and investment collateral be held in safekeeping by a third party custodial institution, as designated by the Treasurer, in the Trust's name. Custodial credit risk is the risk that, in the event of the failure of the counterparty, the Trust will not be able to recover the value of its investments or collateral securities which are in the possession of the outside party. All cash balances maintained at banks are required to be collateralized with permitted U.S. Government Securities in an amount equal to 105% (at market) of the monies on deposit. Cash awaiting reinvestment in the Trust's investment account is protected up to \$250,000 under coverage by the Securities Investor Protection Corporation (SIPC). As of December 31, 2013, the Trust had no exposure to custodial credit risk since all investments were registered or held in the Trust's name.

**REQUIRED SUPPLEMENTARY INFORMATION** 

#### **REQUIRED SUPPLEMENTARY INFORMATION**

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	(0)	nfunded/ /erfunded) AL (UAAL) (b-a)	Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
12/31/2013	\$120,883	\$ 260,364	\$	139,481	46.43%	\$164,005	85.0%
12/31/2011	54,996	394,676		339,680	13.93%	162,853	208.6%
12/31/2009	47,891	526,476		478,585	9.10%	170,392	280.9%
1/1/2007	25,025	442,683		417,658	5.65%	158,832	263.0%

#### SCHEDULE OF FUNDING PROGRESS (amounts in thousands):

#### SCHEDULE OF EMPLOYER CONTRIBUTIONS (amounts in thousands): Years ended December 31

Fiscal	Annual		Annual	
Year	Required	С	ontributions	Percentage
Ended	Contribution		to Trust*	Contributed*
2013	\$ 13,212	\$	33,835	256.1%
2012	27,264		35,426	129.9%
2011	27,264		18,020	66.1%
2010	39,847		15,517	38.9%
2009	39,847		14,592	36.6%
2008	44,739		35,819	80.1%
2007	44,739		37,334	83.4%

Note: The Trust was established in 2007.

\*The percentage contributed represents all contributions made by the employer (District) in relation to the Annual Required Contribution (ARC). Amounts contributed include both direct contributions to the Trust, and benefit payments made by the District.

#### Notes to Schedules of Funding Progress and Employer Contributions

The information presented in the required supplementary schedules was determined as part of the actuarial valuation at the date indicated. An actuarial valuation is required to be performed biennially for the Trust. Additional information as of the most recent actuarial valuation is detailed on the following page.

See accompanying independent auditors' report.

# **REQUIRED SUPPLEMENTARY INFORMATION**

### **ACTUARIAL ASSUMPTIONS:**

Valuation date	December 31, 2013
Actuarial cost method	Projected Unit
	Credit
Amortization method	Level percent of payroll
	Open
Amortization period	30 Years
Asset valuation method	Fair Value
Actuarial assumptions:	
Discount Rate	7.0%
Inflation Rate	3.0%
Health Care Cost Trend Rate	7.3% Initial
	5.0% Ultimate (Year 2018)
Annual Payroll Growth Rate	3.6%
Disability	None
Age of Spouse	Husbands are assumed to be 3 years older than their wives.
Coverage at	90% of future eligible service retirees are assumed to elect coverage at retirement. 76% of active employees are assumed to have single plus spouse coverage at retirement.
Dependent children	No children are assumed to be covered at retirement.
Medicare eligibility	100% of members are assumed to enroll in Medicare if eligible and hired on or after April 1, 1986. 93% of members are assumed to enroll in Medicare if eligible and hired prior to April 1, 1986.

# SUPPLEMENTARY INFORMATION

# SUPPLEMENTARY INFORMATION

# SUMMARY SCHEDULE OF ADMINISTRATIVE EXPENSES

	Year Ended December 31, 2013		Year Ended December 31, 2012	
Professional services - audit fees Fiduciary insurance	\$	27,200 11,330	\$	26,100 9,968
Total Administrative Expenses	\$	38,530	\$	36,068

#### SUMMARY SCHEDULE OF INVESTMENT FEES

	ar Ended ber 31, 2013	Year Ended December 31, 2012		
Investment consulting fees Custodian transaction fees	\$ 42,000 575	\$	44,222 1,115	
Net Investment Expenses	\$ 42,575	\$	45,337	

# **INVESTMENT SECTION**

#### **INVESTMENT SECTION**

### INVESTMENT CONSULTANT REPORT

Segal Rogerscasey 101 North Wacker Drive, Suite 500 Chicago, IL 60606-1724

March 18, 2014

Board of Trustees, Metropolitan Water Reclamation District Retiree Health Care Trust 100 East Erie Street Chicago, IL 60611-2829

To the Board of Trustees:

Segal Rogerscasey was hired as the investment consultant for the Metropolitan Water Reclamation District Retiree Health Care Trust during the third quarter of 2012. We are currently assisting the Trust in review of the investment policy, recommending changes to the Trust's asset allocation investment strategy and investment manager selections, and providing quarterly investment performance reviews and analysis.

#### Investment Policy

The Trust's investment policy was adopted by the Trust on November 19, 2009 and allows for a range of exposures to three aggregated asset classes as follows:

Asset Class	Benchmark Fund Asset Mix			
	Minimum	Maximum		
Equities & Other Variable Income Investments	40%	60%	75%	
Fixed Income Securities (Bonds)	25%	39%	60%	
Cash/Cash Equivalents (Money Market)	0%	1%	100%	

The Trust's investment policy was revised on December 19, 2013 to allow for new asset allocation targets that are structured to provide competitive performance while minimizing the potential for losses. The Trust's investment portfolio will be rebalanced during fiscal year 2014 to comply with the revised allocation targets.

#### Investment Portfolio Activities

In 2013, \$10.0 million was contributed to the investment custodial account, coupled with \$1.7 million in dividends and interest generated by the underlying funds. The \$11.7 million was invested per the guidelines stated within the Trust's investment policy. Total District contributions to the investment custodial account have aggregated to \$82.4 million as of year-end 2013. Trust holdings in the custodial

#### **INVESTMENT SECTION**

account at year-end 2013 were valued at \$110.7 million. An additional \$10 million District contribution was invested in the Illinois funds money market account awaiting investment direction in 2014. Investments of the Trust are stated at fair value at the last reported sales price on the last business day for the fiscal year of the Trust.

Trust investments are allocated approximately 65% to equities and 35% to fixed income investments. The 65% allocation to equities is divided among nine equity mutual funds that cover a broad range of equity style categories including domestic and international, and large, medium and small capitalization equities, including one real estate investment trust (REIT). The 35% allocated to fixed income is divided among three fixed income managers that invest primarily in high quality domestic and international fixed income securities. A money market fund is used to facilitate transactions and to accumulate fund distributions pending reinvestment.

