## 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 As of and for the year ended December 31, 2019

Prepared by the Management and Staff of The Metropolitan Water Reclamation District of Greater Chicago

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INTRODUCTORY SECTION



Government Finance Officers Association

## 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, 2018

Christophen P. Morrill

Executive Director/CEO

## Metropolitan Water Reclamation District Retiree Health Care Trust

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

May 8, 2020

Members of the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago Trustee and Fiduciary for the MWRD Retiree Health Care Trust 100 East Erie Street Chicago, Illinois 60611

Dear Commissioners:

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, 2019. 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 auditor.

#### 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 initially adopted by the Board of Commissioners 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 as defined by the Plan. 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 agreements were revised on March 5, 2020 to clarify certain definitions, eligibility, election, benefit provisions, claims, appeals, legal provisions, roles and duties, accounting and reporting provisions, and the amendments and termination process.

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

## BOARD OF COMMISSIONERS OF THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

The District, acting through its Board of Commissioners ("BOC"), serves as Trustee and Fiduciary for the Trust. 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

In 2007, the BOC adopted an initial advance funding policy meant to (i) improve the District's financial position by reducing the amount of future contributions and (ii) serve to establish a reserve to help ensure the financial ability to provide healthcare coverage for District retirees and annuitants in the future. On October 2, 2014, the advance funding policy was amended by the BOC with the following guidelines:

Target Funding Level:	100% maximum
Funding Period:	12 years
Funding Amount:	\$5 million funding in each of the twelve years 2015 through 2026, with no further advance funding contributions required after 2026.

Beginning in 2027, cash to be withdrawn from the Trust to fund claims and insurance premiums will be determined by the Trust's actuary with the target funding level to be maintained at 100 percent for all future years. There is currently no legal requirement for the District to partially or fully fund the OPEB ("Other Postemployment Benefits") 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.

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 District's BOC has discretionary authority to determine contribution amounts to be paid into the Trust. Through December 31, 2019, an aggregate of \$137,400,000 has been contributed by the District to the OPEB Trust Fund. The advance funding contribution for 2019 was \$5,000,000 in accordance with the Trust's current funding policy requirement. In succeeding fiscal years the Trust will receive the District (employer) contributions as determined by the BOC.

The Plan's Net OPEB Liability was \$72,208,136 as of December 31, 2019, the date of the most recent actuarial valuation. The Net OPEB Liability is measured as the Total OPEB Liability, less the amount of the Plan's Fiduciary Net Position, in which plan assets 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.

The Plan Fiduciary Net Position as a percentage of the Total OPEB Liability was 76.3% at December 31, 2019, 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's Investment Policy was initially adopted by the District's BOC on November

19, 2009, and was subsequently revised on November 15, 2018 to allow for new asset allocation targets structured to provide competitive performance while minimizing the potential for losses.

The Trust reported a total investment return of \$39,306,295 for 2019, yielding 20.5%, compared to the Trust's Policy Index return of 18.6%. In 2018 the Trust reported a total investment loss of \$11,785,345, yielding -5.9%, compared to the Policy Index return of -3.5%.

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

#### 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 No. 75 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, 2018. 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.

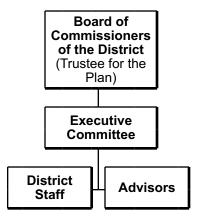
A Certificate of Achievement is valid for only one year. The Trust received a Certificate of Achievement for the last twelve years. We believe our current report continues to conform to the Certificate of Achievement program requirements; we are therefore submitting it to the GFOA to determine its eligibility for a Certificate of Achievement for the year ending December 31, 2019.

Respectfully submitted,

Mary an Dorfe

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

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



#### BOARD OF COMMISSIONERS OF THE DISTRICT

The District, acting through its Board of Commissioners, serves as Trustee and Fiduciary for the Plan.

Kari K. Steele, *President* Barbara J. McGowan, *Vice President* Frank Avila, *Chairman of Finance* Cameron Davis Kimberly Du Buclet Marcelino Garcia Josina Morita Debra Shore Mariyana T. Spyropoulos

#### **EXECUTIVE COMMITTEE**

Frank Avila, Chairman of Finance Mary Ann Boyle, Treasurer of the District Jacqueline Torres, Clerk/Director of Finance

#### **DISTRICT STAFF**

Treasury Department – Mary Ann Boyle, Treasurer Finance Department – Jacqueline Torres, Clerk/Director of Finance Department of Human Resources – Beverly K. Sanders, Director of Human Resources Law Department – Susan T. Morakalis, General Counsel

#### **ADVISORS**

Actuary: Foster & Foster, Inc. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2021.

Investment Advisor: Marquette Associates, Inc. See further detail in the summary schedule of investment fees on page 39.

**FINANCIAL SECTION** 



#### Independent Auditor's Report

**RSM US LLP** 

To the Members of the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago Trustee and Fiduciary for the MWRD Retiree Health Care Trust Chicago, Illinois

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

We have audited the accompanying statement of plan net position of the Metropolitan Water Reclamation District Retiree Health Care Trust (Trust), a component unit of the Metropolitan Water Reclamation District of Greater Chicago (District), Illinois, as of and for the year ended December 31, 2019, and the related statement of changes in plan net position for the year then ended, and 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.

#### Auditor's Responsibility

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

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

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

#### Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net position of the Trust, as of December 31, 2019, and the respective changes in plan net position for the year then ended in accordance with accounting principles generally accepted in the United States of America.

#### **Other Matters**

#### Prior Year Comparative Information

The financial statements include partial prior-year comparative information. Such information does not include all of the information required to constitute a presentation in accordance with accounting principles generally accepted in the United States of America. Accordingly, such information should be read in conjunction with the Trust's financial statements for the year ended December 31, 2018, from which such partial information was derived.

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#### **Required Supplementary Information**

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on pages 3–6 and the schedule of changes in the District's net OPEB liability and related ratios, schedule of District contributions and related notes and schedule of investment returns on pages 22–24 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.

#### **Other Information**

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Trust's basic financial statements. The accompanying supplementary information, consisting of summary schedules in the financial section, and the accompanying investment, actuarial and statistical sections are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The supplementary 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. Such 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 supplementary information is fairly stated, in all material respects, in relation to the basic financial statements as a whole. The introductory, investment, actuarial and statistical sections have 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 them.

We have also previously audited, in accordance with auditing standards generally accepted in the United States of America, the Trust's basic financial statements as of and for the year ended December 31, 2018 (not presented herein), and have issued our report thereon dated May 10, 2019, which contained an unmodified opinion on those financial statements. The accompanying schedule of administrative expenses and the summary schedule of investment fees for the year ended December 31, 2018 is presented for purposes of additional analysis and is not a required part of the 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 2018 basic financial statements. The other supplementary information has been subjected to the auditing procedures applied in the audit of the 2018 basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare those basic financial statements or to those 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 other supplementary information is fairly stated, in all material aspects, in relation to the financial statements as a whole for the year ended December 31, 2018.

RSM US LLP

Chicago, Illinois May 8, 2020

### **FINANCIAL SECTION**

Management's Discussion and Analysis (Unaudited) Year Ended December 31, 2019 (With comparative amounts for prior year)

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

This section presents management's discussion and analysis of the Trust's financial performance for the years ended December 31, 2019 and 2018, 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 Statements of Fiduciary 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 restricted for OPEB for retiree health care benefits are accounted for in the Statements of Changes in Fiduciary 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 as defined by the Plan. The Trust was established December 6, 2007.

The OPEB Trust implemented Statement No. 74 of the Governmental Accounting Standards Board (GASB), *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, beginning in fiscal year ended December 31, 2017. The financial reporting standard modified the Trust's notes to the basic financial statements and required supplementary information as well as required the calculation of a total OPEB liability and a net OPEB liability.

The Statement of Fiduciary Net Position and Statement of Changes in Fiduciary Net Position measure the value of the plan's net position and the changes to it. As of December 31, 2019, the plan net position increased to \$232,514,670 from \$188,317,255 at December 31, 2018.

#### **FINANCIAL SECTION**

## Management's Discussion and Analysis (Unaudited) Year Ended December 31, 2019 (With comparative amounts for prior year)

### FIDUCIARY NET POSITION AND CHANGES IN FIDUCIARY NET POSITION

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

	December 31, 2019	December 31, 2018	Change	Percent Change
Assets				
Investments at Fair Value	\$ 232,445,765	\$ 188,236,277	\$ 44,209,488	23.5%
Accrued Interest Receivable	97,655	94,728	2,927	3.1%
Total Assets	232,543,420	188,331,005	44,212,415	23.5%
Liabilities				
Accounts Payable	28,750	13,750	15,000	109.1%
Total Liabilities	28,750	13,750	15,000	109.1%
Net Position Restricted for OPEB	\$ 232,514,670	\$ 188,317,255	\$ 44,197,415	23.5%

In 2019 the increase in net position restricted for OPEB resulted from the Employer's contribution to the Trust of \$5 million as well as investment earnings for the year. The Trust's time-weighted investment rate of return was 20.5% for the year, and 6.6% for the five years ended December 31, 2019.

