# 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, 2012

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

MARY ANN BOYLE, TREASURER

TRUST ESTABLISHED DECEMBER 6, 2007

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# Certificate of Achievement for Excellence in Financial Reporting

Presented to

# Metropolitan Water Reclamation District Retiree Health Care Trust Illinois

For its Comprehensive Annual Financial Report for the Fiscal Year Ended December 31, 2011

A Certificate of Achievement for Excellence in Financial Reporting is presented by the Government Finance Officers Association of the United States and Canada to government units and public employee retirement systems whose comprehensive annual financial reports (CAFRs) achieve the highest standards in government accounting and financial reporting.

President

**Executive Director** 

# Metropolitan Water Reclamation District Retiree Health Care Trust

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

May 6, 2013

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, 2012. 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: 50% Funding Period: 50 years

Funding Amount: \$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, 2012, \$72,400,000 has been contributed by the District to the OPEB Trust Fund. 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 2012 was \$22,400,000 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 \$339,680,000 as of December 31, 2011, 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 2012, the District funded 129.9% of the actuarially determined annual required contribution requirement. The funded ratio was 13.9% at December 31, 2011, 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 approved by the Board of Trustees on November 19, 2009.

The Trust reported a total investment return of \$8,787,047 for 2012, yielding 14.6%. In 2011 the Trust reported a total investment loss of \$81,706.

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 \$395 million as of December 31, 2011, 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 2030 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, 2011. 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 five 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, 2012.

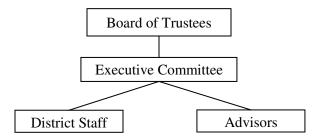
Respectfully submitted,

Mary Ann Boyle, Treasurer

Mary Can Dorfe

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.

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

#### **EXECUTIVE COMMITTEE**

Cynthia M. Santos, Chairman of Finance Mary Ann Boyle, Treasurer of the District Jacqueline Torres, Clerk/Director of Finance

#### **NOTE: EFFECTIVE JANUARY 3, 2013:**

Honorable Kathleen Therese Meany, President Honorable Barbara J. McGowan, Vice President Honorable Mariyana T. Spyropoulos, Chairman, Committee on 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: Deloitte Consulting LLP for report of January 1, 2007; PriceWaterhouseCoopers, LLP, for reports of December 31, 2009 and December 31, 2011. Investment Advisor: International City Management Association – Retirement Corporation (ICMA-RC) for reports of December 31, 2010 and December 31, 2011; Segal Advisors, Inc. d/b/a Segal Rogerscasey for report of December 31, 2012 (see further detail in the summary schedule of investment fees on page 20).





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#### 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, 2012, 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, 2011 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, 2012, 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 themselves, 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

Baker Telly Virolam Krause LLP

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.

Madison, Wisconsin May 6, 2013

#### FINANCIAL SECTION

Management's Discussion and Analysis (Unaudited)
Year Ended December 31, 2012 (With comparative amounts for prior period)

#### 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, 2012 and 2011, 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, 2012, the plan net position increased to \$86,101,926 from \$54,996,284 at December 31, 2011.

#### FINANCIAL SECTION

Management's Discussion and Analysis (Unaudited)
Year Ended December 31, 2012 (With comparative amounts for prior period)

#### 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:							
	2012 2011 Change						
Assets							
Cash and Cash Equivalents	\$ 2,150,290	\$ 1,379,770	\$ 770,520	55.8%			
Investments at Fair Value	83,849,674	53,605,063	30,244,611	56.4%			
Accrued Interest Receivable	115,962	22,784	93,178	409.0%			
Total Assets	86,115,926	55,007,617	31,108,309	56.6%			
Liabilities							
Accounts Payable	14,000	11,333	2,667	23.5%			
Total Liabilities	14,000	11,333	2,667	23.5%			
Plan Net Position Held In Trust for OPEB	\$ 86,101,926	\$54,996,284	\$31,105,642	56.6%			

In 2012, the increase in plan net position resulted primarily from the Employer's contribution to the Trust of \$22.4 million as well as investment earnings for the year. The Trust's time-weighted investment rate of return was 14.63% for 2012.

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

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

	Year Ended	Year Ended		Percent
	2012	2011	Change	Change
Additions:				_
Contributions by Employer	\$35,426,215	\$18,020,374	\$ 17,405,841	96.6%
Contributions by Retirees	5,821,019	5,576,468	244,551	4.4%
Total Contributions	41,247,234	23,596,842	17,650,392	74.8%
Net Appreciation (Depreciation) in Fair				_
Value of Investments	7,200,445	(1,465,010)	8,665,455	591.5%
Interest and Dividends	1,586,602	1,383,304	203,298	14.7%
Total Investment Return (Loss)	8,787,047	(81,706)	8,868,753	10,854.5%
Less Investment Expenses	(45,337)	(45,608)	271	0.6%
Net Investment Income (Loss)	8,741,710	(127,314)	8,869,024	6,966.3%
Total Additions	49,988,944	23,469,528	26,519,416	113.0%
Deductions:				
Retiree Health Care Benefits	18,847,234	20,596,842	(1,749,608)	-8.5%
Administrative Expenses	36,068	29,833	6,235	20.9%
Total Deductions	18,883,302	20,626,675	(1,743,373)	-8.5%
Net Increase in Net Position	31,105,642	2,842,853	28,262,789	994.2%
Net Position				
Beginning of year	54,996,284	52,153,431	2,842,853	5.5%
End of year	\$86,101,926	\$54,996,284	\$31,105,642	56.6%

#### FINANCIAL SECTION

Management's Discussion and Analysis (Unaudited)
Year Ended December 31, 2012 (With comparative amounts for prior period)