Trust assets invested in the custodial account totaled \$110.7 million at year-end 2013, compared with \$75.9 million at year-end 2012. As shown in the attached tables, the change in value of the account reflected a contribution of \$20.0 million and a gain of \$14.8 million on the investment account during 2013. The \$14.8 million gain reflected an increase in Capital Appreciation of \$13.1 million, bolstered by an additional \$1.7 million of Interest and Dividend Income. This resulted in a 45.85% increase in the assets held by the Trust. The return on invested assets for 2013 using the Modified Dietz approach was 16.29%, calculated on a quarterly compounded basis. The Modified Dietz approach is a time-weighted rate of return methodology based on market values and is consistent with the CFA (Chartered Financial Analyst) Institute global investment performance standards (GIPS). The disparity between the percentage return on investments and the larger increase in asset value reflects the impact and timing of the \$20.0 million contributions made throughout the year.

The strong 16.29% investment return generated by the OPEB Trust for 2013 reflected a 30.32% return on equity investments, while fixed income investments posted a -3.16% return, mitigating further outperformance. The large positive return on equities reflected the continued "risk-on" market environment; with the sustained ultra-accommodative monetary policy of the Federal Reserve coupled with strengthening corporate balance sheets, investors' appetite for riskier assets amplified, thus benefitting the broad equity market. More specifically, the long-awaited taper of the Fed's bond purchases along with Congressional compromise on the recent budget sustained the rally in U.S. equities through the end of the year. Additionally, as concerns continued to subside regarding the European economic recovery, developed international markets benefitted in tandem. Conversely, as developed markets benefitted from the positive economic news, emerging markets equities faltered. The trail of "hot" money flows from investors seeking to add risk in search of further yield began to reverse course as the Fed noted that their eventual reduction, or tapering, of asset purchases would most likely commence by year's end. Following suit, broad market fixed income returns suffered as interest rates rose by over 100 basis points in response to the Fed's "taper talk", posting negative returns across most sub-asset classes. Although the Federal Reserve maintained their forward guidance that targeted interest rates would remain low for a protracted period, perhaps extending into 2015, a global sell-off commenced causing bond returns to wane.

A blended benchmark has previously been designated for evaluation of the performance of the Trust's investment account. Appropriate individual benchmarks are used for evaluation of underlying investments based on their respective investment style categories. The blended benchmark for evaluation of the Trust account's performance is a mix of the S&P 500 Index (35.5%), CRSP U.S. Small Cap TR Index (10%), MSCI EAFE Index (15%), Barclay's U.S. Aggregate Bond Index (34.5%), and Wilshire US REIT Index (5%). The blended benchmark returned 16.41% during 2013, calculated on a quarterly compounded basis.

#### Metropolitan Water Reclamation District Retiree Health Care Trust A Component Unit of the Metropolitan Water Reclamation District of Greater Chicago

#### **INVESTMENT SECTION**

The Trust has maintained a money market fund account with the Illinois Funds, administered by the Illinois State Treasurer. According to the Trust, this account ended 2013 with a balance of \$10,006,231 compared with a balance of \$10,095,299 a year earlier.

Respectfully submitted,

Michael P. Paolucci Senior Consultant Segal Rogerscasey

Table 1 MWRD Retiree Health Care Trust Investment Portfolio Balances	
Beginning Balances	\$86.1 million
June, 2013 Contribution	\$20.0 million
Total Contributions During 2013	\$20.0 million
Interest & Dividends	\$1.7 million
Net Capital Appreciation	\$13.1 million
Ending Balance December 31, 2013	\$120.9 million
Time Weighted Return	16.29%

Table 2								
MWRD Retiree Health Care Trust								
Investment Schedule								
Time-Weighted Returns Calendar Year 2013								
	Ticker	1 Year Investment Return	1 Year Benchmark Return	3 Year Investment Return	3 Year Benchmark Return	Fund Inception Investment Return*	Fund Inception Benchmark Return*	Benchmark
Equity Funds								
Harbor International Institutional	HAINX	16.84%	22.78%	7.87%	8.17%	9.31%	9.37%	MSCI EAFE Free Index
Artisan International Inv	ARTIX	25.19%	22.78%	N/A	8.17%	29.00%**	29.03%	MSCI EAFE Free Index
Fidelity Contrafund	FCNTX	34.15%	33.48%	15.91%	16.45%	16.23%	16.29%	Russell 1000 Grow th Index
Invesco Equally-Wtd S&P 500	VADDX	35.68%	32.39%	N/A	16.18%	23.64%**	20.93%	Standard & Poor's 500 Index
American Funds Fundamental Invs F-2	FINFX	31.80%	32.39%	15.02%	16.18%	14.59%	15.42%	Standard & Poor's 500 Index
MFS Massachusetts Investors Tr I	ΜΙΤΙΧ	32.17%	32.39%	15.84%	16.18%	14.49%	15.42%	Standard & Poor's 500 Index
The Profit Fund	PVALX	31.86%	32.39%	15.90%	16.18%	13.94%	15.42%	Standard & Poor's 500 Index
Vanguard Small Cap Index Institutional	VSISX	37.79%	37.83%	16.57%	16.58%	17.77%	17.78%	CRSP U.S. Small Cap TR Index
Vanguard REIT Index	VGRSX	2.46%	1.86%	N/A	9.37%	3.47%**	2.99%	Wilshire US REIT INDEX
Total Equity Composite		30.32%	32.39%	13.73%	16.18%	14.04%	15.42%	Standard & Poor's 500 Index
Fixed Income Funds								
Dodge & Cox Income	DODIX	0.65%	-2.02%	4.41%	3.26%	4.82%	3.86%	Barclays U.S.Aggregate Bond
Payden Core Bond Fund	PYCBX	-1.45%	-2.02%	4.03%	3.26%	4.38%	3.86%	Barclays U.S.Aggregate Bond
PIMCO Total Return Institutional	PTTRX	-1.92%	-2.02%	4.08%	3.26%	4.79%	3.86%	Barclays U.S.Aggregate Bond
Total Fixed Income Composite		-3.16%	-2.02%	3.91%	3.26%	4.49%	3.86%	Barclays U.S.Aggregate Bond Index
<u>Cash</u>								
Dreyfus General Treasury Prime Money Market	GTBXX	0.02%	0.05%	0.05%	0.07%	0.07%	0.09%	91-Day US Treasury Bill
<u>Total Portfolio Time Weighted Return</u>		16.29%	16.41%	10.09%	9.83%	10.56%	10.09%	35.5% S&P 500 / 10% CRSP U.S. Small Cap TR / 15% MSCI EAFE / 34.5% Barclays US Aggregate / 5% Wilshire US RET