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

	Year Ended December 31, 2019	Year Ended December 31, 2018	Change	Percent Change
Additions:				
Contributions by Employer	\$ 17,700,092	\$ 17,570,679	\$ 129,413	0.7 %
Total Contributions	17,700,092	17,570,679	129,413	0.7 %
Net Appreciation (Depreciation)				
in Fair Value of Investments	33,868,070	(16,588,686)	50,456,756	(304.2)%
Interest and Dividends	5,438,225	4,803,341	634,884	13.2 %
Total Investment Return (Loss)	39,306,295	(11,785,345)	51,091,640	(433.5)%
Less Investment Expenses	(55,000)	(55,000)	_	0.0 %
Net Investment Income (Loss)	39,251,295	(11,840,345)	51,091,640	(431.5)%
Total Additions	56,951,387	5,730,334	51,221,053	893.9 %
Deductions:				
Retiree Health Care Benefits	12,700,092	12,570,679	129,413	1.0 %
Administrative Expenses	53,880	42,200	11,680	27.7 %
Total Deductions	12,753,972	12,612,879	141,093	1.1 %
Net Increase (Decrease)	44,197,415	(6,882,545)	51,079,960	(742.2)%
Net Position Restricted For OPEB				
Beginning of year	188,317,255	195,199,800	(6,882,545)	(3.5)%
End of year	\$ 232,514,670	\$ 188,317,255	\$ 44,197,415	23.5 %

### **FINANCIAL SECTION**

Management's Discussion and Analysis (Unaudited) Year Ended December 31, 2019 (With comparative amounts for prior year)

### Additions

Additions are accumulated through employer and retiree contributions, and returns are provided by invested assets. Total additions for 2019 were \$57.0 million compared to \$5.7 million in 2018, an increase of \$51.2 million or 893.9%. Employer contributions were \$17.7 million for 2019, representing an increase of \$0.1 million or 0.7%. Advance funding contributions made by the District were \$5.0 million in 2019 and 2018. Through December 31, 2019, a total of \$137.4 million has been contributed to the Trust. The 2019 net investment income of \$39.3 million was due to the net appreciation in fair value of investments of \$33.9 million and dividends earned on mutual fund investments of \$5.4 million. Net investment income (loss) is a combination of interest and dividend income, and gains and losses on investments held at year-end. Overall the 20.5% investment return for 2019 reflected a 26.9% return on equity investments, while fixed income investments posted a 10.5% return. The strong return on equities was facilitated by U.S. equities ending the year near all-time highs, as most risk seeking and defensive asset classes delivered positive returns, a stark contrast to the environment in 2018.

#### Deductions

The expenses paid by the Trust are retiree health care benefit payments and administrative expenses. Total deductions for 2019 were \$12.8 million compared to \$12.6 million in 2018, an increase of \$0.2 million or 1.1%. Benefit payments increased 1.0% from 2018, representing a normal increase due to medical cost inflation. Total administrative expenses represent the cost of fiduciary insurance for the Trustee, along with external audit fees.

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

Comparative investment returns by asset allocation are as follows:

Asset Class	2019 Percent of Investments	2018 Percent of Investments	2019 Return on Invested Assets	2018 Return on Invested Assets
Domestic Equity	45%	42%	29.1%	-8.0%
International Equity	19%	19%	22.2%	-13.0%
Domestic Fixed Income	33%	37%	10.5%	-1.0%
Money Market Funds	3%	2%	1.9%	1.7%
Total	100%	100%	20.5%	-5.9%

The increase in value of the Trust's invested assets was 23.5%. The return on invested assets for 2019 using the Modified Dietz approach was 20.5%, calculated on a quarterly compounded basis. The disparity between the percentage return on investments and the increase in asset value reflects the impact and timing of \$5.0 million advance funding contribution made during 2019.

### **FINANCIAL SECTION**

Management's Discussion and Analysis (Unaudited) Year Ended December 31, 2019 (With comparative amounts for prior year)

#### **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 Plan Fiduciary Net Position as a percentage of the Total OPEB Liability was 76.3% as of December 31, 2019, representing an increase from 58.6% as of December 31, 2018. The increase in the ratio was due to investment returns being greater than anticipated, along with District contributions to the Plan. The District remains confident it is well on its way to meeting its goals of providing financial stability to the Plan.

#### **Required Supplementary Information**

To provide actuarial determined information about the Trust, this report includes schedules of historical trend information in the Required Supplementary Information (RSI) section as required by accounting standards. The RSI provides a Schedule of Changes in the District's Net OPEB Liability and Related Ratios, a Schedule of District Contributions and Related Notes, and a Schedule of Investment Returns. The RSI section complies with the Statement 74, *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans* from the Governmental Accounting Standards Board (GASB). The RSI section displays changes for the Trust's Net OPEB Liability (NPL) and related ratios, contributions related to payrolls, and money-weighted investment returns for the Trust.

The Actuarial Assumptions presented were determined as part of the actuarial valuation at December 31, 2019. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2021. For the years in which a valuation is not completed, a required roll-forward calculation is completed from the latest actuarial valuation to compute the updated Net OPEB liability. Please note that the actuarial information is based on assumptions about future events, and therefore, the figures presented are estimates.

#### **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 Actuarial Certification Letter, an introduction, a summary of assumptions and methods, and other actuarial information. The statistical section consists of a description of the statistical schedules, member statistics, and the change in net positions, revenues by source, schedule of return on investments, schedule of employer contributions, and schedule of expenses by type.

#### **CONTACT INFORMATION**

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

### FINANCIAL SECTION Financial Statements

#### Statements of Fiduciary Net Position December 31, 2019 (With comparative amounts for prior year)

	2019	2018
Assets		
Investments at Fair Value		
Fixed Income Mutual Funds	\$ 76,434,724	\$ 69,189,037
Equity Mutual Funds	148,617,132	114,647,697
Money Market Funds	7,393,909	4,399,543
Total Investments	232,445,765	188,236,277
Accrued Interest Receivable	97,655	94,728
Total Assets	232,543,420	188,331,005
Liabilities		
Accounts Payable	28,750	13,750
Total Liabilities	28,750	13,750
Net Position Restricted for OPEB	\$ 232,514,670	\$ 188,317,255

See accompanying notes to the Financial Statements

#### FINANCIAL SECTION Financial Statements

#### Statements of Changes in Fiduciary Net Position Year Ended December 31, 2019 (With comparative amounts for prior year)

	2019	2018
Additions:		
Contributions by Employer	\$ 17,700,092	\$ 17,570,679
Total Contributions	17,700,092	17,570,679
Net Appreciation (Depreciation) in Fair Value		
of Investments	33,868,070	(16,588,686)
Interest and Dividends	5,438,225	4,803,341
Total Investment Return (Loss)	39,306,295	(11,785,345)
Less Investment Expenses	(55,000)	(55,000)
Net Investment Income (Loss)	39,251,295	(11,840,345)
Total Additions	56,951,387	5,730,334
Deductions:		
Retiree Health Care Benefits	12,700,092	12,570,679
Administrative Expenses	53,880	42,200
Total Deductions	12,753,972	12,612,879
Net Increase (Decrease)	44,197,415	(6,882,545)
Net Position Restricted for OPEB		
January 1	188,317,255	195,199,800
December 31	\$ 232,514,670	\$ 188,317,255

See accompanying notes to the Financial Statements

#### 1. Summary of Significant Accounting Policies

#### a. Reporting Entity

Pursuant to 70 ILCS 2605/9.6d, the Board of Commissioners (the Board) of 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 as defined by the Plan.

The District, acting through its nine-member Board of Commissioners, serves as Trustee and Fiduciary for the Trust. The Board members are elected at large for six-year terms. The terms are staggered so that three commissioners are elected every two years. The Board authorizes all policies which govern funding and plan benefits.

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 Internal Revenue Service.

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. 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 initially adopted its investment policy on November 19, 2009, which was most recently revised on November 15, 2018.

Investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Changes in the carrying value of investments, resulting in realized and unrealized gains or losses, are reported as a component of investment income in the statement of changes in plan net position.

The Trust's assets are invested in fixed income and equity mutual funds traded on national securities exchanges. The fair value of mutual fund units traded on national securities exchanges is the last reported sales price on the last business day of the fiscal year of the Trust. Purchases and sales of mutual fund units are accounted for on the trade dates. The Trust's assets are also invested in money market funds with maturities of less than one year, reported at fair value.

d. 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, additions and deductions. 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.

e. Prior Year Comparative Information

The financial statements include certain prior year summarized comparative information, but not at the level of detail required for a presentation in conformity with accounting principles generally accepted in the United States of America. Accordingly, such information should be read in conjunction with the Trust's financial statements as of and for the year ended December 31, 2018, from which the summarized comparative information was derived.

#### 2. Plan Description

The Metropolitan Water Reclamation District's Retiree Health Care Plan (Plan) is a singleemployer 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.

The District, acting through its Board of Commissioners, serves as Trustee and Fiduciary for the Trust. 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.