#### **Additions**

Additions are accumulated through employer and retiree contributions, and returns are provided by invested assets. Total additions for 2012 were \$50.0 million compared to \$23.5 million in 2011, an increase of \$26.5 million or 113%. Employer and retiree contributions were \$41.2 million for 2012, representing an increase of \$17.7 million or 75%. Advance funding contributions of \$22.4 million were made by the District in 2012, which was greater than the advance funding contributions of \$3 million made in 2011. Through December 31, 2012, a total of \$72.4 million has been contributed to the Trust, which exceeds the District's cumulative advance funding goal as provided by the District's funding policy. The 2012 net investment income of \$8.7 million was due to the net appreciation in fair value of investments of \$7.2 million dividends earned on mutual fund investments of \$1.6 million. Net investment income (loss) is a combination of interest and dividend income, and gains and losses on investments held at year-end. The strong investment return for 2012 reflected a 17.9% return on equity investments, along with an 8.5% return on fixed income investments. The large positive return on equities reflected a "risk-on" market environment. As economic conditions improved throughout the year and corporate balance sheets continued to strengthen, investors' appetite for riskier assets amplified, thus benefiting the broad market. Additionally, concerns regarding the European economic recovery subsided as widespread government stimulus took hold. The majority of the robust equity performance largely occurred in the first quarter of 2012 and led to gains across all equity categories. The strength in fixed income returns reflected a combination of continuing reassurance from the Federal Reserve that interest rates would remain low for a protracted period, perhaps extending into 2015, along with active intervention in the fixed income markets by the Federal Reserve to force long term rates lower. Investment income is shown net of fees charged by the investment advisor and transaction fees charged by the investment custodian.

#### **Deductions**

The expenses paid by the Trust are retiree health care benefit payments and administrative expenses. Total deductions for 2012 were \$18.9 million compared to \$20.6 million in 2011, a decrease of \$1.7 million or 8.5%. Benefit payments decreased 8.5% from 2011, due to lower claims experience in 2012. Total administrative expenses represent the cost of fiduciary insurance for the Trustee, along with external audit fees.

#### **Return on Investments and Asset Allocation**

Comparative investment returns by asset allocation are as follows:

			2012	2011
	2012	2011	Time-Weighted	Time-Weighted
	Percent of	Percent of	Investment	Investment
Asset Class	Investments	Investments	Return	Return
Equity Mutual Funds	66%	58%	17.85%	-4.18%
Domestic Fixed Income				
Mutual Funds	32%	39%	8.49%	7.68%
Cash & Cash Equivalents	2%	3%	0.01%	0.01%
Total	100%	100%	14.63%	0.18%

#### FINANCIAL SECTION

Management's Discussion and Analysis (Unaudited)
Year Ended December 31, 2012 (With comparative amounts for prior period)

At December 31, 2012, the Trust had deposits awaiting investment of \$10,095,299 in the Illinois Funds money market investment pool, as managed by the State of Illinois, Office of the Treasurer. This amount is mainly comprised of an advance funding contribution of \$10,000,000 made by the District in late December, 2012. Due to the timing of the advance funding contribution, the balance in the Illinois Funds investment pool was not transferred into the investment custodial account, and is therefore excluded from the above asset allocation percentages.

The increase in value of the Trust's invested assets was 38.3%. The return on invested assets for 2012 using the Modified Dietz time-weighted approach was 14.6%, 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 \$22.4 million advance funding contributions made during 2012.

#### **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, 2011, was 13.9%, an increase from 9.1% as of December 31, 2009, 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 \$27.3 million for 2012 and 2011. The actual contribution for 2012 and 2011 was 130% and 66% of the ARC, respectively. Details about both of these indicators are found in the Statistical section of the CAFR.

#### **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 13.9% at December 31, 2011, the date of the most recent actuarial valuation. The schedule presents information for the three previous actuarial valuation dates.

#### FINANCIAL SECTION

Management's Discussion and Analysis (Unaudited)
Year Ended December 31, 2012 (With comparative amounts for prior period)

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 130% of the actuarial required contribution for 2012. The Schedule of Employer Contributions presents information from the last six years.

The Actuarial Assumptions presented were determined as part of the actuarial valuation at December 31, 2011. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2013.

#### 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 Year Ended December 31, 2012

# FINANCIAL STATEMENTS Statement of Plan Net Position:

	Year Ended 2012	Year Ended 2011
Assets		
Cash and Cash Equivalents	\$ 2,150,290	\$ 1,379,770
Investments at Fair Value		
Fixed Income Mutual Funds	24,080,754	21,581,731
Equity Mutual Funds	49,673,621	31,955,526
Illinois Funds Investment Pool	10,095,299	67,806
Total Investments	83,849,674	53,605,063
Accrued Interest Receivable	115,962	22,784
Total Assets	86,115,926	55,007,617
Liabilities		
Accounts Payable	14,000	11,333
Total Liabilities	14,000	11,333
Plan Net Position Held In Trust for OPEB	\$ 86,101,926	\$ 54,996,284

# **Statement of Changes in Plan Net Position:**

<b>3</b>	Year Ended 2012	Year Ended 2011
Additions:		
Contributions by Employer	\$ 35,426,215	\$ 18,020,374
Contributions by Retirees	5,821,019	5,576,468
Total Contributions	41,247,234	23,596,842
Net Appreciation (Depreciation) in Fair Value of Investments	7,200,445	(1,465,010)
Interest and Dividends	1,586,602	1,383,304
Total Investment Return (Loss)	8,787,047	(81,706)
Less Investment Expenses	(45,337)	(45,608)
Net Investment Income (Loss)	8,741,710	(127,314)
Total Additions	49,988,944	23,469,528
Deductions:		
Retiree Health Care Benefits	18,847,234	20,596,842
Administrative Expenses	36,068	29,833
Total Deductions	18,883,302	20,626,675
Net Increase in Plan Net Position	31,105,642	2,842,853
Net Position Held in Trust for OPEB		
January 1	54,996,284	52,153,431
December 31	\$ 86,101,926	\$ 54,996,284

See accompanying notes to the Financial Statements.

# FINANCIAL SECTION Year Ended December 31, 2012

#### 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.

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

#### FINANCIAL SECTION Year Ended December 31, 2012

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 average cost of investments sold, determined at the time of sale, is used.

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, 2011. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2013.

#### 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, 2012.

#### 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.

#### FINANCIAL SECTION Year Ended December 31, 2012

#### 2. Plan Description and Contribution Information

#### a. Membership

Membership of the Trust consisted of the following at December 31, 2011, the date of the latest actuarial valuation:

Retirees and survivors receiving benefits	1,977
Retiree dependent spouses receiving coverage	912
Active plan members	1,893
Total	4,782

#### 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 \$72,400,000 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.