\*Partial returns are presented for funds due to mid-year inception date: 3/29/2010

\*\*Artisan International, Inception: 6/1/2012

Invesco Equally-Wtd, Inception: 5/1/2012

Vanguard REIT Index, Inception: 5/1/2012

#### Metropolitan Water Reclamation District Retiree Health Care Trust A Component Unit of the Metropolitan Water Reclamation District of Greater Chicago

#### **INVESTMENT SECTION**

Table 3 MWRD Retiree Health Care Trust Investment Schedule Time-Weighted Returns Calendar 2013	1 Year Composite Return	1 Year Benchmark Return	3 Year Composite Return	3 Year Benchmark Return	Inception Composite Return*	Inception Composite Return*	Benchmark
Equity Composites							
International Equity Composite	19.58%	22.78%	8.03%	8.17%	10.19%	8.37%	MSCI EAFE Free Index
Domestic Large Cap Composite	33.05%	32.39%	15.66%	16.18%	15.11%	15.42%	Standard & Poor's 500 Index
Domestic Small Cap Composite	37.79%	37.83%	14.99%	16.58%	15.64%	17.78%	CRSP U.S. Small Cap TR Index
Real Estate Composite	2.46%	1.86%	N/A	9.37%	3.47%**	2.99%	Wilshire US REIT Index
Total Equity Composite	30.32%	32.39%	13.73%	16.18%	14.04%	15.42%	Standard & Poor's 500 Index
Fixed Income Composite							
Total Fixed Income Composite	-3.16%	-2.02%	3.91%	3.26%	4.49%	3.86%	Barclays U.S.Aggregate Bond Index
Total Portfolio Time Weighted Return	16.29%	16.41%	10.09%	9.83%	10.56%	10.09%	35.5% S&P 500 / 10% CRSP U.S. Small Cap TR / 15% MSCI EAFE / 34.5% Barclays US Aggregate / 5% Wilshire US REIT

\*Partial Returns are presented for Composites due to mid-year inception date: 3/29/2010

\*\*Real Estate Composite, Inception: 5/1/2012

#### INVESTMENT AUTHORITY AND RESPONSIBILITY

As authorized under State Statute 70 ILCS 2605/9.6d, the Trust's investment function is managed by the District's Treasurer, with the District as Trustee for the Trust. Per the Trust agreement, the Trustee has total discretion and authority with regard to the investment of the assets of the Trust to which it holds title. The Trustee is authorized and empowered to delegate to the District Treasurer and other individuals as deemed appropriate, the following powers, rights and duties, each of which shall be subject to the approval of the Trustee:

- (a) To purchase and cause stocks, bonds, exchange-traded funds, open-ended mutual funds, or other investments to be registered in its name as Trustee or in the name of a nominee, or to take and keep the same unregistered;
- (b) To employ such agents, advisors and legal counsel as it deems advisable or proper in connection with its duties and to pay such agents, advisors and legal counsel a reasonable fee. The Trustee shall not be liable for the acts of such agents, advisors and legal counselor for the acts done in good faith and in reliance upon the advice of such agents, advisors and legal counsel, provided it has used reasonable care in selecting such agents, advisors and legal counsel;
- (c) To exercise where applicable and appropriate any rights of ownership in any contracts of insurance in which any part of the Trust may be invested and to pay the premiums thereon; and
- (d) To buy, sell, convey or transfer, invest and reinvest any part of each and every kind of investment listed above in Section (a).

#### OUTLINE OF INVESTMENT POLICIES

In accordance with state Statute 70 ILCS 2605/9.6d, "To the extent participants do not direct the investment of their own account, the assets of the OPEB Trusts shall be managed by the Treasurer of the District in any manner, subject only to the prudent investor standard and any requirements of applicable federal law. The limitations of any other statute affecting the investment of District funds shall not apply to the OPEB Trust. The trustee shall adopt an investment policy consistent with the standards articulated in Section 2.5 of the Public Funds Investment Act." The Investment Policy for the Trust was initially approved by the Board of Trustees on November 19, 2009 and subsequently revised on December 19, 2013.

#### INVESTMENT OBJECTIVES

The Trust, based on its overall purpose of supporting the long-term financial ability to fund retiree healthcare expenditures, is structured to provide competitive performance while minimizing the potential for losses. Accordingly, the Trust will have a balanced overall structure between equity and bond funds. The asset allocation targets for the Trust are as follows:

	Fu	Mix	
Asset Class	Minimum	Normal	Maximum
Equities & Other Variable Income Investments	40%	60%	75%
Fixed Income Securities (Bonds)	25%	39%	60%
Cash/Cash Equivalents (Money Market)	0%	1%	100%

The Trust's investment policy was revised on December 19, 2013 to allow for new asset allocation targets that are structured to provide competitive performance while minimizing the potential for losses. The Trust's investment portfolio will be rebalanced during fiscal year 2014 to comply with the revised allocation targets.

The initial investments for the Trust were held in cash and cash equivalents until the Investment Policy was approved and the initial asset allocation was completed in 2010.

A blended benchmark has been designated for evaluation of the performance of the Trust's investment account. Appropriate individual benchmarks are used for evaluation of underlying investments based on their respective investment style categories. The blended benchmark for evaluation of the trust account's performance is a mix of the S&P 500 Index (35.5%), CRSP U.S. Small Cap TR Index (10%), MSCI EAFE Index (15%), Barclay's U.S. Aggregate Bond Index (34.5%), and Wilshire US REIT Index (5%).

#### INVESTMENT ALLOCATION

Investment by the Trust is undertaken through an investment custodial account. Through December 31, 2013, the Trust has contributed a cumulative total of approximately \$83 million into the investment custodial account, all of which has been invested using purchase allocations targeting 60% to equities and 40% to fixed income investments. In addition, accumulated distributions from the Trust's investments were invested in accordance with the Trust's strategy. All investments are in open-ended mutual funds.

As of December 31, 2013 and 2012, the Trust's asset allocations at fair value are as follows:

	Actual Asset	Actual Asset	Target
Asset Class	Allocation 2013	Allocation 2012	Allocation
Domestic Equity	51%	50%	40%
International Equity	16%	16%	20%
Domestic Fixed Income	30%	32%	39%
Cash & Cash Equivalent	3%	2%	1%
Total	100%	100%	100%

The Trust had deposits awaiting investment of \$10,006,231 at December 31, 2013 and \$10,095,299 at December 31, 2012 in the Illinois Funds money market investment pool, as managed by the State of Illinois, Office of the Treasurer. Deposits at December 31, 2013 and 2012 were maintained as cash equivalents awaiting investment direction from the Executive Committee. The deposits on hand at Illinois Funds are therefore excluded from the above asset allocation percentages.