#### a. Membership

Membership of the Trust consisted of the following at December 31, 2019, the date of the most recent actuarial valuation:

Inactive Plan Members Currently Receiving Benefits	1,544
Beneficiaries of Deceased Plan Members Currently Receiving Benefits	434
Inactive Plan Members Entitled to But Not Receiving Benefits	37
Active Plan Members	1,817
Total Membership	3,832

#### b. Benefits Provided

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. Such benefits are provided by the District through either a self-insured or fully-insured healthcare plan for non-Medicare eligible retirees, while Medicare eligible retirees are provided a fully-insured Medicare Advantage Plan. The benefit levels are the same as those provided to active employees. Spouses and dependents of eligible retirees are also eligible for medical coverage in accordance with the Plan. All full-time employees of the District are eligible to receive postemployment health care benefits. Coverage for retirees and their spouses and dependents is provided for life. The Trust was established to advance fund benefits provided under the Plan. The benefit terms may only be amended by the authority of the District's Board of Commissioners. All classes of employees receive the same Plan benefits.

#### c. Eligibility for Insurance Coverage

Retirees and their dependents who meet the age and service requirements are eligible for medical and prescription drug benefits payable for life, in accordance with the Plan. Employees must have at least ten actual years of service with the District, and coverage does not commence until the member begins receiving payments from the District's

Retirement Fund. District Commissioners must have at least six years of service as a Commissioner of the District. Eligibility age is based on the employee's hire date as follows: age 50 for those hired before June 13, 1997, and age 55 for those hired between June 13, 1997 and January 1, 2011, and age 63 for those hired after January 1, 2011.

d. 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 Trustee 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. Contributions by the District in excess of the employer portion of current premiums and claims costs represent advance funding in accordance with the funding policy. The District has contributed \$137,400,000 to the Trust as the advance funding amount to date.

The retiree premiums are set based on prior year claims incurred and become effective January 1st each year. The retiree contribution rate is based on the contribution rate policy established by the Board of Commissioners. This policy requires a 2.5% increase in the contribution rate on January 1st of each year until the contribution rate reaches 50.0%, projected to be in 2021. The contribution rate for 2020 will be 47.5%. In future years, contributions are assumed to increase at the same rate as premiums.

e. Retiree Health Care Benefit Costs

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

f. Administrative Costs

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

#### 3. Investments

a. Authorization

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, through its Board of Commissioners, serving as Trustee and Fiduciary 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:

- (1) To purchase and cause stocks, bonds, exchange-traded funds, 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;
- (2) 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 counsel 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;
- (3) 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
- (4) To buy, sell, convey or transfer, invest and reinvest any part of each and every kind of investment listed above in Section (1).
- b. Investment Policy

The Trust's investment policy was initially adopted on November 19, 2009, designed to control risk and provide guidance in establishing a prudent investment strategy that serves the long-term needs of the Trust and its beneficiaries. The investment policy was most recently revised on November 15, 2018 to allow for asset allocation targets that are structured to provide competitive performance while minimizing the potential for losses. The current policy allows for a range of exposure to four aggregate asset classes, including domestic equities, international equities, fixed income securities, along with money market funds and cash.

c. Concentration of Credit Risk

There are no significant investments in any one issuer that represent 5% of more of the Trust's investments.

d. Annual Money-Weighted Rate of Return

For the year ended December 31, 2019 the Trust's annual money-weighted rate of return on investments, net of investment expense, was 20.38%. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts invested.

e. 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, 2019, the Trust's investments in 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 Fund	\$ 32,584,912	42.6%	7.9
Payden Core Bond Fund	10,946,660	14.3%	8.5
Western Asset Core Plus Bond Fund	32,903,152	43.1%	13.6
		100.0%	

The Trust's net fair value of money market investment funds was \$7,393,909 as of December 31, 2019 having a weighted-average maturity of less than one year.

#### f. 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 75% 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 "BBB" by Standard and Poor's. The Trustee, at its discretion, may impose

a higher standard on an individual investment's circumstances or as investment objectives dictate. Fixed income purchases shall be limited to obligations issued or guaranteed as to principal and interest by the U.S. Government, Canadian Government, or any agency or instrumentality thereof, or to corporate and municipal issues.

As of December 31, 2019, the Trust's investments in fixed income mutual funds were not individually rated by a nationally recognized statistical rating organization.

The following are the percentages of fixed income investment portfolio securities within each credit-quality rating as of December 31, 2019:

	Fund Name				
Credit Rating (1)	Dodge & Cox Income Fund	Payden Core Bond Fund	Western Asset Core Plus Bond Fund		
AAA	57.2%	1.0%	57.6%		
AA	4.7%	53.0%	2.8%		
A	5.4%	9.0%	16.7%		
BBB	27.5%	24.0%	13.6%		
BB	5.2%	5.0%	5.6%		
В	—%	3.0%	2.0%		
Below B	—%	—%	1.7%		
Not Rated	%	5.0%	—%		
Total	100.0%	100.0%	100.0%		

(1) Provided by Morningstar, Inc. Report details the percentage of fixed-income securities that fall within each credit-quality rating as assigned by Standard & Poor's or Moody's credit rating agencies.

The Trust's investments in money market funds were not individually rated by a nationally recognized statistical rating organization as of December 31, 2019.

g. 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 25% of the fair value of the investment portfolio. As of December 31, 2019, the Trust had no investments denominated in foreign currency.

As of December 31, 2019, the Trust's investments in international equity mutual funds stated at fair value are as follows:

Fund Name	Fair Value
Fidelity International Index Fund	\$ 34,034,406
Vanguard Global Minimum Volatility	11,245,956
	\$ 45,280,362

#### h. 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, 2019, the Trust had no exposure to custodial credit risk since all investments were registered or held in the Trust's name.

i. Fair Value Measurement

GASB Statement No. 72, *Fair Value Measurement and Application*, provides guidance for determining a fair value measurement for reporting purposes and applying fair value to certain investments and disclosures related to all fair value measurements.

The Trust categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation input used to measure the fair value of the asset.

- Level 1 investments reflect quoted prices in active markets for identical assets.
- Level 2 investments reflect significant other observable inputs which include quoted prices for similar assets or liabilities in active markets; quoted prices for identical assets or liabilities in markets that are not active; or using other inputs such as interest rates and yield curves at commonly quoted intervals, implied volatilities and credit spreads or market-corroborated inputs.
- Level 3 investments are valued at significant unobservable inputs.

The carrying amount of investments and fair value hierarchy of the Trust is shown in the following schedule as of December 31, 2019:

		Fair Value Measurements Using							
Fair Value of Investments	December 31, 2019	Ac	uoted Prices in tive Markets for entical Assets (Level 1)	Ö Obs	nificant Other ervable (Level 2)	Unob	nificant servable (Level 3)		
Domestic Equity Funds	\$ 103,336,770	\$	103,336,770	\$	—	\$	—		
International Equity Funds	45,280,362		45,280,362		_		_		
Domestic Fixed Income Funds	76,434,724		76,434,724		—		—		
Money Market Funds	7,393,909		7,393,909						
Total Fair Value of Investments	\$ 232,445,765	\$	232,445,765	\$		\$			

Investments classified in Level 1 of the fair value hierarchy are valued using prices quoted in active markets for those securities. The Trust does not have Level 2 or Level 3 investments.

#### 4. OPEB Liability of the District

#### a. Net OPEB Liability

The information included in the report is based on the actuarial valuation performed as of December 31, 2019. Actuarial valuations of the total OPEB liability are required to be completed every two years for the Trust. The total OPEB liability is required to be based on updated calculations to roll-forward amounts from the most recent actuarial valuation for fiscal year-ends when an actuarial valuation is not performed. The next valuation date is December 31, 2021.

The components of the net OPEB Liability of the District as of December 31, 2019, were as follows:

Total OPEB Liability	\$ 304,722,806
Plan Fiduciary Net Position	(232,514,670)
District's Net OPEB Liability	\$ 72,208,136
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	76.30%

See the Schedule of Changes in the District's Net OPEB Liability and Related Ratios on page 22 of the required supplementary information for additional information related to the Plan.

#### b. Actuarial Assumptions

The Total OPEB Liability was determined by an actuarial valuation as of December 31, 2019, using the following actuarial methods and assumptions:

Actuarial Valuation Date Cost Method Inflation	December 31, 2019 Entry Age Normal 2.50%
Salary Increases	Varies by Service
Investment Rate of Return	6.50%
(net of investment expense, including inflation)	
Healthcare Cost Trend Rates	8.00% for fiscal year 2020, decreasing 0.75% each year to fiscal year 2024, then decreasing 0.5% to the ultimate rate of 4.5% in fiscal year 2025
Asset Valuation Method	Fair Value

For all employees, mortality rates were based on the RP-2000 combined health mortality tables with fully generational mortality improvements using scale AA, with rates for female members increased by a factor of 1.04.