#### FINANCIAL SECTION Year Ended December 31, 2012

#### 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, 2011, actuarial valuation is as follows (amounts in thousands):

		<b>Actuarial</b>					UAAL as a
	<b>Actuarial</b>	Accrued	U	nfunded/			Percentage
<b>Actuarial</b>	Value of	Liability	(Ov	erfunded)	Funded	Covered	of Covered
Valuation	<b>Assets</b>	(AAL)	A	AL (UAAL)	Ratio	Payroll	Payroll
Date	(a)	(b)		(b-a)	(a/b)	(c)	((b-a)/c)
12/31/2011						\$162,853	208.6%

Note: Actuarial valuations are required to be completed every two years. The most recent actuarial valuation was as of December 31, 2011.

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.

# FINANCIAL SECTION Year Ended December 31, 2012

Additional information as of the latest actuarial valuation follows:

Valuation date December 31, 2011

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 8.5% Initial

5% 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.

# FINANCIAL SECTION Year Ended December 31, 2012

#### 4. Investments

#### a. Allocation Targets

The Trust's investment policy was 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 allows 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%

#### 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, 2012, 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	\$5,657,363	23.4%	6.6
Payden Core Bond Fund	1,804,995	7.5%	6.8
PIMCO Total Return Instl	8,337,655	34.6%	6.1
Vanguard Inflation Protected			
Securities Institutional	8,280,741	34.5%	9.3
		100.0%	

The Trust's net fair value of investments in the Illinois Funds was \$10,095,299 as of December 31, 2012 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

#### FINANCIAL SECTION Year Ended December 31, 2012

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, 2012, 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, 2012:

	Fund Name				
			PIMCO	Vanguard	
		Payden	Total	Inflation	
	Dodge &	Core Bond	Return	Protected Secs	
	Cox Income	Fund	Institutional	Institutional	
	(1)	(1)	(2)	(1)	
Credit Rating	Percentage				
AAA	43.7	3.0	58.0	100.0	
AA	2.2	48.0	11.0	-	
Α	17.3	10.0	8.0	-	
BBB	26.9	25.0	15.0	-	
BB	4.5	7.0	3.0	-	
В	3.4	6.0	2.0	-	
Below B	-	1.0	3.0	-	
Not Rated	2.0				
Total	100.0	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, 2012.

#### FINANCIAL SECTION Year Ended December 31, 2012

#### 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, 2012, the Trust investments in international equity open-ended mutual funds stated at fair value are as follows:

Fund Name	Fair Value
Harbor International Institutional	\$ 7,921,908
Artisan International Fund	3,968,732
	\$11,890,640

#### 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, 2012, the Trust had no exposure to custodial credit risk since all investments were registered or held in the Trust's name.

#### REQUIRED SUPPLEMENTARY INFORMATION

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

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded/ (Overfunded) AAL (UAAL) (b-a)		Funded Ratio (a/b)	Covered Payroll (c)	UAAL as a Percentage of Covered Payroll ((b-a)/c)
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%

Note: The information included in this report is based on the actuarial valuation performed December 31, 2011. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2013. As such, all actuarial valuation information presented in this report is the same as that which was presented in the comprehensive annual financial report (CAFR) for the period ended December 31, 2011.

#### **SCHEDULE OF EMPLOYER CONTRIBUTIONS** (amounts in thousands):

#### Years ended December 31

Fiscal		Annual			
Year	R	equired	Percentage	Net OPE	3
Ended	Co	ntribution	Contributed*	Obligation	1
2012	\$	27,264	129.9%	\$ 69,425	
2011		27,264	66.1%	76,580	
2010		39,847	38.9%	66,329	
2009		39,847	36.6%	41,789	
2008		44,739	80.1%	16,325	,
2007		44,739	83.4%	7,405	)

Note: The Trust was established in 2007.

#### 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. Additional information as of the latest actuarial valuation is detailed on the following page.

<sup>\*</sup>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.

#### REQUIRED SUPPLEMENTARY INFORMATION

#### **ACTUARIAL ASSUMPTIONS:**

Valuation date December 31, 2011

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 8.5% Initial

5% Ultimate (Year 2018)

Annual Payroll Growth Rate 3.6% bility None

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

#### SUMMARY SCHEDULE OF ADMINISTRATIVE EXPENSES

	ear Ended mber 31, 2012	Year Ended December 31, 2011	
Professional services - audit fees Fiduciary insurance	\$ 26,100 9,968	\$	21,000 8,833
Total Administrative Expenses	\$ 36,068	\$	29,833

#### SUMMARY SCHEDULE OF INVESTMENT FEES

	ar Ended ber 31, 2012	Year Ended December 31, 2011	
Investment consulting fees Custodian transaction fees	\$ 44,222 1,115	\$ 45,333 275	
Net Investment Expenses	\$ 45,337	\$ 45,608	



#### **INVESTMENT SECTION**

#### INVESTMENT CONSULTANT REPORT

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

March 14, 2013

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 recently 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 development of the investment policy, advising on the development of 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	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%		

#### **Investment Portfolio Activities**

The Trust was established in 2007 and by 2010 a series of contributions totaling \$47.0 million were made to a money market fund account with the Illinois Funds, administered by the Illinois State Treasurer. Initial investment by the Trust was undertaken in 2010 through an investment custodial account. During 2010, the Trust transferred assets to the investment custodial account, invested \$47.7 million in a diversified group of mutual funds in accordance with the Trust's investment policy, and approved investment strategy. The \$47.7 million was comprised of the \$47.0 million in contributions and interest of \$700,000 accumulated in the Illinois Funds money market account. In 2011, an additional \$3.0 million was contributed to the investment custodial account. The \$3.0 million and accumulated distributions from the Trust's investments were invested in accordance with the Trust's strategy. No withdrawals were made