Cash dividends and capital gain distributions occurred primarily in December. Investment direction is to be provided by the Executive Committee in the new year.

#### INVESTMENT PERFORMANCE

The Investment Advisor evaluates mutual fund performance and reports to the Executive Committee individual fund performance as well as overall performance. Investment returns are calculated based on a time-weighted rate of return based upon market values and in compliance with industry-accepted reporting standards. Exchange-traded mutual funds report return net of investment fees.

The investment rate of return on invested assets for the year ending December 31, 2013, was 16.29%, compared to the Trust's Policy Index return of 16.41%.

The investment rate of return on invested assets for the year ending December 31, 2012, was 14.63%, compared to the Trust's Policy Index return of 11.26%.

#### **INVESTMENT ASSETS**

	December 3	1, 2013	December 31, 2012		
	Fair Value	Percent	Fair Value	Percent	
Equity Funds					
American Funds Fundamental Invs F-2	\$ 11,357,263	9.4%	\$ 7,703,298	9.0%	
Artisan International Fund	5,849,935	4.8%	3,968,732	4.6%	
Fidelity Contrafund	10,040,894	8.3%	6,624,117	7.7%	
Harbor International Institutional	11,328,815	9.4%	7,921,908	9.2%	
Invesco Equally-Weighted S&P 500	5,623,176	4.7%	3,743,384	4.4%	
MFS Massachusetts Investors Tr I	10,276,662	8.5%	6,739,758	7.8%	
The Profit Fund	2,738,286	2.3%	1,792,703	2.1%	
Vanguard REIT Index	4,763,143	3.9%	3,640,806	4.2%	
Vanguard Small Cap Index Institutional	11,768,961	9.8%	7,538,915	8.8%	
Total Equity Funds	73,747,135	61.1%	49,673,621	57.8%	
Fixed Income Funds					
Dodge & Cox Income	13,701,005	11.4%	5,657,363	6.6%	
Payden Core Bond Fund	2,430,676	2.0%	1,804,995	2.1%	
PIMCO Total Return Institutional	17,535,219	14.5%	8,337,655	9.7%	
Vanguard Inflation Protected Secs Instl	-	0.0%	8,280,741	9.6%	
Total Fixed Income Funds	33,666,900	27.9%	24,080,754	28.0%	
Illinois Funds Investment Pool	10,006,231	8.3%	10,095,299	11.7%	
Total Plan Assets at Fair Value	117,420,266	97.3%	83,849,674	97.5%	
Cash & Cash Equivalents	3,260,784	2.7%	2,150,290	2.5%	
Total Investments at Fair Value	\$ 120,681,050	100.0%	\$85,999,964	100.0%	

#### **INVESTMENT ANALYTICS**

#### History of Investment Yields at Fair Value

Years Ending December 31

	Invested	Yield at	<b>Trust's Policy</b>	
Year	Assets	Market	Index	Notes
2013	\$ 117,420,266	16.29%	16.41%	
2012	83,849,674	14.63%	11.26%	
2011	53,605,063	0.18%	4.90%	
2010	50,960,000	7.47%	7.88%	(1)
2009	47,902,573	0.29%	N/A	
2008	47,807,878	2.28%	N/A	
2007	25,024,760	4.52%	N/A	(2)

- (1) Reflects the portfolio performance from date of investment (March 29, 2010) through December 31, 2010.
- (2) Represents the 26-day period ended December 31, 2007 (year of inception).

#### **Schedule of Investment Returns**

			Three Years	Inception (3)
	Year Ended	Year Ended	Ended	Through
	12/31/2013 (1)	12/31/2012 (2)	12/31/2013	12/31/2013
Trust's Total Portfolio	16.29%	14.63%	10.09%	10.56%
Trust's Policy Index	16.41%	11.26%	9.83%	10.09%
(60% S&P 500 Index; 39% Barclay's	SUS Aggregate			
Bond Index; 1% 90-Day US Treasu	ry Bill)			
Trust's Equity Composite	30.32%	17.85%	13.73%	14.04%
S&P 500 Index	32.39%	16.00%	16.18%	15.42%
International Equity Composite	19.58%	20.46%	8.03%	10.19%
MSCI EAFE Free Index	22.78%	17.32%	8.17%	8.37%
Domestic Large Cap Composite	33.05%	17.49%	15.66%	15.11%
S&P 500 Index	32.39%	16.00%	16.18%	15.42%
Domestic Small Cap Composite	37.79%	13.71%	14.99%	15.64%
Russell 2000 Small Cap Index	37.83%	16.35%	16.58%	17.78%
Real Estate Composite	2.46%	3.32%*	N/A	3.47%
Wilshire US REIT Index	1.86%	3.11%*	9.37%	2.99%
Trust's Fixed Income Composite	-3.16%	8.49%	3.91%	4.49%
Barclay's U.S. Aggregate Bond Index	-2.02%	4.21%	3.26%	3.86%

\* Partial Year Returns are presented for Real Estate Composite due to Mid-Year Funding (Inception Date: 5/1/2012)

- (1) The increase in value of invested assets was 45.85% for the year ending December 31, 2013. The return on invested assets using the Modified Dietz approach was 16.29%. The disparity between the percentage return on investments and the increase in asset value reflects the impact and timing of \$20 million advance funding contributions made throughout the year.
- (2) The increase in value of invested assets was 38.25% for the year ending December 31, 2012. The return on invested assets using the Modified Dietz approach was 14.63%. The disparity between the percentage return on investments and the increase in asset value reflects the impact and timing of \$22.4 million advance funding contributions made throughout the year.
- (3) The inception date is March 29, 2010 which was when the Trust transferred assets to the investment custodial account.

# Summary Schedule of Investment FeesYears Ending December 3120132012Investment Consulting Fees\$42,000\$44,222Custodian Transaction Fees5751,115Total Investment Expenses\$42,575\$45,337

#### **ACTUARIAL CERTIFICATION**

We are pleased to present this report containing the results of the December 31, 2013 actuarial valuation of Metropolitan Water Reclamation District of Chicago's Postretirement Retiree Health Care Benefit Plan, pursuant to our engagement letter with Metropolitan Water Reclamation District of Chicago dated October 15, 2009.

Metropolitan Water Reclamation District of Chicago (MWRD) retained PricewaterhouseCoopers LLP ("PwC") to perform an actuarial valuation of its Retiree Health Care Benefit Plan ("the Plan") as of December 31, 2013. The purpose of this report is to present the results of the December 31, 2013 actuarial valuation of the Plan. These results are applicable to MWRD's fiscal year ending December 31, 2013. Successive valuations will be performed every two years. We have prepared the valuation for the purposes of calculating the necessary information for accounting and reporting requirements in accordance with Government Accounting Standards Board Statement No. 43 (GASB 43). This valuation has been conducted in accordance with the required Actuarial Standards of Practice as issued by the American Academy of Actuaries.