The information included in the report is based on the actuarial valuation performed as of December 31, 2019. Actuarial valuations of the total OPEB liability are required to be completed every two years for the Trust. The total OPEB liability is required to be based on update calculations to roll-forward amounts from the most recent actuarial valuation for fiscal year-ends when an actuarial valuation is not performed. The next valuation date is December 31, 2021.

c. Long-Term Expected Rate of Return

The long-term expected rate of return on OPEB Plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of investment expenses and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. Best estimates of arithmetic real rates of return for each major asset class included in the target asset allocation as of December 31, 2019 are summarized in the following table:

#### Long-Term Expected Target Real Rate of Asset Class Allocation Return **Broad Fixed Income** 20.0% 3.1% **Core Plus Fixed Income** 15.0% 4.0% 35.0% **Total Fixed Income** Large-Cap Core 10.0% 7.4% 7.5% 7.5% Large-Cap Value Large-Cap Growth 7.5% 7.4% Mid-Cap Core 10.0% 7.8% Small-Cap Core 10.0% 8.1% Total U.S. Equity 45.0% 5.0% 6.9% Global Low Volatility 7.2% Non-U.S. Large-Cap Core 15.0% Total Non-U.S. Equity 20.0% **Total-All Asset Classes** 100.0%

#### FINANCIAL SECTION Year Ended December 31, 2019

The Trust's long-term expected rate of return calculated using the method described above exceeds 6.5% (assuming 2.5% inflation).

#### d. Discount Rate

The expected rate of return used to measure the total OPEB liability was 6.5%. The projection of cash flows used to determine the discount rate assumed that current District contributions will be made at the current contribution rate. The District has adopted a funding policy as of October 2, 2014 with the intention of fully funding the plan by 2026 and maintaining 100% funding thereafter. The District has shown they are following the funding policy completely and will continue to do so. Therefore, the long-term expected rate of return on investments was used to discount projected benefit payments for all projected benefit payments, and the single equivalent was 6.5%.

#### e. Rate Sensitivity

The following is a sensitivity analysis of the net OPEB liability to changes in the discount rate and to the healthcare cost trend rate.

The table below presents the Net OPEB Liability of the District calculated using the discount rate of 6.5% as well as what the District's Net OPEB Liability would be if it were calculated using a discount rate that is one percentage point lower (5.5%) or one percentage point higher (7.5%) than the current discount rate:

	Current					
	1% Decrease	D	iscount Rate		1% Increase	
	(5.5%)		(6.5%)		(7.5%)	
Net OPEB Liability	\$ 112,710,016	\$	72,208,136	\$	38,752,015	

The table below presents the Net OPEB Liability of the District calculated using the healthcare cost trend rate of 4.5% to 8.0% as well as what the District's Net OPEB Liability would be if it were calculated using a healthcare cost trend rate that is one percentage point lower (3.5% to 7.0%) or one percentage point higher (5.5% to 9.0%) than the current rate:

	Healthcare Cost						
	1% Decrease Trend Rates 1% Incre						
	(3.5% to 7.0%)	(4.5% to 8.0%)	(5.5% to 9.0%)				
Net OPEB Liability	\$ 34,930,217	\$ 72,208,136	\$ 117,400,858				

### 5. Subsequent Events

These financial statements do not include any adjustments related to the economic impact of COVID-19 (novel coronavirus). The District anticipates that there will be an impact on the valuation of the Trust's investments. The extent of the impact is currently being monitored and evaluated by the District.

**REQUIRED SUPPLEMENTARY INFORMATION** 

#### **REQUIRED SUPPLEMENTARY INFORMATION**

## SCHEDULE OF CHANGES IN THE DISTRICT'S NET OPEB LIABILITY AND RELATED RATIOS Last Three Fiscal Years

	2019	2018		2017
Total OPEB Liability				
Service Cost	\$ 5,540,295	\$ 5,314,432	\$	5,097,776
Interest	20,851,553	20,011,894		19,260,038
Differences between Expected and Actual Experience	6,818,596	_		_
Changes of Assumptions	(37,290,450)	—		—
Benefit Payments	 (12,700,092)	(12,570,679)		(13,430,657)
Net Change in Total OPEB Liability	(16,780,098)	12,755,647		10,927,157
Total OPEB Liability				
Beginning of Year	 321,502,904	308,747,257		297,820,100
End of Year	\$ 304,722,806	\$ 321,502,904	\$	308,747,257
Change in Fiduciary Net Position				
Employer Trust Contribution	\$ 5,000,000	\$ 5,000,000	\$	5,000,000
Pay-As-You-Go Contributions	12,700,092	12,570,679		13,430,657
Net Investment Income (Loss)	39,251,295	(11,840,345)		25,392,250
Benefit Payments	(12,700,092)	(12,570,679) (13,430,6		
Administrative Expense	(53,880)	(42,200)		(36,900)
Net Change in Fiduciary Net Position	 44,197,415	(6,882,545) 30,355		30,355,350
Net Position Restricted for OPEB				
Beginning of Year	 188,317,255	195,199,800		164,844,450
End of Year	\$ 232,514,670	\$ 188,317,255	\$	195,199,800
District's Net OPEB Liability	\$ 72,208,136	\$ 133,185,649	\$	113,547,457
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	 76.30%	 58.57%		63.22%
Covered Payroll	\$ 182,154,122	\$ 192,661,666	\$	184,807,353
District's Net OPEB Liability as a Percentage of Covered Payroll	 39.64%	69.13%		61.44%

#### NOTES TO SCHEDULE:

*Differences between Expected and Actual Experience* - Reflects the impact of changes to the census data from the prior valuation to the valuation as of December 31, 2017.

Changes of Assumptions - Reflected under changes of assumptions are updated health care costs and premiums, reset health care cost cost trend rates, as well as updated salary scale increase rates and retirement, termination and mortality rates.

*Discount Rate* - The Single Discount Rate used to calculate the District's Net OPEB Liability has been 6.50% since implementation of GASB 75.

This schedule will show information for ten years as the additional years' information becomes available.

### **REQUIRED SUPPLEMENTARY INFORMATION**

### SCHEDULE OF DISTRICT CONTRIBUTIONS AND RELATED NOTES

#### Last Ten Fiscal Years

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Actuarial Determined Contribution	\$ 9,585,874	\$ 11,506,823	\$ 11,506,823	\$ 12,471,893	\$ 12,471,893	\$ 13,211,937	\$ 13,211,937	\$ 27,263,684	\$ 27,263,684	\$ 39,847,021
Contributions in Relation to the Actuarial Determined Contributions*	17,700,092	17,570,679	18,430,657	19,916,860	18,316,713	33,716,523	33,834,831	35,426,215	18,020,374	15,516,965
Contribution Deficiency (Excess)	\$ (8,114,218)	\$ (6,063,856)	\$ (6,923,834)	\$ (7,444,967)	\$ (5,844,820)	\$ (20,504,586)	\$ (20,622,894)	\$ (8,162,531)	\$ 9,243,310	\$ 24,330,056
Covered Payroll	\$182,154,122	\$192,661,666	\$184,807,353	\$183,120,020	\$176,756,776	\$169,909,275	\$164,005,092	\$ 158,995,000	\$ 162,853,163	\$172,273,000
Contributions as a Percentage of Covered Payroll	9.72%	9.12%	9.97%	10.88%	10.36%	19.84%	20.63%	22.28%	11.07%	9.01%

\*Includes pay-as-you-go benefit amounts plus the cash contribution to the Trust

#### NOTES TO SCHEDULE:

Valuation date: Actuarial determined contribution rates shown above are calculated as of December 31 for the fiscal year in which contributions are reported.

Methods and assumptions used to determine contribution rates:

to determine contribution rates.	
Actuarial cost method	Entry Age Normal
Amortization method	Level Percentage of Payroll
Amortization period	30 Years
Asset valuation method	Fair Value
Discount Rate	6.5%
Inflation Rate	2.5%
Health Care Cost Trend Rate	8.00% for fiscal year 2020, decreasing 0.75% each year to fiscal year 2024, then decreasing 0.5% to the ultimate rate of 4.5% in fiscal year 2025.
Annual Payroll Growth Rate	3.0%
Disability	None assumed
Age of Spouse <sup>^</sup>	Male spouses are assumed to be 3 years older than female spouses. As defined in the Plan
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.

### **REQUIRED SUPPLEMENTARY INFORMATION**

### SCHEDULE OF INVESTMENT RETURNS Last Three Fiscal Years

	2019	2018	2017
Covered Payroll	\$ 182,154,122	\$ 192,661,666	\$ 184,807,353
Annual Money-Weighted Rate of Return, Net of Investment Expense	20.38%	-5.91%	15.06%

This schedule will show information for ten years as the additional years' information becomes available.

## SUPPLEMENTARY INFORMATION

#### SUPPLEMENTARY INFORMATION

#### SUMMARY SCHEDULE OF ADMINISTRATIVE EXPENSES

	Dec	Year Ended ember 31, 2019	Year Ended December 31, 2018		
Professional Services					
Audit	\$	32,200	\$	35,500	
Legal - Documents Review		15,000		—	
Fiduciary insurance		6,680		6,700	
Total Administrative Expenses	\$	53,880	\$	42,200	

#### SUMMARY SCHEDULE OF INVESTMENT FEES

	Year Ended December 31, 2019		Year Ended ember 31, 2018
Investment Consulting Fees	\$ 55,000	\$	55,000

## INVESTMENT SECTION

#### INVESTMENT CONSULTANT REPORT



180 North LaSalle Street, Suite 3500 Chicago, IL 60601

March 23, 2020

To the Members of the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago Trustee and Fiduciary for the MWRD Retiree Health Care Trust 100 East Erie Street Chicago, IL 60611-2829

Marquette Associates ("Marquette") is the independent investment consultant for the Metropolitan Water Reclamation District Retiree Health Care Trust ("Trust"). Marquette is responsible for the implementation of the Trust's allocation, trustee education, the recommendation and monitoring of investment managers as well as investment performance analysis. Marquette calculates and reports performance returns using a time-weighted rate of return methodology.