#### INVESTMENT SECTION

from the account. In 2012, an additional \$12.4 million was contributed to the investment custodial account. As before, the \$12.4 million was invested in accordance with the Trust's investment policy. A \$104,015 withdrawal was made in October 2012 to pay Trust related expenses and fees. Total contributions to the investment custodial account have aggregated to \$63.1 million as of year-end 2012. Trust holdings in the custodial account at year-end 2012 were valued at \$75.9 million. Investments of the Trust are stated at fair value at the last reported sales price on the last business day of 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 four fixed income managers that invest primarily in high quality domestic and international fixed income securities and one fixed income manager that invests in inflation protected 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 \$75.9 million at year-end 2012, compared with \$54.9 million at year-end 2011. As shown in the attached tables, the change in value of the account reflected a contribution of \$22.4 million and a gain of \$8.7 million on the investment account during 2012. The \$8.7 million gain reflected an increase in Capital Appreciation of \$6.4 million, bolstered by an additional \$2.3 million of Interest and Dividend Income. This resulted in a 38.25% increase in the assets held by the Trust. The return on invested assets for 2012 using the Modified Dietz approach was 14.63%, 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 \$22.4 million contributions made throughout the year.

The strong 14.63% investment return generated by the OPEB Trust for 2012 reflected a 17.85% return on equity investments, coupled with an 8.49% return on fixed income investments. The large positive return on equities reflected a "risk-on" market environment; as economic conditions improved throughout the year and corporate balance sheets continued to strengthen, investors' appetite for riskier assets amplified, thus benefitting the broad market. Additionally, concerns regarding the European economic recovery subsided as widespread government stimulus took hold; thus, boosting international markets in parallel. The majority of the robust equity performance largely transpired in the first quarter of 2012 and led to gains across all equity categories. Positive performance for the year was reinforced by a strong third quarter and stable final quarter for 2012. These positive returns led to gains for the year ranging from 16.0% in domestic large cap equity holdings to 18.6% in emerging markets equity investments. The strong return figures posted by equities were also supported by moderate gains in fixed income investments. This added strength in fixed income returns reflected a combination of continuing reassurance from the Federal Reserve that interest rates would remain low for a protracted period, perhaps extending into 2015, along with active intervention in the fixed income markets by the Federal Reserve to force long-term rates even lower. With this continued downward pressure on rates, investors flocked to lower quality sub-asset classes in search of yield; the 15.8% return in high yield fixed income holdings for the year highlighted this trend.

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 (60%), Barclay's U.S. Aggregate Bond Index

## **INVESTMENT SECTION**

(39%), and 91-Day U.S. Treasury Bills (1%). The blended benchmark returned 11.26% during 2012, calculated on a quarterly compounded basis.

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 2012 with a balance of \$10,095,299 compared with a balance of \$67,806 a year earlier.

Respectfully submitted,

Michael P. Paolucci Senior Consultant Segal Rogerscasey

# INVESTMENT SECTION

Table 1 MWRD Retiree Health Care Trust Investment Portfolio Balances	
Beginning Balances	\$55.0 million
April, 2012 Contribution	\$6.0 million
June, 2012 Contribution	\$2.3 million
July, 2012 Contribution	\$4.1 million
December, 2012 Contribution	\$10.0 million
Total Contributions During 2012	\$22.4 million
Interest & Dividends	\$2.3 million
Net Capital Appreciation	\$6.4 million
Ending Balance December 31, 2012	\$86.1 million
Time Weighted Return	14.63%

#### **INVESTMENT SECTION**

Table 2				
MWRD Retiree Health Care Trust				
Investment Schedule				
Time-Weighted Returns Calendar Year 2012		Ti		
	Ticker	Time- Weighted Investment Return	Benchmark Return	Benchmark
Equity Funds				
Harbor International Institutional	HAINX	20.86%	17.32%	MSCI EAFE Free Index
Artisan International Inv	ARTIX	19.54%*	21.94%*	MSCI EAFE Free Index
Invesco Equally-Wtd S&P 500	VADDX	4.98%*	3.69%*	Standard & Poor's 500 Index
Fidelity Contrafund	FCNTX	16.23%	16.00%	Standard & Poor's 500 Index
American Funds Fundamental Invs F-2	FINFX	17.40%	16.00%	Standard & Poor's 500 Index
MFS Massachusetts Investors Tr I	MITIX	19.47%	16.00%	Standard & Poor's 500 Index
The Profit Fund	PVALX	17.16%	16.35%	Standard & Poor's 500 Index
Vanguard Small Cap Index Institutional	VSISX	18.12%	16.35%	Russell 2000 Small Cap Index
Vanguard R⊟T Index	VGRSX	3.32%*	3.11%*	Wilshire US REIT INDEX
<u>Total Equity Composite</u>		17.85%	16.00%	Standard & Poor's 500 Index
Fixed Income Funds				
Dodge & Cox Income	DODIX	7.94%	4.21%	Barclays U.S.Aggregate Bond Index
Payden Core Bond Fund	PYCBX	9.68%	4.21%	Barclays U.S.Aggregate Bond Index
PIMCO Total Return Institutional	PTTRX	10.35%	4.21%	Barclays U.S.Aggregate Bond Index
Vanguard Inflation-Protected Institutional	VAIPX	6.87%	6.98%	Barclays U.S.Treasury Inflation Protected Securities Index
Total Fixed Income Composite		8.49%	4.21%	Barclays U.S.Aggregate Bond Index
<u>Cash</u> Dreyfus General Treasury Prime Money Market	GTBXX	0.04%	0.08%	91-Day US Treasury Bill
Total Portfolio Time Weighted Return		14.63%	11.26%	60% S&P 500 / 39% Barclays US Aggregate / 1% 91-Day US Treasury Bill

<sup>\*</sup>Partial Year Returns are Presented due to Mid-Year Funding:

Artisan International, Inception: 6/1/2012 Invesco Equally-Wtd, Inception: 5/1/2012 Vanguard REIT Index, Inception: 5/1/2012