Actuarial calculations under GASB 43 are for purposes of fulfilling MWRD's financial accounting requirements. The calculations reported herein have been made on a basis consistent with our understanding of GASB 43.

This report shows detailed summaries of the financial results of the valuation and membership data used in preparing this valuation. The actuaries prepared supporting schedules are included in the Actuarial and Statistical Sections of the MWRD Comprehensive Annual Financial Report (CAFR). The actuary prepared the trend data schedules to be included in the Financial Section of the MWRD CAFR. These schedules include:

- Annual OPEB Cost and Net OPEB Obligation
- Funding Status and Progress
- Schedule of Employer Contributions
- Schedule of Active Member Valuation Data
- Reconciliation of Change in Unfunded Liability
- Summary of Membership Data
- Schedule of Retirees and Beneficiaries Added to and Removed from the Rolls

In preparing the results presented in this report, we have relied upon information MWRD provided to us regarding plan provisions, plan participants, claims and premium data, unaudited plan assets and benefit payments. The census data, claims data and plan asset information used in calculating the results herein were collected as of December 31, 2013 for active members, retirees, survivors and dependents. While the scope of our engagement did not call for us to perform an audit or independent verification of this information, we have reviewed this information for reasonableness. The accuracy of the results presented in this report is dependent upon the accuracy and completeness of the underlying information.

GASB 43 requires that each significant assumption reflect the client's best estimate of the Plan's future experience solely with respect to that assumption. MWRD has determined and taken responsibility for the actuarial assumptions and the accounting policies and methods employed in the valuation of obligations and costs under GASB 43.

A range of results, different from those presented in this report could be considered reasonable. Future actuarial measurements may differ significantly from the current measurement presented in this report due to a number of factors including but not limited to: plan experience differing from that anticipated by the economic and demographic assumptions, increases or decreases expected as part of the natural operation of the methods used for these measurements (such as the end of an amortization period or additional cost or contribution requirements based on the plan's funded status), rounding conventions and changes in plan provisions or applicable law. Due to the limited scope of this report, an analysis of the potential range of such future measurements has not been performed.

This report was prepared for the internal use of MWRD in connection with our actuarial valuation of the Plan for the purpose noted above and not for reliance by any other person. PwC disclaims any contractual or other responsibility or duty of care to others based upon the services or deliverables provided in connection with this report.

#### Metropolitan Water Reclamation District Retiree Health Care Trust A Component Unit of the Metropolitan Water Reclamation District of Greater Chicago

#### **ACTUARIAL SECTION**

This report does not purport to comply with any other purposes not stated herein. Significantly different results from what is presented in this report may be needed for other purposes.

This document was not intended or written to be used, and it cannot be used, for the purpose of avoiding U.S. federal, state or local tax penalties. This includes penalties that may apply if the transaction that is the subject of this document is found to lack economic substance or fails to satisfy any other similar rule of law.

The undersigned actuaries are members of the Society of Actuaries and the American Academy of Actuaries and meet the "Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States" relating to postretirement medical and life insurance plans. To the best of our knowledge, the individuals involved in this engagement have no relationship that may impair, or appear to impair, the objectivity of our work.

We appreciate this opportunity to be of service to MWRD. We are available to answer any questions with respect to our report.

Respectfully submitted,

PRICEWATERHOUSECOOPERS LLP

John a show

Jack Abraham Fellow of the Society of Actuaries Enrolled Actuary Member of the American Academy of Actuaries

March 27, 2014

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Jill Stockard Fellow of the Society of Actuaries Member of the American Academy of Actuaries

#### INTRODUCTION

Biennially, the Trust's actuary will prepare a valuation of the liabilities and reserves of the Trust in order to make a determination of the amount of contributions required from the District. These results are then communicated to the District's Board of Commissioners ("BOC"). The BOC, in turn, has the duty of determining the employer contribution amount it intends to pay to the Trust the following fiscal year.

The information included in this report is based on the actuarial valuation performed December 31, 2013. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2015.

The Board of Commissioners of the District has discretionary authority to determine contribution amounts to be paid into the OPEB Trust Fund. The OPEB Funding Policy includes a target funded ratio of 50% with an expected funding period of 50 years (beginning in 2007), with \$50,000,000 to be contributed by the end of 2011. Through December 31, 2013, \$92,400,000 has been contributed by the District to the OPEB Trust Fund and the OPEB Funding Policy goal of funding \$10,000,000 in each of the first five years (beginning in 2007) for an aggregate of \$50,000,000 by the end of 2011 was met. In succeeding fiscal years the Trust will receive the District (employer) contributions as determined by the BOC. There is currently no legal requirement for the District to partially or fully fund the Trust and any funding is on a voluntary basis.

Although voluntary in nature, the District intends to accumulate resources sufficient to ease the burden of administering the District's postemployment health care plan. For fiscal years 2013 and 2012, the District funded 256.1% and 129.9%, respectively, of the actuarially determined employer contribution requirement.

#### SUMMARY OF ACTUARIAL ASSUMPTIONS, METHODS, AND DATA

The Trust was established in 2007 and the first actuarial valuation was performed as of January 1, 2007. The actuarial assumptions were recommended by the actuary and have been adopted by the Executive Committee of the OPEB Trust. The actuarial cost method used for this valuation is the Projected Unit Credit method. Under this method, the benefits expected to be paid to each participant are projected based on the applicable actuarial assumptions. The projected benefits are then divided on a pro-rata basis over the applicable years of service. For purposes of this cost method, the applicable years of service commence at the age at which the funding eligibility conditions are first met. The applicable years of service extend to the date each particular projected benefit is expected to be incurred, or if earlier, the date at which the credited service requirements for each particular benefit are satisfied.

Each year the unfunded actuarial accrued liability is expected to be equal to the sum of the unfunded actuarial accrued liability and normal cost from the prior year, plus interest, less the accumulated value of employer contributions made. The extent to which this expected value differs from the actual value of the unfunded actuarial accrued liability reflects the actuarial experience for the plan year. If the expected value exceeds the actual value, an actuarial gain has occurred. Conversely, if the actual value exceeds the expected value then an actuarial loss has occurred. The unfunded actuarial accrued liability is further modified only for changes in plan provisions, actuarial assumptions or methods. Actuarial gains or losses or changes in the unfunded actuarial liability due to changes in plan provisions, actuarial assumptions or methods are amortized over time. Actuarial gains (losses) will decrease (increase) future costs.