#### **Investment Policy**

The Trust's investment policy was initially adopted on November 19, 2009 and most recently revised on November 15, 2018 to allow for new asset allocation targets structured to provide competitive performance while minimizing the potential for losses. The policy allows for a range of exposures to four aggregated asset classes as follows:

Asset Class	Benchmark Fund Asset Mix					
	Minimum	Normal	Maximum			
Domestic Equities	40%	45%	50%			
International Equities	15%	20%	25%			
Fixed Income Securities (Bonds)	30%	35%	40%			
Cash/Cash Equivalents (Money Market)	0%	<1%	100%			

#### Investment Portfolio Activities

Investments are made in accordance with the guidelines stated within the Trust's investment policy. In 2019, \$5.0 million was contributed to the Trust along with interest, dividends and capital appreciation of \$39.3 million generated by the underlying funds. Total District contributions to the Trust have aggregated to \$137.4 million as of year-end 2019. Trust holdings in investments at year-end 2019 were valued at \$232.5 million. Investments of the Trust are stated at fair value at the last reported sales price on the last business day for the fiscal year of the Trust.

The assumed actuarial rate of return for the Trust is 6.5%. In 2019, the Trust returned 20.5% net of fees. Over the same period, the policy index returned 18.6%. At the end of 2019, the Trust's Policy index was comprised of approximate weightings in the following indices: Bloomberg Barclays U.S. Aggregate Index (45.0%), MSCI ACWI Global Min Vol (10.0%), Russell 3000 Index (30.0%), and MSCI EAFE Index (15.0%).

2019 began with both the Fed and ECB signaling no further hikes as the U.S. yield curve was inverted on the very short end. The trade war was in full swing. By the end of 1Q19, yield curve inversion intensified, and the Fed signaled impending rate cuts as a response. In the second quarter there was a bifurcation in the markets as bond markets showed pessimism with yields pushing down as the 10-year - which began the year at 2.66% - tumbled to 2.00% by the middle of the year. In the third quarter, with no end in sight for the tariff war, global growth continuing to slow, Argentina's shift to populism, and inversion in the 2s/10s, the Fed cut rates twice as the 10-year bottomed at 1.47%. Finally, in the fourth quarter the Fed cut a third time and the 10-year rebounded to 1.92% at year-end with a steepening curve due to brightening trade deal hopes. The Fed rate cuts reduced yields on the short end of the yield curve, while the trade war drove both foreign and domestic buying on the long end. The end result was a duration-driven tailwind for all fixed income asset classes, with the full brunt of the tax cuts aiding credit. Bonds generally did very well. The Agg returned 8.7% in 2019 as bank loans returned 8.2%, high yield returned 14.3% and emerging markets debt returned 15.0%.

The Trust ended 2019 with a 32.9% allocation to fixed income; net of fees, the fixed income composite returned 10.5% versus the benchmark (Bloomberg Barclays U.S. Aggregate Index) which returned 8.7% during the year.

U.S. equities ended the year near all-time highs amid declining earnings, decelerating economic data, and minimal progress on U.S.-China trade negotiations. 2019 began with a strong rebound after nearly hitting bear market territory in December 2018. As measured by the S&P 500, equities recorded their best January performance since 1987 and best first quarter return since 1998.

Concern regarding a global economic slowdown began to take effect in the second quarter; however, the Fed's late-cycle dovish pivot and three interest rate cuts over the span of 2019 helped to provide a more supportive backdrop. Domestic equities continued their rise during the remainder of 2019 and finished with an exuberant year-end showing, posting 22 of 35 total new closing highs during the 4th quarter alone.

The OPEB Plan ended the year with a 44.5% allocation to U.S equities; net of fees, the U.S equities composite returned 29.1% versus the benchmark (Russell 3000 Index) which returned 31.0%.

#### **INVESTMENT SECTION**

After a weak 2018 performance, when most broad benchmarks produced double-digit losses, non-U.S. equities snapped back with double-digit gains in 2019. Developed markets (22.0%) outperformed emerging markets (18.4%). Macro-risk factors continued to hang over global equity markets. The Brexit drama dragged on and took out former Prime Minister May in the first half of the year. The outlook for a U.S.-China trade deal seemed to change week to week, whipping investor sentiment from positive to negative and back again. Given these issues, the strong performance seems surprising. However, markets sold off dramatically in 2018, leading to attractive valuations at the start of the year. Additionally, central banks throughout the globe pivoted to more accommodative polices, giving investors hope for a rebound in global economic momentum.

The Trust ended 2019 with a 19.5% allocation to Non-U.S. equities; net of fees, the Non-U.S. equity composite had a 22.2% return versus the benchmark (MSCI EAFE Index) which returned 22.0%.

2019 was certainly a profitable year for investors as most risk-seeking and defensive asset classes delivered positive returns - a stark contrast to the environment in 2018. As we enter 2020, there are a litany of questions facing global markets ranging from the COVID-19 pandemic, the U.S. election, trade disputes and global monetary policy, all of these factors will undoubtedly influence investment returns.

As we enter the new decade, the Trust continues to be diversified, highly liquid and transparent.

Sincerely,

Kweku Obed, CFA, CAIA

# **INVESTMENT SECTION**

# TABLE 1

INVESTMENT PORTFOLIO ACTIVITY

Beginning Balance January 1, 2019	\$188.3 million
Contributions	\$5.0 million
Interest & Dividends	\$5.4 million
Net Capital Appreciation	\$33.8 million
Ending Balance December 31, 2019	\$232.5 million
Time Weighted Return	20.48%

# TABLE 2TIME WEIGHTED RETURNS OF INVESTMENTSAnnualized Performance (Net of Fees as of December 31, 2019)

	Asset Class	Ticker	1 Year	3 Years	5 Years	Inception Return	Since
Total Fund Composite Policy Index			20.48% 18.55%	9.28% 8.26%	6.64% 6.15%	7.95% 7.81%	2010-April 2010-April
Total Fixed Income Composite			10.49%	4.93%	4.07%	4.31%	2010-April
BBgBarc US Aggregate TR			8.72%	4.03%	3.05%	3.66%	2010-April
Payden Core Bond Fund	Broad Fixed Income	PYCBX	9.27%	4.33%	3.48%	4.10%	2010-April
BBgBarc US Int TR			6.67%	3.26%	2.59%	3.05%	2010-April
Dodge & Cox Income Fund	Broad Fixed Income	DODIX	9.74%	4.52%	3.69%	4.31%	2010-April
BBgBarc US Int TR			6.67%	3.26%	2.59%	3.05%	2010-April
Western Asset Core Plus Institutional	Core Plus Fixed Income	WACPX	12.31%	5.75%	N/A	5.10%	2015-July
BBgBarc US Aggregate TR			8.72%	4.03%	3.05%	3.42%	2015-July
Total Equity Composite			26.94%	12.87%	8.77%	10.42%	2010-April
Total Equity Benchmark			28.02%	12.95%	9.44%	10.64%	2010-April
U.S. Equity Composite			29.13%	13.29%	10.40%	12.29%	2010-April
Russell 3000			31.02%	14.57%	11.24%	13.11%	2010-April
Fidelity 500 Index Institutional Class	Large Cap Core	FXAIX	31.47%	15.37%	11.76%	12.31%	2014-Aug
S&P 500			31.49%	15.27%	11.70%	12.26%	2014-Aug
LSV Value Equity Institutional	Large Cap Value	LSVEX	25.18%	8.16%	7.71%	8.20%	2014-Oct
Russell 1000 Value			26.54%	9.68%	8.29%	8.88%	2014-Oct
Fidelity Contrafund	Large Cap Growth	FCNTX	29.97%	18.92%	13.10%	13.92%	2010-April
Russell 1000 Growth			36.39%	20.49%	14.63%	15.10%	2010-April
Fidelity Mid Cap Index Institutional	Mid Cap Core	FSMDX	30.51%	12.03%	N/A	9.84%	2015-July
Russell MidCap			30.54%	12.05%	9.33%	9.85%	2015-July
Vanguard Small Cap Index Institutl	Small Cap Core	VSCIX	27.39%	10.32%	8.89%	12.10%	2010-April
CRSP US Small Cap TR USD			27.35%	10.31%	8.86%	12.30%	2010-April
Non-U.S. Equity Composite			22.20%	11.12%	4.82%	5.80%	2010-April
MSCI EAFE			22.01%	9.56%	5.67%	5.55%	2010-April
Fidelity International Index Institutl	Non-U.S. Large-Cap	FSPSX	22.00%	N/A	N/A	4.39%	2017-Sept
MSCI ACWI ex USA			21.51%	9.87%	5.51%	4.78%	2017-Sept
Vanguard Global Min Volatility Admr	Global Tactical Balanced	VMNVX	22.66%	N/A	N/A	15.79%	2018-Nov
FTSE Global All Cap			21.05%	12.01%	9.18%	15.73%	2018-Nov
Cash Composite			1.93%	1.43%	0.85%	0.75%	2014-May
91 Day T-Bills			2.07%	1.64%	1.05%	0.93%	2014-May
FIMM Government Class I	Cash & Equivalents	FIGXX	2.71%	N/A	N/A	1.77%	2017-Mar
91 Day T-Bills			2.07%	1.64%	1.05%	1.71%	2017-Mar
Fidelity Governement Money Market	Cash & Equivalents	SPAXX	1.65%	1.67%	1.01%	0.89%	2014-May
91 Day T-Bills			2.07%	1.64%	1.05%	0.93%	2014-May