#### **INVESTMENT SECTION**

Table 3			
MWRD Retiree Health Care Trust			
Investment Schedule			
Time-Weighted Returns Calendar 2012	Time-		
	_	Benchmark Return	Benchmark
Equity Composites	notani		
International Equity Composite	20.46%	17.32%	MSCI EAFE Free Index
Domestic Large Cap Composite	17.49%	16.00%	Standard & Poor's 500 Index
Domestic Small Cap Composite	13.71%	16.35%	Russell 2000 Small Cap Index
Real Estate Composite	3.32%*	3.11%*	Wilshire US REIT Index
Total Equity Composite	17.85%	16.00%	Standard & Poor's 500 Index
Fixed Income Composite			
Total Fixed Income Composite	8.49%	4.21%	Barclays U.S.Aggregate Bond Index
Total Portfolio Time Weighted Return	14.63%	11.26%	60% S&P 500 / 39% Barclays US Aggregate / 1% 91-Day US

<sup>\*</sup>Partial Year Returns are presented for Real Estate Composites due to Mid-Year Funding: Inception Date: 5/1/2012

## **INVESTMENT SECTION**

### 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 approved by the Board of Trustees on November 19, 2009.

#### **INVESTMENT SECTION**

#### 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	ınd Asset	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%

Note: 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 blend of the S&P 500 Index (60%), Barclay's U.S. Aggregate Bond Index (39%), and 91-Day U.S. Treasury Bills (1%).

### **INVESTMENT ALLOCATION**

Investment by the Trust is undertaken through an investment custodial account. Through December 31, 2012, the Trust has contributed a cumulative total of \$62,400,000 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. A withdrawal of \$104,000 was made from the investment custodial account in 2012 for payment of Trust related expenses and fees. All investments are in open-ended mutual funds.

As of December 31, 2012 and 2011, the Trust's asset allocations at fair value are as follows:

	Actual Asset	Actual Asset	Target
Asset Class	<b>Allocation 2012</b>	Allocation 2011	Allocation
Domestic Equity	50%	44%	40%
International Equity	16%	14%	20%
Domestic Fixed Income	32%	39%	39%
Cash & Cash Equivalent	2%	3%	1%
Total	100%	100%	100%

At December 31, 2012, the Trust had deposits awaiting investment of \$10,095,299 in the Illinois Funds money market investment pool, as managed by the State of Illinois, Office of the Treasurer. This amount is mainly comprised of an advance funding contribution of \$10,000,000

### **INVESTMENT SECTION**

made by the District in late December, 2012. Due to the timing of the advance funding contribution, the balance in the Illinois Funds investment pool was not yet transferred to the investment custodial account and is 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, 2012, was 14.63%, compared to the Trust's Policy Index return of 11.26%.

The investment rate of return on invested assets for the year ending December 31, 2011, was 0.18%, compared to the Trust's Policy Index return of 4.90%.

#### INVESTMENT ASSETS

	December	31, 2012	December 31, 2011		
	Fair Value	Percent	Fair Value	Percent	
Equity Funds					
American Funds Fundamental Invs F-2	\$ 7,703,298	9.0%	\$ 7,634,344	13.9%	
Artisan International Fund	3,968,732	4.6%	-	-	
Fidelity Contrafund	6,624,117	7.7%	5,493,364	10.0%	
Harbor International Institutional	7,921,908	9.2%	5,105,409	9.3%	
Invesco Equally-Weighted S&P 500	3,743,384	4.4%	-	-	
MFS Massachusetts Investors Tr I	6,739,758	7.8%	4,854,301	8.8%	
The Profit Fund	1,792,703	2.1%	2,278,729	4.1%	
Vanguard REIT Index	3,640,806	4.2%	-	-	
Vanguard Small Cap Index Institutional	7,538,915	8.8%	2,782,498	5.1%	
Fidelity Advisor Intl Discovery I	-	-	2,425,110	4.4%	
Perkins Small Cap Value I		-	1,381,771	2.5%	
Total Equity Funds	49,673,621	57.8%	31,955,526	58.1%	
Fixed Income Funds					
Dodge & Cox Income	5,657,363	6.6%	4,736,847	8.6%	
Payden Core Bond Fund	1,804,995	2.1%	1,318,930	2.4%	
PIMCO Total Return Institutional	8,337,655	9.7%	7,170,627	13.1%	
Vanguard Inflation Protected Secs Instl	8,280,741	9.6%	8,355,327	15.2%	
Total Fixed Income Funds	24,080,754	28.0%	21,581,731	39.3%	
Illinois Funds Investment Pool	10,095,299	11.7%	67,806	0.1%	
Total Plan Assets at Fair Value	83,849,674	97.5%	53,605,063	97.5%	
Cash & Cash Equivalents	2,150,290	2.5%	1,379,770	2.5%	
Total Investments at Fair Value	\$85,999,964	100.0%	\$54,984,833	100.0%	

### **INVESTMENT SECTION**

#### **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
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**

	Year Ended 12/31/2012 (3)	Year Ended 12/31/2011 (4)
Trust's Total Portfolio	14.63%	0.18%
Trust's Policy Index	11.26%	4.90%
(60% S&P 500 Index; 39% Barclay's	US Aggregate	
Bond Index; 1% 90-Day US Treasur	y Bill)	
Trust's Equity Composite	17.85%	-4.18%
S&P 500 Index	16.00%	2.12%
International Equity Composite	20.46%	-12.32%
MSCI EAFE Free Index	17.32%	-12.14%
Domestic Large Cap Composite	17.49%	-0.95%
S&P 500 Index	16.00%	2.12%
Domestic Small Cap Composite	13.71%	-2.77%
Russell 2000 Small Cap Index	16.35%	-4.17%
Real Estate Composite	3.32%*	
Wilshire US REIT Index	3.11%*	
Trust's Fixed Income Composite	8.49%	7.68%
Barclay's U.S. Aggregate Bond Index	4.21%	7.84%