Dates of adoption: The Projected Unit Credit normal cost method and all other actuarial assumptions were adopted January 1, 2007. The mortality table used for post-retirement mortality was the "Unisex Pension 1994 Mortality Table" (set back one year for males and set forward one year for females).

The following outlines the changes since the prior valuation:

- The assumed distribution of future benefit recipients among the individual health plans has been revised based on actual 2013 retiree elections.
- The per capita claims costs have been updated based on premiums in effect as of July 1, 2013 and historical claims data.
- Effective January 1, 2014, the District offered a Prescription Drug Plan ("PDP") through Envision. Envision will receive a subsidy directly from the Centers for Medicare and Medicaid Services ("CMS") and this amount will pass through to the District. The District will no longer receive the RDS Medicare Part D Subsidy.
- The valuation includes the costs of the temporary reinsurance fees and the Patient Centered Outcomes Research Institute ("PCORI") fees as required under the Patient Protection and Affordable Care Act ("PPACA") signed into law on March 23, 2010.
- The December 31, 2013 valuation reflects the impact of the 40% excise tax on high cost plans as a result of the PPACA signed into law on March 23, 2010.

Below are the most significant actuarial assumptions:

Valuation date	December 31, 2013
Actuarial cost method	Projected Unit
	Credit
Amortization method	Level percent of payroll
	Open
Amortization period	30 Years
Asset valuation method	Fair Value
Actuarial assumptions:	
Discount Rate	7.0%
Inflation Rate	3.0%
Health Care Cost Trend Ra	ate 7.3% Initial
	5.0% Ultimate (Year 2018)
Annual Payroll Growth Rate	9 3.6%
Disability	None
Age of Spouse	Husbands are assumed to be 3 years older than their wives.
Coverage at	90% of future eligible service retirees are assumed to elect coverage at retirement. 76% of active employees are assumed to have single plus spouse coverage at retirement.
Dependent children	No children are assumed to be covered at retirement.
Medicare eligibility	100% of members are assumed to enroll in Medicare if eligible and hired on or after April 1, 1986. 93% of members are assumed to enroll in Medicare if eligible and hired prior to April 1, 1986.

#### Summary of Participant Information

All employees of the District, with at least 10 years of service, are eligible to receive postretirement medical benefits. The participant data detailed in the following table and used in the actuarial valuations includes all employees that are eligible or may become eligible to receive post-retirement benefits and currently elect medical coverage.

The following table is based on eligibility for post-retirement medical benefits:

	Total*
Active participants Eligible for postretirement benefits	528
Not yet eligible for postretirement benefits	1,347
Total	1,875
Retirees, Survivors, and Dependents	
Retirees and Survivors	1,964
Dependent Spouses	844
Total	2,808
Total participants	4,683
Active participant characteristics	
Average age	50.0
Average past service	14.1
Average age of inactive participants	72.1

\*Participant data determined as of December 31, 2013.

Retirees and their dependents that fulfill the eligibility requirements can receive post-retirement medical and prescription drug coverage. Retirees and their dependents are eligible at the earlier of: (a) age 55 and 10 years of service, or (b) age + service greater than or equal to 80. Benefits commence at retirement, provided the eligibility requirements are fulfilled and the coverage is lifetime for retirees and their spouses.

#### **Retiree Annual Contributions:**

The following annual retiree contribution rates are effective July 1, 2013 through June 30, 2014:

	НМО				PPO				
	W	Without		With	Without			With	
<u>All Retirees</u>	<u>Me</u>	<u>Medicare</u>		<u>Medicare</u>		<u>Medicare</u>		<u>Medicare</u>	
Benefit Recipient:									
Pre-65	\$	2,567	\$	2,567	\$	3,890	\$	3,890	
Post-65		2,567		1,994		3,890		1,698	
Dependent Spouses:									
Pre-65		2,244		2,244		3,890		3,890	
Post-65		2,244		1,994		3,890		1,698	

#### Withdrawal Rates

Employees are assumed to terminate based on age, entry age, and gender. The following tables summarize these rates:

<u>Males</u>	Entry Age									
Age	16-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+	
20	10.6 %	-	-	-	-	-	-	-	-	
25	8.0	7.7 %	-	-	-	-	-	-	-	
30	4.2	5.8	6.1 %	-	-	-	-	-	-	
35	1.9	3.3	4.3	5.6 %	-	-	-	-	-	
40	0.7	1.6	2.3	4.0	5.4 %	-	-	-	-	
45	0.2	0.6	1.3	2.1	3.7	4.8 %	-	-	-	
50	-	0.2	0.4	0.6	1.0	3.5	5.4 %	-	-	
55	-	-	-	-	-	1.1	3.4	3.2 %	-	
60	-	-	-	-	-	-	0.8	1.3	2.2 %	
65	-	-	-	-	-	-	-	-	0.9	
67	-	-	-	-	-	-	-	-	-	

<u>Female</u>	Entry Age									
Age	16-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60+	
20	10.6 %	-	-	-	-	-	-	-	-	
25	8.8	8.3 %	-	-	-	-	-	-	-	
30	5.8	6.0	5.8 %	-	-	-	-	-	-	
35	3.1	3.1	4.4	4.2 %	-	-	-	-	-	
40	1.4	1.6	2.6	3.4	3.2 %	-	-	-	-	
45	0.5	0.7	1.5	2.1	2.2	2.0 %	-	-	-	
50	0.2	0.2	0.5	0.6	0.6	1.8	2.2 %	-	-	
55	-	-	-	-	-	0.6	1.7	2.2 %	-	
60	-	-	-	-	-	-	0.6	0.9	1.9 %	
65	-	-	-	-	-	-	-	-	0.8	
67	-	-	-	-	-	-	-	-	-	

#### **Retirement Rates**

Employees are assumed to retire according to the following illustrative schedule:

Age	Rate	Age	Rate
49	- %	60	15.4 %
50	5.6	61	12.6
51	6.3	62	15.4
52	7.0	63	14.0
53	7.7	64	14.0
54	8.4	65	21.0
55	9.1	66	21.0
56	9.8	67	21.0
57	10.5	68	21.0
58	11.2	69	21.0
59	11.9	70	100.0

#### Annual Per Capita Claims

The claims tables for the 2013 valuation have been developed by calculating the weighted average of the 2013 premium rates based on the current enrollment data. These weighed average rates are subsequently expanded to an age-based table using the actuary's proprietary cost curve. The following table summarizes the assumed per capita claims (medical and prescription drugs) at illustrative ages.