Policy Index: 30.0% Russell 3000, 15.0% MSCI EAFE (Net), 45.0% Barclays US Aggregate, 10.0% MSCI ACWI Global Minimum Volatility Index

Total Equity Benchmark: 67% Russell 3000, 33% MSCI EAFE

#### TABLE 3 TIME WEIGHTED RETURNS OF COMPOSITES Annualized Performance (Net of Fees as of December 31, 2019)

	1 Year	3 Years	5 Years	Inception Return	Since
Total Fund Composite	20.48%	9.28%	6.64%	7.95%	2010-April
Policy Index	18.55%	8.26%	6.15%	7.81%	2010-April
Total Fixed Income Composite	10.49%	4.93%	4.07%	4.31%	2010-April
Barclay's U.S. Aggregate Bond Index	8.72%	4.03%	3.05%	3.66%	2010-April
Total Equity Composite	26.94%	12.87%	8.77%	10.42%	2010-April
Total Equity Benchmark	28.02%	12.95%	9.44%	10.64%	2010-April
U.S. Equity Composite	29.13%	13.29%	10.40%	12.29%	2010-April
Russell 3000 Index	31.02%	14.57%	11.24%	13.11%	2010-April
Non-U.S. Equity Composite	22.20%	11.12%	4.82%	5.80%	2010-April
MSCI EAFE Index	22.01%	9.56%	5.67%	5.55%	2010-April
Cash Composite	1.93%	1.43%	0.85%	0.75%	2014-May
91 Day T-Bills	2.07%	1.64%	1.05%	0.93%	2014-May

Policy Index: 30% Russell 3000, 15% MSCI EAFE (Net), 45% Barclays US Aggregate, 10% MSCI ASCI Global Minimum Volatility Index

Total Equity Benchmark: 67% Russell 3000, 33% MSCI EAFE

#### 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, acting through its Board of Commissioners, serving as Trustee and Fiduciary 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, 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 counsel for the acts done in good faith and in reliance upon the advice of such agents, advisors and legal counsel, provided it has used reasonable care in selecting such agents, advisors and legal counsel;
- (c) To exercise where applicable and appropriate any rights of ownership in any contracts of insurance in which any part of the Trust may be invested and to pay the premiums thereon; and
- (d) To buy, sell, convey or transfer, invest and reinvest any part of each and every kind of investment listed above in Section (a).

## **OUTLINE OF INVESTMENT POLICIES**

In accordance with state Statute 70 ILCS 2605/9.6d, "To the extent participants do not direct the investment of their own account, the assets of the OPEB Trusts shall be managed by the Treasurer of the District in any manner, subject only to the prudent investor standard and any requirements of applicable federal law. The limitations of any other statute affecting the investment of District funds shall not apply to the OPEB Trust. The Trustee shall adopt an investment policy consistent with the standards articulated in Section 2.5 of the Public Funds Investment Act." The Investment Policy for the Trust was initially approved by the District's Board of Commissioners on November 19, 2009 and was most recently revised on November 15, 2018.

#### **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 in accordance with the Trust's strategy. The Trust's investment policy allows for asset allocation targets that are structured

to provide competitive performance while minimizing the potential for losses. The asset allocation targets for the Trust are as follows:

	Fund Asset Mix					
Asset Class	Minimum	Normal	Maximum			
Domestic Equities	40%	45%	50%			
International Equities	15%	20%	25%			
Fixed Income Securities (Bonds)	30%	35%	40%			
Cash and Money Market Funds	0%	<1%	100%			

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

A blended benchmark has been designated for evaluation of the performance of the Trust's investment account. Appropriate individual benchmarks are used for evaluation of underlying investments based on their respective investment style categories. The blended benchmark for evaluation of the Trust account's performance is a mix of the Russell 3000 Index (30.0%), MSCI EAFE Index (15%), Barclay's U.S. Aggregate Bond Index (45.0%), and MSCI ACWI Global Minimum Volatility Index (10%).

#### **INVESTMENT ALLOCATION**

Investment by the Trust is undertaken through investment custodial accounts. Through December 31, 2019, the Trust's cumulative contributions of \$137.4 million along with accumulated distributions have been invested in accordance with the Trust's strategy. All investments are in mutual funds and money market funds.

Asset Class	Actual Asset Allocation 2019	Actual Asset Allocation 2018	Target Allocation 2019
Domestic Equity	45%	42%	45%
International Equity	19%	19%	20%
Domestic Fixed Income	33%	37%	35%
Money Market Funds & Cash	3%	2%	<1%
Total	100%	100%	100%

As of December 31, 2019 and 2018, the Trust's asset allocations at fair value are as follows:

Per the Investment Policy, "The Trust may maintain cash reserves in money market securities. For temporary, defensive purposes, the Trust may invest without limitation in cash reserves. A reserve position provides flexibility in meeting redemptions, expenses, and the timing of new investments, and serves as a short-term defense during periods of unusual volatility. In situations where the Trustee determines that the divestiture of an asset class is necessary to protect the valuation, safety, or liquidity of the portfolio, amounts may temporarily exceed the maximum asset mix limit."

#### 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 ended December 31, 2019, was 20.48%, compared to the Trust's Policy Index return of 18.55%.

The investment rate of return on invested assets for the year ended December 31, 2018, was -5.87%, compared to the Trust's Policy Index return of -3.49%.

# **INVESTMENT SECTION**

# **INVESTMENT ASSETS**

	December 3	1, 2019	December 31, 2018			
	Fair Value	lue Percent		air Value	Percent	
Domestic Equity Funds						
Fidelity 500 Index Fund	\$ 24,138,694	10.5%	\$	17,873,532	9.5%	
Fidelity Contrafund	17,523,722	7.5%		12,727,791	6.8%	
Fidelity Mid Cap Index Fund	22,881,588	9.8%		17,779,753	9.4%	
LSV Value Equity Institutional	16,330,301	7.0%		12,275,223	6.5%	
Vanguard Small Cap Index Institutional	22,462,465	9.7%		17,891,861	9.5%	
Total Domestic Equity Funds	103,336,770	44.5%		78,548,160	41.7%	
International Equity Funds						
Fidelity International Index Fund	34,034,406	14.6%		27,245,486	14.5%	
Vanguard Global Minimum Volatility	11,245,956	4.8%		8,854,051	4.7%	
Total International Equity Funds	45,280,362	19.4%		36,099,537	19.2%	
Domestic Fixed Income Funds						
Dodge & Cox Income Fund	32,584,912	14.0%		29,424,512	15.6%	
Payden Core Bond Fund	10,946,660	4.7%		9,837,017	5.2%	
Western Asset Core Plus Bond Fund	32,903,152	14.2%		29,927,508	16.0%	
Total Domestic Fixed Income Funds	76,434,724	32.9%		69,189,037	36.8%	
Money Market Funds	 7,393,909	3.2%		4,399,543	2.3%	
Total Investments at Fair Value	\$ 232,445,765	100.0%	\$	188,236,277	100.0%	

#### **INVESTMENT ANALYTICS**

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

	Year Ended 12/31/2019 (1)	Year Ended 12/31/2018 (2)	Three Years Ended 12/31/2019	Five Years Ended 12/31/2019
Trust's Total Portfolio	20.48%	-5.87%	9.28%	6.64%
Trust's Policy Index	18.55%	-3.49%	8.26%	6.15%
(30% Russell 3000 Index; 15% MSCI EAFE Index; 45% Barclays U.S. Aggregate Bond Index; 10% MSCI ACWI Global Minimum Volatility Index)				
Trust's Equity Composite	26.94%	-8.82%	12.87%	8.77%
67% Russell 3000; 33% MSCI EAFE	28.02%	-8.06%	12.95%	9.44%
Domestic Equity Composite	29.13%	-7.96%	13.29%	10.40%
Russell 3000 Index	31.02%	-5.24%	14.57%	11.24%
International Equity Composite	22.20%	-12.96%	11.12%	4.82%
MSCI EAFE Index	22.01%	-13.79%	9.56%	5.67%
Trust's Fixed Income Composite	10.49%	-0.99%	4.93%	4.07%
Barclay's U.S. Aggregate Bond Index	8.72%	0.01%	4.03%	3.05%

- (1) The increase in value of invested assets was 23.49% for the year ended December 31, 2019. The return on invested assets using the Modified Dietz approach was 20.48%. The disparity between the percentage return on investments and the increase in asset value reflects the impact and timing of the \$5,000,000 advance funding contribution made during the year.
- (2) The decrease in value of invested assets was -3.54% for the year ended December 31, 2018. The return on invested assets using the Modified Dietz approach was -5.87%. The disparity between the percentage return on investments and the decrease in asset value reflects the impact and timing of the \$5,000,000 advance funding contribution made during the year.