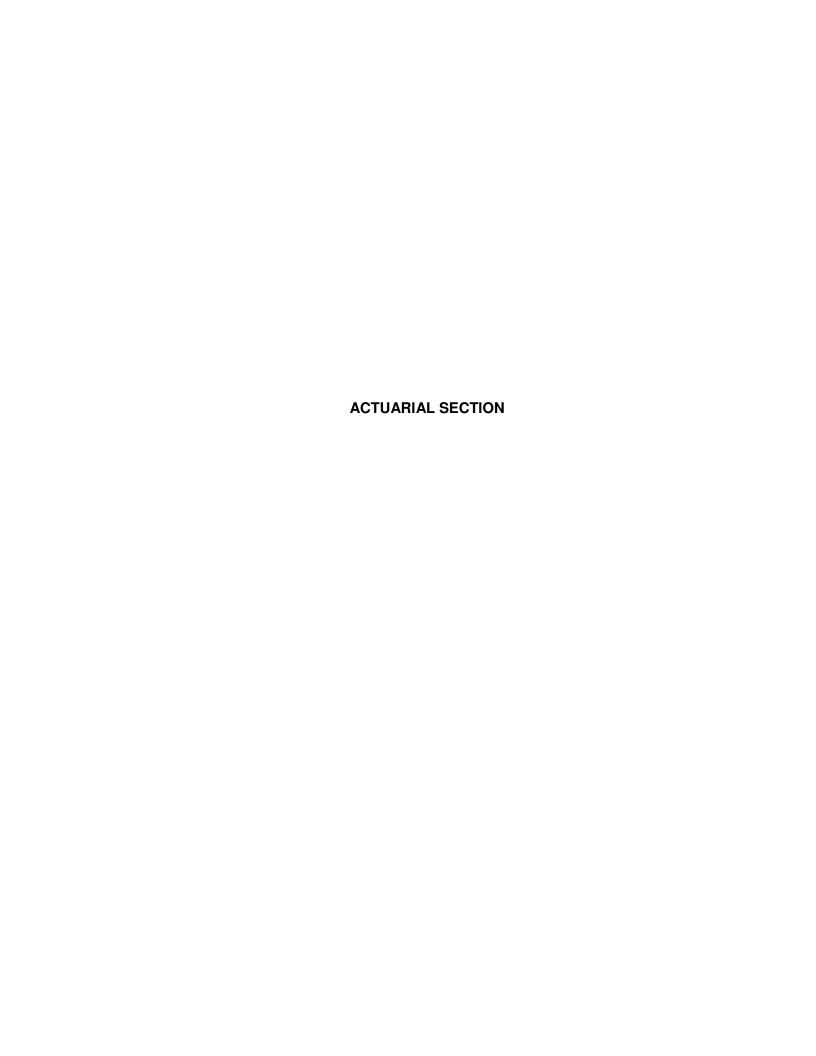
<sup>\*</sup> Partial Year Returns are presented for Real Estate Composite due to Mid-Year Funding (Inception Date: 5/1/2012)

- (3) 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.
- (4) The nominal increase in value of invested assets was 5.58% for the year ending December 31, 2011. The return on invested assets using the Modified Dietz approach was 0.18%. The disparity between the percentage return on investments and the increase in asset value reflects the impact and timing of \$3.0 million advance funding contributions made throughout the year.

# **INVESTMENT SECTION**

# **Summary Schedule of Investment Fees**

Years Ending December 31	2012	2011
Investment Consulting Fees	\$44,222	\$45,333
Custodian Transaction Fees	1,115	275
Total Investment Expenses	\$45,337	\$45,608



#### **ACTUARIAL SECTION**

#### **ACTUARIAL CERTIFICATION**

The Metropolitan Water Reclamation District of Greater Chicago retained PricewaterhouseCoopers LLP ("PwC") to perform an actuarial valuation of its Retiree Health Care Benefit Plan ("the Plan") 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 the Metropolitan Water Reclamation District of Greater Chicago's financial accounting requirements. The calculations reported herein have been made on a basis consistent with our understanding of GASB 43.

In preparing the results presented in this report, we have relied upon information the Metropolitan Water Reclamation District of Greater Chicago 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, 2011 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 are dependent upon the accuracy and completeness of the underlying information.

GASB 43 requires that each significant assumption reflect the best estimate of the Plan's future experience solely with respect to that assumption. The Metropolitan Water Reclamation District of Greater Chicago 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 have not been performed.

This report was prepared for the internal use of the Metropolitan Water Reclamation District of Greater Chicago in connection with our actuarial valuation of the Plan 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.

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 post-retirement 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 the Metropolitan Water Reclamation District of Greater Chicago. We are available to answer any questions with respect to our report.

## **ACTUARIAL SECTION**

Respectfully submitted,

PRICEWATERHOUSECOOPERS LLP

Jack Abraham

Fellow of the Society of Actuaries

**Enrolled Actuary** 

Member of the American Academy of Actuaries

Jill Stockard

Fellow of the Society of Actuaries

Member of the American Academy of Actuaries

Hockenel

### **ACTUARIAL SECTION**

#### 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, 2011. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2013.

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, 2012, \$72,400,000 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 2012 and 2011, the District funded 129.9% and 66.1%, 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.

### **ACTUARIAL SECTION**

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 mortality assumption was updated to include projected mortality improvements on a fully generational basis.
- The retiree and spouse participation assumptions were changed from 100% and 60% to 90% and 76%, respectively.
- The average age of spouses was changed from males 4 years older than females to males 3 years older than females.
- The assumed distribution of future benefit recipients among the individual health plans has been revised based on actual 2011 retiree elections.
- The per capita claims costs have been updated based on premiums in effect as of July 1, 2011, and historical claims data.
- The medical trend rates have been updated to better reflect anticipated medical cost inflation.
- The plan was changed to increase the required retiree contributions from the 2011 rate (approximately 20%) to ultimately reach 50% of expected plan costs by 2021.
- For participants hired on or after April 1, 1986, the percentage assumed to enroll in Medicare upon reaching eligibility was changed from 90% to 100%. For participants hired prior to April 1, 1986, the percentage assumed to enroll in Medicare upon reaching eligibility was changed from 90% to 93%.
- The December 31, 2011, valuation reflects the impact of the 40% excise tax on high cost plans as a result of the Patient Protection and Affordable Care Act ("PPACA") signed into law on March 23, 2010. The impact of this provision is estimated to increase the accrued liability as of December 31, 2011, by 2.6%.