	H	NO	PPO			
	With	Without	With	Without		
<u>Age</u>	<u>Medicare</u>	<u>Medicare</u>	<u>Medicare</u>	<u>Medicare</u>		
40	\$ 2,790	\$ 2,790	\$ 4,002	\$ 4,002		
45	3,624	3,624	5,285	5,285		
50	4,925	4,925	7,304	7,304		
55	6,479	6,479	9,737	9,737		
60	8,050	8,050	12,210	12,210		
64	9,192	9,192	14,003	14,003		
65	5,396	8,443	4,674	11,943		
70	5,918	10,141	5,415	14,315		
75	6,360	11,684	5,415	16,481		
80	6,599	12,746	5,581	17,983		
85	6,586	13,109	5,538	18,515		
90	6,303	12,687	5,269	17,954		
95	5,754	11,458	4,779	16,268		

#### Annual Medical Trend Assumptions

Trend rates are used to project current medical claim costs into the future. The derived medical trend rates illustrated below are based on a general per capita gross national product (GNP) growth assumption of 5% and capping the medical component of the GNP at approximately 20% of total GNP.

Year	Trend
2014	7.3 %
2015	6.7
2016	6.1
2017	5.5
2018 and later	5.0

#### ANALYSIS OF FUNDING

Reconciliation of the Change in Unfunded Liability

(in thousands)	
Unfunded liability as of December 31, 2011	\$339,680
Expected unfunded liability as of December 31, 2013	\$314,214
Decrease in unfunded liability due to investment return greater than expected	(13,950)
Decrease in unfunded liability due to changes in census	(10,187)
Decrease in unfunded liability due to net claims lower than expected <sup>1</sup>	(134,606)
Decrease in unfunded liability due to implementation of EGWP prescription	
drug program effective January 1, 2014 <sup>2</sup>	(15,990)
Net decrease in unfunded liability	(174,733)
Unfunded liability as of December 31, 2013	\$139,481

<sup>1</sup>The per capita costs assumptions were lowered to reflect recent claims experience.

<sup>2</sup>Effective January 1, 2014, the District has offered a PDP (Prescription Drug Plan) EGWP (Employer Group Waiver Plan) through Envision. Envision will receive a subsidy directly from the Centers for Medicare and Medicaid Services (CMS) which will pass through to the District.

Note: Actuarial valuations are required to be completed every two years. The most recent actuarial valuation was as of December 31, 2013.

#### Annual OPEB Cost and Net OPEB Obligation

The Net OPEB Obligation is the cumulative difference between the annual OPEB cost and the employer's contributions. The Net OPEB Obligation recorded on the District's financial statement as of December 31, 2013, is calculated as follows (amounts in thousands):

Annual Required Contribution for 2013	\$ 13,212
Interest on Net OPEB Obligation	4,860
Adjustment to Annual Required Contribution	(3,804)
Annual OPEB Cost	14,268
Contributions Made	(33,835)
Decrease in Net OPEB Obligation	(19,567)
Net OPEB Obligation Beginning of Year	69,425
Net OPEB Obligation End of Year	\$49,858

#### Solvency Test

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	ued Unfunded ility (Overfunde AL) AAL (UAA		Funded Ratio (a/b)
12/31/2013	\$120,883	\$ 260,364	\$	139,481	46.43%
12/31/2011	54,996	394,676		339,680	13.93%
12/31/2009	47,891	526,476		478,585	9.10%
1/1/2007	25,025	442,683		417,658	5.65%

#### HISTORICAL VALUATION DATA

#### Schedule of Active Member Valuation Data

Actuarial Valuation Date	12/3	81/2013	12/3	81/2011	12/3	31/2009	1/1	1/2007
Members in Service		1,875		1,893		2,095		1,964
% Change		-1.00%		-9.60%		6.70%		-
Covered Payroll	\$164	4,005,092	\$16	2,853,163	\$17	0,392,445	\$15	8,831,772
% Change		0.70%		-4.40%		7.30%		-
Average Salary	\$	87,469	\$	86,029	\$	81,333	\$	80,872
% Change		1.67%		5.80%		0.60%		-
Payroll Growth Assumption		3.60%		3.60%		3.60%		-

#### Schedule of Retirees and Beneficiaries Added to and Removed from Rolls

Actuarial Valuation Date	12/31/	2013	12	2/31/2011	12	2/31/2009	1	/1/2007
Beginning of Year Balance		1,977		1,900		1,873		1,850
Number Added to Rolls		118		221		183		150
Benefit Cost	\$ 1,2	04,780	\$	2,302,378	\$	1,810,968	\$	1,294,050
Number Removed from Rolls		131		144		156		127
Benefit Cost	\$ 1,3	37,510	\$	1,500,192	\$	1,543,776	\$	1,095,629
End of Year Balance		1,964		1,977		1,900		1,873
Health Care Annual Benefit	\$ 20,0	52,657	\$ 2	20,596,842	\$	18,802,036	\$	16,159,127
Average Annual Benefit	\$	10,210	\$	10,418	\$	9,896	\$	8,627
Increase in Average Benefit		-2.00%		5.30%		14.70%		-

#### DESCRIPTION OF THE STATISTICAL SCHEDULES

This part of the Trust's CAFR presents detailed information as a context for understanding what the information in the financial statements, notes disclosures, and the required supplementary information indicate about the Trust's overall financial health.

#### **Demographics Information**

Schedules contain Participant information to assist the readers of the financial statements in understanding the demographics of the Plan participants.

#### Financial Trends

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These schedules contain trend information to assist the readers in understanding how the Trust's financial position, investment performance, revenues, and expenses have changed over time.

Sources: Unless otherwise noted, the information in these schedules is derived from the CAFR for the relevant years.

#### **MEMBERSHIP STATISTICS**

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All employees of the District are eligible to receive post employment health care benefits. The same benefit is available to all participants. The participant data detailed in the following table includes all employees that are eligible or may become eligible to receive benefits and currently elect medical coverage.

Active	Members					
Act	uarial		Not Yet	Retirees and		% Active to
Valuat	tion Date	Eligible	Eligible	Beneficiaries	Total	Retirees
12/3	1/2013	528	1,347	1,964	3,839	95%
12/3	1/2011	479	1,414	1,977	3,870	96%
12/3	1/2009	493	1,602	1,900	3,995	110%
1/1	/2007	685	1,279	1,873	3,837	105%

#### **Retirees and Beneficiaries**

Actuarial		Surviving		
Valuation Date	Employee	Spouse	Child	Total
12/31/2013	1,480	484	0	1,964
12/31/2011	1,471	506	0	1,977
12/31/2009	1,382	518	0	1,900
1/1/2007	1,346	526	1	1,873

Note: An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2015.