History of Investment Yields at Fair Value

#### **INVESTMENT SECTION**

Years E	Ending	December 3 <sup>4</sup>	1					
Year	Inve	sted Assets		ld at rket	Tru	st's Policy Index	Notes	
2019	\$ 2	232,445,765	20.	48%		18.55%		
2018		188,236,277	-5.	87%		-3.49%		
2017		195,140,843	15.	06%		11.53%		
2016		164,772,053	6.	90%		5.69%		
2015		149,237,550	-1.	39%		0.47%		
2014		146,317,546	4.	87%		6.34%		
2013		120,681,050	16.	29%		16.47%		
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)	

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

Summary Schedule of Investment Fees						
Years Ending December 31	2019	2018				
Investment Consulting Fees	\$ 55,000	\$ 55,000				

#### **ACTUARIAL SECTION**

#### ACTUARIAL CERTIFICATION LETTER



April 1, 2020

To the Members of the Board of Commissioners of the Metropolitan Water Reclamation District of Greater Chicago Trustee and Fiduciary for the MWRD Retiree Health Care Trust 100 East Erie Street Chicago, IL 60611-2829

The Metropolitan Water Reclamation District of Greater Chicago ("MWRD") retained Foster & Foster Consulting Actuaries Inc. to provide all necessary schedules required to comply with the Governmental Accounting Standards Board No. 74 ("GASB 74") and No. 75 ("GASB 75") for the Retiree Health Care Benefit Plan ("the Plan"). The GASB 74 and 75 results are applicable for MWRD's fiscal years ending December 31, 2019 and December 31, 2020, respectively. The schedules related to GASB 74 can be found in the Notes to the Basic Financial Statements and Required Supplementary Information.

Actuarial calculations under GASB 74 and 75 are for purposes of fulfilling MWRD's financial accounting requirements. The calculations contained herein have been made on a basis consistent with our understanding of GASB 74 and 75.

The valuation has been conducted in accordance with all applicable federal laws and regulations, as well as generally accepted actuarial principles and practices, including the applicable Actuarial Standards of Practice as issued by the Actuarial Standards Board; specifically No. 6 for Measuring Retiree Group Benefit Obligations, No. 23 for Data Quality, No. 27 for Selection of Economic Assumptions for Measuring Pension Obligations, and No. 35 for Selection of Demographic and Other Noneconomic Assumption reflect the client's best estimate of the Plan's future experience solely with respect to that assumption. In our opinion, the assumptions and methods used in this valuation, as adopted by the District, represent reasonable expectations of anticipated plan experience under GASB 74 and 75.

The total OPEB liability and certain sensitivity information shown in this report are based on an actuarial valuation performed as of December 31, 2019. It is our opinion that the assumptions and methods used for this valuation and funding purposes are internally consistent, reasonable, and comply with the requirements under GASB 74 and 75, as well as the guidance set by Actuarial Standards of Practice as issued by the Actuarial Standards Board.

The measurements shown in this actuarial valuation may not be applicable for other purposes. Future actuarial measurements may differ significantly from the current measurements presented in this report due to factors such as the following: plan experience differing from that anticipated

by the economic or demographic assumptions; changes in economic or demographic assumptions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period); and changes in plan provisions or applicable law. Due to the limited scope of this report an analysis of the potential range of such future measurements has not been performed.

This report was prepared for the internal use of Metropolitan Water Reclamation District in connection with our actuarial valuation of the Plan for the purpose noted above and not for reliance by any other person. Foster & Foster Consulting Actuaries, Inc. 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 familiar with the immediate and long-term aspects of OPEB valuations, 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" related to postretirement medical and life insurance plans. All the sections of this report are considered an integral part of the actuarial opinions.

To our knowledge, the individuals involved in this engagement have no relationship that may impair, or appear to impair, the objectivity of our work.

Respectfully submitted, Foster & Foster, Inc

keson S. Fun By:

Jason L. Franken, FSA, EA, MAAA

Colleen III. Atchison By:

Plachta, ASA. MAAA

By:

#### 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 District, acting through its BOC, 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 mainly based on the actuarial valuation performed as of December 31, 2019. An actuarial valuation is required to be performed biennially for the Trust. For the years in which a valuation is not performed, the total OPEB liability is required to be based on updated calculation procedures to roll-forward amounts from the most recent actuarial valuation for fiscal year-ends when an actuarial valuation is not performed. The next actuarial valuation date is December 31, 2021.

The BOC has discretionary authority to determine contribution amounts to be paid into the OPEB Trust Fund. In 2007 the District adopted an initial OPEB advance funding policy meant to (i) improve the District's financial position by reducing the amount of future employer contributions and (ii) serve to establish a reserve to help ensure the financial ability to provide healthcare coverage for District retirees and annuitants in the future. The funding policy was amended on October 2, 2014 to change the target funding level from 50% to 100%; remaining advance funding period from 50 years to 12 years; and, advance funding amount of \$5 million to be contributed in each of the twelve years 2015 through 2026. No further advance funding contributions are expected after 2026. Beginning in 2027, cash is expected to be withdrawn from the Trust to fund claims and insurance premiums will be actuarially determined with a target funding level to be maintained at 100 percent for all future years. Through December 31, 2019, \$137.4 million has been contributed by the District to the OPEB Trust Fund. 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 year 2019 the District funded an excess of \$8,114,218 of the Trust's Actuarial Determined Contribution amount of \$9,585,874.

#### 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 Entry Age Normal method. Under this cost method, the actuarial present value of the projected benefits of each member included in the valuation is assumed to be funded by annual installments, equal to a level percent of the member's earnings for each year between entry age and assumed exit age. The normal cost for the member for the current year is equal to the portion of the value so determined, assigned to this year. The normal cost for the Plan for the year is the sum of the normal costs of all active members.

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

Dates of adoption: The initial cost method and all other actuarial assumptions were adopted January 1, 2007. The initial mortality rate 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). Currently the Mortality Rate is determined using the "RP-2000 Combined Healthy Mortality Table with Generational Mortality Improvements (Scale AA)", with female rates adjusted by a factor of 1.04. Effective December 31, 2015, the actuarial cost method was changed from the Projected Unit Credit method to the Entry Age Normal method to better reflect anticipated experience.

The following outlines the changes since the prior valuation:

- The census data reflects changes in status in status for the twenty-four-month period since December 31, 2017.
- The annual per capita claims costs have been updated to reflect recent claims experience. The premium rates have also been updated to use the rates effective for fiscal year 2020.
- Salary increase rates have updated to match rates developed in the 2018 Experience Study of the Metropolitan Water Reclamation District Retirement Fund.
- Retirement, withdrawal and mortality rates have been updated to rates recommended in the 2018 Experience Study of the Metropolitan Water Reclamation District Retirement Fund.
- Trend rates have been reset to use an initial trend rate of 8.0% in fiscal year 2020, grading down to 4.5% in fiscal year 2025.

Below are the most significant actuarial assumptions:

Valuation date	December 31, 2019
Actuarial cost method	Entry Age Normal
Amortization method	Level Percentage of Payroll
Amortization period	30 Years
Asset valuation method	Fair Value
Discount Rate	6.5%
Inflation Rate	2.5%
Health Care Cost Trend Rate	8.00% for fiscal year 2020, decreasing 0.75% each year to fiscal year 2024, then decreasing 0.5% to the ultimate rate of 4.5% in fiscal year 2025
Annual Payroll Growth Rate	3.0%
Disability	None assumed
Age of Spouse <sup>^</sup>	Males spouses assumed to be 3 years older than female spouses. Aas defined in the Plan
Coverage at	90% of future eligible service retirees are assumed to elect coverage at retirement. 76% of active employees are assumed to have single plus spouse coverage at retirement.
Dependent children	No children are assumed to be covered at retirement.
Medicare eligibility	100% of members are assumed to enroll in Medicare if eligible and hired on or after April 1, 1986. 93% of members are assumed to enroll in Medicare if eligible and hired prior to April 1, 1986.

#### Summary of Participant Information

All employees of the District, with at least 10 years of service, are eligible to receive 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 post-retirement benefits	543
Not yet eligible for post-retirement benefits	1,274
Total	1,817
Retirees, Survivors, and Dependents	
Retirees and Survivors <sup>^</sup>	1,978
Dependent Spouses^	926
Total	2,904
Total participants	4,721
Active participant characteristics	
Average age of actives	49.9
Average age at employment	37.0
Average past service	12.9
Average age of inactive participants	72.6
*participant data determined as of December 31	2019

\*participant data determined as of December 31, 2019 ^as defined in the Plan

Retirees and their dependents who meet the age and service requirements are eligible for medical and and prescription drug benefits payable for life, in accordance with the Plan. Employees must have at least ten years of actual service with the District, and coverage does not commence until the member begins receiving payments from the District's Retirement Fund. District Commissioners must have at least six years of service as a Commissioner of the District. Eligibility age is based on the employee's hire date as follows: age 80 for those hired before June 13, 1997, and age 55 for those hired between June 13, 1997 and January 1, 2011, and age 63 for those hired after January 1, 2011.