### **ACTUARIAL SECTION**

Below are the most significant actuarial assumptions:

Valuation date December 31, 2011

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 8.5% Initial

5% 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.

### **ACTUARIAL SECTION**

## Summary of Participant Information

All employees of the District, with at least 10 years of service, are eligible to receive post-retirement 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  Not yet eligible for postretirement benefits	479 1,414
Total	1,893
Retirees, Survivors, and Dependents	
Retirees and Survivors	1,977
Dependent Spouses	912
Total	2,889
Total participants	4,782
Active participant characteristics	
Average age	49.4
Average past service	13.6
Average age of inactive participants	73.1

<sup>\*</sup>Participant data determined as of December 31, 2011.

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, 2011 through June 30, 2012:

		НМО				PPO			
	W	ithout	With		Without		With		
All Retirees	Μe	dicare	<u>Medicare</u>		<u>Medicare</u>		<u>Medicare</u>		
Benefit Recipient:									
Pre-65	\$	2,260	\$	2,260	\$	3,426	\$	3,426	
Post-65		2,260		1,903		3,426		1,642	
Dependent Spouses:									
Pre-65		1,976		1,976		3,426		3,426	
Post-65		1,976		1,903		3,426		1,644	

## **ACTUARIAL SECTION**

## 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>				En	try 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	-	-	-	-	-	-	-	-	8.0
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

### **ACTUARIAL SECTION**

## **Annual Per Capita Claims**

The claims tables for the 2011 valuation have been developed by calculating the weighted average of the 2011 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.

	НМО					PPO			
	W	ith	W	ithout		With	W	ithout	
<u>Age</u>	Med	<u>icare</u>	Мe	dicare	<u>M</u> e	<u>edicare</u>	Me	<u>edicare</u>	
40	\$ 3	3,405	\$	3,405	\$	4,882	\$	4,882	
45	4	1,424		4,424		6,447		6,447	
50	6	5,011		6,011		8,909		8,909	
55	7	7,907		7,907		11,877		11,877	
60	Ş	9,826		9,826		14,893		14,893	
64	11	1,219		11,219		17,081		17,081	
65	7	7,228		10,305		6,356		14,568	
70	7	7,928		12,378		6,906		17,461	
75	8	3,520		14,261		7,364		20,103	
80	8	3,839		15,556		7,589		21,935	
85	8	3,775		15,975		7,530		22,585	
90	8	3,444		15,484		7,165		21,899	
95	7	7,708		13,985		6,498		19,843	

## 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
2012	8.5 %
2013	7.9
2014	7.3
2015	6.7
2016	6.1
2017	5.5
2018 and later	5.0

### **ACTUARIAL SECTION**

#### **ANALYSIS OF FUNDING**

## Reconciliation of the Change in Unfunded Liability

(in thousands)

Unfunded liability as of December 31, 2009	\$478,585
Expected unfunded liability as of December 31, 2011	532,210
Decrease in unfunded liability due to investment return greater than expected	(881)
Increase in unfunded liability due to changes in census <sup>1</sup>	25,289
Increase in unfunded liability due to change in mortality assumption <sup>2</sup>	44,545
Decrease in unfunded liability due to participation and spouse assumptions <sup>3</sup>	(3,754)
Decrease in unfunded liability due to net claims lower than expected	(26,247)
Increase in unfunded liability due to increase in healthcare trend rates	6,252
Decrease in unfunded liability due to changes in contributions <sup>4</sup>	(179,916)
Decrease in unfunded liability due to Medicare election assumption change <sup>5</sup>	(31,766)
Decrease in unfunded liability due to change in discount rate	(36,169)
Increase in unfunded liability due to impact of Excise Tax <sup>6</sup>	10,117
Net increase in unfunded liability	(192,530)
Unfunded liability as of December 31, 2011	\$339,680

<sup>&</sup>lt;sup>1</sup>Change due to census assumes Medicare enrollment for all post-65 retires is unchanged from fiscal year 2010.

Note: Actuarial valuations are required to be completed every two years. The most recent actuarial valuation was as of December 31, 2011.

<sup>&</sup>lt;sup>2</sup>The mortality assumption was updated to include projected mortality improvements on a fully generational basis.

<sup>&</sup>lt;sup>3</sup>Change due to the retiree participation assumption (100% to 90%), spouse participation assumption (60% to 76%), and spouse age assumption (+/- 4 yrs to +/- 3 yrs), and PPO election % (based on current retiree enrollment).

<sup>&</sup>lt;sup>4</sup>Change due to increasing retiree contributions from the 2011 rate (approximately 20%) up to 50% in 2021.

<sup>&</sup>lt;sup>5</sup>Change due to 100% Medicare enrollment of all actives and pre-65 retirees hired on or after April 1, 1986 upon attaining age 65.

<sup>&</sup>lt;sup>6</sup>The December 31, 2011 valuation reflects the impact of the 40% excise tax on high cost plans as a result of the Patient Protection and Affordable Care Act ("PPACA") signed into law on March 23, 2010.

### **ACTUARIAL SECTION**

## 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, 2012, is calculated as follows (amounts in thousands):

Annual Required Contribution for 2012	\$ 27,264
Interest on Net OPEB Obligation	4,643
Adjustment to Annual Required Contribution	(3,636)
Annual OPEB Cost	28,271
Contributions Made	(35,426)
Decrease in Net OPEB Obligation	(7,155)
Net OPEB Obligation Beginning of Year	76,580
Net OPEB Obligation End of Year	\$69,425

## Solvency Test

Actuarial Valuation Date	Actuarial Value of Assets (a)	Actuarial Accrued Liability (AAL) (b)	Unfunded/ (Overfunded) AAL (UAAL) (b-a)		Funded Ratio (a/b)	
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%	

Note: The information included in this report is based on the actuarial valuation performed December 31, 2011. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2013. As such, all actuarial valuation information presented in this report is the same as that which was presented in the comprehensive annual financial report (CAFR) for the period ended December 31, 2011.