## STATEMENTS OF CHANGES IN PLAN NET POSITION Last Seven Years

	Year Ended 2013	Year Ended 2012	Year Ended 2011	Year Ended 2010	Year Ended 2009
Additions:					
Contributions by Employer	\$ 33,834,831	\$ 35,426,215	\$ 18,020,374	\$ 15,516,965	\$ 14,591,543
Contributions by Retirees	6,217,826	5,821,019	5,576,468	4,596,887	4,210,493
Total Contributions	40,052,657	41,247,234	23,596,842	20,113,852	18,802,036
Net Appreciation (Depreciation)					
in Fair Value of Investments	13,146,950	7,200,445	(1,465,010)	3,540,803	-
Interest and Dividends	1,715,664	1,586,602	1,383,304	797,212	158,828
Total Investment Return	14,862,614	8,787,047	(81,706)	4,338,015	158,828
Less Investment Expenses	(42,575)	(45,337)	(45,608)	(46,109)	(45,333)
Net Investment Income (Loss)	14,820,039	8,741,710	(127,314)	4,291,906	113,495
Total Additions	54,872,696	49,988,944	23,469,528	24,405,758	18,915,531
Deductions:					
Retiree Health Care Benefits	20,052,657	18,847,234	20,596,842	20,113,852	18,802,036
Administrative Expenses	38,530	36,068	29,833	29,795	18,720
Total Deductions	20,091,187	18,883,302	20,626,675	20,143,647	18,820,756
Net Increase in Plan Net Position	34,781,509	31,105,642	2,842,853	4,262,111	94,775
Net Position Held in Trust for OPEB					
January 1	86,101,926	54,996,284	52,153,431	47,891,320	47,796,545
December 31	\$120,883,435	\$ 86,101,926	\$ 54,996,284	\$ 52,153,431	\$ 47,891,320

## STATEMENTS OF CHANGES IN PLAN NET POSITION (Continued) Last Seven Years

	Year Ended 2008	Year Ended 2007 (1)
Additions:		
Contributions by Employer	\$ 35,819,281	\$ 37,333,865
Contributions by Retirees	3,727,752	3,825,262
Total Contributions	39,547,033	41,159,127
Net Appreciation (Depreciation)		
in Fair Value of Investments	-	-
Interest and Dividends	801,118	24,760
Total Investment Return	801,118	24,760
Less Investment Expenses	(11,333)	-
Net Investment Income (Loss)	789,785	24,760
Total Additions	40,336,818	41,183,887
Deductions:		
Retiree Health Care Benefits	17,547,033	16,159,127
Administrative Expenses	18,000	-
Total Deductions	17,565,033	16,159,127
Net Increase in Plan Net Position	22,771,785	25,024,760
Net Position Held in Trust for OPEB		
January 1	25,024,760	-
December 31	\$ 47,796,545	\$ 25,024,760

(1) Represents the 26-day period ended December 31, 2007 (year of inception)

Year Ended	Employer Contributions	Retiree Contributions	Investment Income (Loss)	Total Additions	
2013	\$ 33,834,831	\$ 6,217,826	\$ 14,820,039	\$ 54,872,696	
2012	35,426,215	5,821,019	8,741,710	49,988,944	
2011	18,020,374	5,576,468	(127,314)	23,469,528	
2010	15,516,965	4,596,887	4,291,906	24,405,758	
2009	14,591,543	4,210,493	113,495	18,915,531	
2008	35,819,281	3,727,752	789,785	40,336,818	
2007	37,333,865	3,825,262	24,760	41,183,887	

#### SCHEDULE OF REVENUES BY SOURCE

### SCHEDULE OF RETURN ON INVESTMENTS

Year Ended	Year-End Investment Balance	Annual Rate of Return	_
2013	\$117,420,266	16.29%	
2012	83,849,674	14.63%	
2011	53,605,063	0.18%	
2010	50,960,000	7.47%	(1)
2009	47,902,573	0.29%	
2008	47,807,878	2.28%	
2007	25,024,760	4.52%	

(1) Reflects the portfolio performance from date of investment (March 29, 2010) through December 31, 2010.

#### SCHEDULE OF EMPLOYER CONTRIBUTIONS

		Actual					
Year Ended	Annual Required Contribution	Benefit Payments	Retiree (2) Contributions (2)	Contribution to Trust	Total		
2013	\$ 13,211,937	\$ 20,052,657	\$ (6,217,826)	\$ 20,000,000	\$ 33,834,831		
2012	27,263,684	18,847,234	(5,821,019)	22,400,000	35,426,215		
2011	27,263,684	20,596,842	(5,576,468)	3,000,000	18,020,374		
2010	39,847,021	20,113,852	(4,596,887)	-	15,516,965		
2009	39,847,021	18,802,036	(4,210,493)	-	14,591,543		
2008	44,739,006	17,547,033	(3,727,752)	22,000,000	35,819,281		
2007	44,739,006	16,159,127	(3,825,262)	25,000,000	37,333,865		

(2) Net benefit payments are paid directly by the District. Amounts are not paid through the Trust. The Plan pays a single benefit level and type: post-retirement medical and prescription drug coverage. No dental, life, disability, or child coverage is provided by the Plan.

Percentage of Annual Required Contribution (ARC) Contributed by Employer:

Year	Percent			
Ended	<b>Contributed</b>			
2013	256.1%			
2012	129.9%			
2011	66.1%			
2010	38.9%			
2009	36.6%			
2008	80.1%			
2007	83.4%			

#### **HISTORY OF BENEFIT PAYMENTS**

Year Ended	Number of Retirees & Beneficiaries	tiree Benefit Payments	Average Annual Benefit	Мc	Average Monthly Benefit	
2013	1,964	\$ 20,052,657	\$10,210	\$	851	
2012	1,977	18,847,234	9,533		794	
2011	1,977	20,596,842	10,418		868	
2010	1,900	20,113,852	10,586		882	
2009	1,900	18,802,036	9,896		825	
2008	1,873	17,547,033	9,368		781	
2007	1,873	16,159,127	8,627		719	

#### SCHEDULE OF EXPENSES BY TYPE

Year Ended		Investment Advisor Fee		External Audit Fee		Fiduciary Insurance		Custodian Transaction Fees		Total Expenses	
2013		\$	42,000	\$	27,200	\$	11,330	\$	575	\$ 81,105	
2012			44,222		26,100		9,968		1,115	81,405	
2011			45,333		21,000		8,833		275	75,441	
2010			45,333		19,815		9,980		776	75,904	
2009			45,333		18,720		-		-	64,053	
2008			11,333		18,000		-		-	29,333	
2007	(3)		-		-		-		-	-	

(3) No expenses were incurred in the period December 6-31, 2007.