## HISTORICAL VALUATION DATA

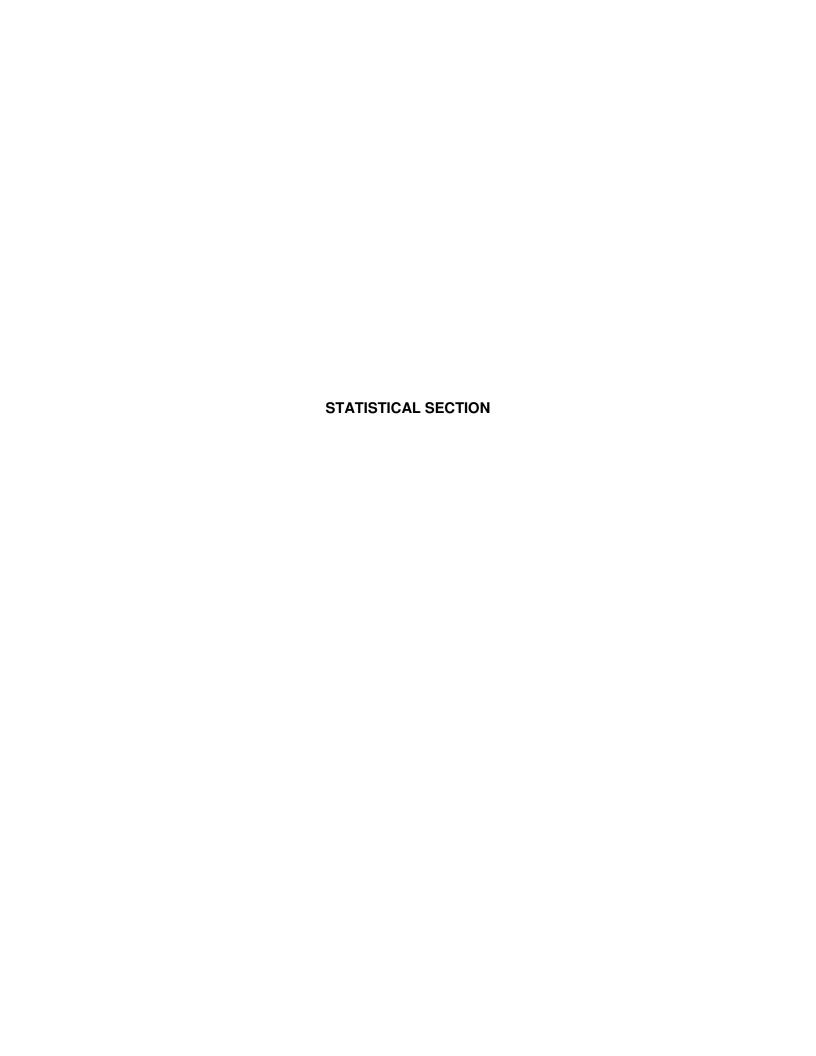
## Schedule of Active Member Valuation Data

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

# **ACTUARIAL SECTION**

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

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



### STATISTICAL SECTION

#### 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

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**

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**

Actuarial		Not Yet	Retirees and		% Active to
Valuation Date	Eligible	Eligible	Beneficiaries	Total	Retirees
12/31/2011	479	1,414	1,977	3,870	96%
12/31/2009	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
12/31/2011	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, 2013.

# STATISTICAL SECTION

CHANGE IN PLAN NET POSITION								
OTANGE IN FEATURE	Year Ended 2012	Year Ended 2011	Year Ended 2010	Year Ended 2009	Year Ended 2008	Year Ended 2007 (1)		
Additions:								
Contributions by Employer	\$ 35,426,215	\$ 18,020,374	\$ 15,516,965	\$ 14,591,543	\$ 35,819,281	\$ 37,333,865		
Contributions by Retirees	5,821,019	5,576,468	4,596,887	4,210,493	3,727,752	3,825,262		
Total Contributions	41,247,234	23,596,842	20,113,852	18,802,036	39,547,033	41,159,127		
Net Appreciation (Depreciation)								
in Fair Value of Investments	7,200,445	(1,465,010)	3,540,803	-	-	-		
Interest and Dividends	1,586,602	1,383,304	797,212	158,828	801,118	24,760		
Total Investment Return	8,787,047	(81,706)	4,338,015	158,828	801,118	24,760		
Less Investment Expenses	(45,337)	(45,608)	(46,109)	(45,333)	(11,333)	-		
Net Investment Income	8,741,710	(127,314)	4,291,906	113,495	789,785	24,760		
Total Additions	49,988,944	23,469,528	24,405,758	18,915,531	40,336,818	41,183,887		
Deductions:								
Retiree Health Care Benefits	18,847,234	20,596,842	20,113,852	18,802,036	17,547,033	16,159,127		
Administrative Expenses	36,068	29,833	29,795	18,720	18,000	-		
Total Deductions	18,883,302	20,626,675	20,143,647	18,820,756	17,565,033	16,159,127		
Net Increase in Plan Net Position	31,105,642	2,842,853	4,262,111	94,775	22,771,785	25,024,760		
Net Position Held in Trust for OPE	В							
January 1	54,996,284	52,153,431	47,891,320	47,796,545	25,024,760	-		
December 31	\$ 86,101,926	\$ 54,996,284	\$ 52,153,431	\$ 47,891,320	\$ 47,796,545	\$ 25,024,760		

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

## SCHEDULE OF REVENUES BY SOURCE

Year Ended			Investment Income (Loss)	Total Additions
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

## STATISTICAL SECTION

### SCHEDULE OF RETURN ON INVESTMENTS

Year Ended	Year-End Investment Balance	Annual Rate of Return	_
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	
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:

2012	129.9%
2011	66.1%
2010	38.9%
2009	36.6%
2008	80.1%
2007	83.4%

## STATISTICAL SECTION

## **HISTORY OF BENEFIT PAYMENTS**

Year Ended	Number of Retirees & Beneficiaries	tiree Benefit Payments	Average Annual Benefit	Average Monthly Benefit	
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**

			Custodian							
Year In		Investment		<b>External Audit</b>		Fiduciary		saction	Total	
<b>Ended</b>	Adv	isor Fee		Fee	Ins	urance		ees	Expenses	
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	)	_		_		_		_	_	

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