#### **Retiree Annual Contributions**

The following annual retiree contribution rates are effective July 1, 2019 through June 30, 2020:

		H	MO		PPO					
		Without		With		Without		With		
All Retirees	Ν	ledicare	Ν	ledicare	Ν	ledicare	Ν	ledicare		
Benefit Recipient:										
Pre-65	\$	4,178	\$	4,178	\$	6,371	\$	6,371		
Post-65		4,178		1,408		6,371		1,408		
Dependent Spouses^:										
Pre-65		3,643		3,643		6,371		6,372		
Post-65		3,643		1,408		6,371		1,408		
^as defined in the Plan										

#### Withdrawal Rates

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

	Male	Female
Service	Rate	Rate
0	5.00%	7.75%
1	3.50	6.75
2	3.50	5.75
3	2.60	4.75
4	2.24	4.52
5	2.15	4.49
6	1.75	4.19
7	1.70	3.94
8	1.65	3.74
9	1.55	3.54
10	1.55	3.34
11	1.55	3.14
12	1.45	2.94
13	1.40	2.85
14	1.35	2.52
15	1.20	2.52
16+	1.00	2.52

#### **Retirement Rates**

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

Age	Retirement Rate
50-59	7%
60	20
61-64	10
65	15
66	18
67	25
68	15
69	30
70	35
71-74	20
75	100

#### Annual Per Capita Claims

The claims tables for the 2019 valuation have been developed by calculating the weighted average of the 2019 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.

		н	мо			PPO						
		With	V	Vithout		With	Without					
Age	N	ledicare	e <u>Medicare</u>		Medicare		Μ	ledicare				
40	\$	5,438	\$	5,438	\$	7,273	\$	7,273				
45		6,615		6,615		8,849		8,849				
50		8,049		8,049		10,766		10,766				
55		9,793		9,793		13,099		13,099				
60		11,915		11,915		15,937		15,937				
65		—		14,498		—		19,388				
70		—		16,807		—		22,477				
75		—		19,483		—		26,057				
80		—		21,511		—		28,769				
85+		_		23,751		—		31,764				

#### 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
2020	8.00%
2021	7.25
2022	6.50
2023	5.75
2024	5.00
2025 and later	4.50

#### ANALYSIS OF FUNDING AND FINANCIAL EXPERIENCE

Reconciliation of the Change in Unfunded Net OPEB Liability

(in thousands)	
Unfunded Net OPEB Liability as of December 31, 2017	\$ 113,547
Expected Unfunded Net OPEB Liability as of December 31, 2019	\$ 129,477
1. Changes in Census Data	6,819
2. Claims Costs and Premiums significantly lower than expected	(54,594)
3. Updated Trend Rate assumption	15,697
<ol><li>Updated Salary Scale to align with pension experience study</li></ol>	548
5. Updated decrements to align with with pension experience study	297
6. Updated enrollment assumption to align with actual retiree elections	761
7. Investment Return greater than expected	(26,797)
Net Decrease in Unfunded Net OPEB Liability	(57,269)
Unfunded Net OPEB Liability as of December 31, 2019	\$ 72,208

- 1. The census data reflects changes in the census information for the twenty-four (24) month period since December 31, 2017. The increase in the Unfunded Net OPEB Liability over expected can be attributed to an increase in the covered population.
- 2. Medical claims costs and premiums were both lower than expected by approximately 7-8%. The impact of lower costs is magnified, as the liability is the net result of total costs, offset by retiree contributions. Additionally, the explicit subsidy is lower due to lower premiums, further decreasing the liability.
- 3. The updated trend rate assumption reflects a shift of the trend rate schedule forward two years, such that the initial year fiscal 2020 rate is 8.0%. The ultimate rate remains at 4.5%.
- 4. The assumed rate of salary increases was updated to align with the pension experience study dated September 26, 2018.
- 5. The retirement and termination decrements were updated to align with the pension experience study dated September 26, 2018.
- 6. The assumed retiree medical plan enrollment for future retirees was updated to align with current retiree medical plan elections.

Note: Actuarial valuations are required to be completed every two years. The most recent actuarial valuation was as of December 31, 2019.

#### SOLVENCY TEST

Actuarial Valuation Date	F	et Position Restricted or OPEB (a)	 otal OPEB Liability (b)	١	Net OPEB Liability (b-a)	Plan Fiducia Net Position a % of the Tota OPEB Liabili (a/b)	s a al
12/31/2019	\$	232,515	\$ 304,723	\$	72,208	76.309	%
12/31/2018		188,317	321,503		133,186	58.579	%
12/31/2017		195,200	308,747		113,547	63.229	%
12/31/2015		149,329	286,646		137,317	52.109	%
12/31/2013		120,883	260,364		139,481	46.439	%
12/31/2011		54,996	394,676		339,680	13.939	%

The Actuarial Assumptions were determined as part of the actuarial valuation at December 31, 2019. An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2021. Beginning in 2018, for the years in which a valuation is not completed, a required roll-forward calculation is completed from the latest actuarial valuation to compute the updated Net OPEB liability.

# SCHEDULE OF ACTIVE MEMBER VALUATION DATA

Actuarial Valuation Date		12/31/2019		12/31/2017		12/31/2015		12/31/2013	12/31/2011
Members in Service		1,817		1,835		1,836		1,875	1,893
% Change		(0.98)%		(0.05)%		(2.08)%		(0.95)%	(9.64)%
Covered Payroll	\$18	32,154,122	\$1	184,807,353	\$1	176,756,776	\$1	64,005,092	\$ 162,853,163
% Change		(1.44)%		4.55 %		7.78 %		0.71 %	(4.42)%
Average Salary	\$	100,250	\$	100,712	\$	96,273	\$	87,469	\$ 86,029
% Change		(0.46)%		4.61 %		10.07 %		1.67 %	5.77%
Payroll Growth Assumption		3.60 %		3.60 %		3.60 %		3.60 %	3.60%

# **ACTUARIAL SECTION**

#### SCHEDULE OF RETIREES AND BENEFICIARIES ADDED TO AND REMOVED FROM ROLLS

Actuarial Valuation Date	12/31/2019	12/31/2017	12/31/2015	12/31/2013	12/31/2011
Beginning of Year Balance	1,984	2,003	1,964	1,977	1,900
Number Added to Rolls	177	172	217	118	221
Benefit Cost	\$ 1,115,631	\$ 1,164,268	\$ 1,442,616	\$ 831,192	\$ 1,679,158
Number Removed from Rolls	146	191	178	131	144
Benefit Cost	\$ 920,238	\$ 1,292,879	\$ 1,183,344	\$ 922,764	\$ 1,094,112
End of Year Balance	2,015	1,984	2,003	1,964	1,977
Health Care Annual Benefit	\$ 12,700,092	\$ 13,430,657	\$ 13,316,713	\$ 13,834,831	\$ 15,020,374
Average Annual Benefit	\$ 6,303	\$ 6,769	\$ 6,648	\$ 7,044	\$ 7,598
Increase (Decrease) in Average Benefit	(6.88)%	1.82 %	(5.62)%	(7.29)%	(1.07)%

#### 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 Valuation Date	Eligible	Not Yet Eligible	Retirees and Beneficiaries	Total	% Active to Retirees
12/31/2019	543	1,274	1,978	3,795	92%
12/31/2017	590	1,245	1,943	3,778	94%
12/31/2015	555	1,281	1,962	3,798	94%
12/31/2013	528	1,347	1,964	3,839	95%
12/31/2011	479	1,414	1,977	3,870	96%

Retirees and Beneficiaries									
Actuarial Valuation Date	Employee	Surviving Spouse^	Child	Total					
12/31/2019	1,544	434	0	1,978					
12/31/2017	1,505	438	0	1,943					
12/31/2015	1,504	458	0	1,962					
12/31/2013	1,480	484	0	1,964					
12/31/2011	1,471	506	0	1,977					
^as defined in the Plan									

Note: An actuarial valuation is required to be performed biennially for the Trust. The next valuation date is December 31, 2021.

# STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION Last Ten Years

	Year Ended 2019	Year Ended 2018	Year Ended 2017	Year Ended 2016	Year Ended 2015	
Additions:						
Contributions by Employer	\$ 17,700,092	\$ 17,570,679	\$ 18,430,657	\$ 19,916,860	\$ 18,316,713	
Total Contributions	17,700,092	17,570,679	18,430,657	19,916,860	18,316,713	
Net Appreciation (Depreciation)						
in Fair Value of Investments	33,868,070	(16,588,686)	21,208,737	6,576,376	(5,301,623)	
Interest and Dividends	5,438,225	4,803,341	4,225,263	4,013,404	3,333,594	
Total Investment Return (Loss)	39,306,295	(11,785,345)	25,434,000	10,589,780	(1,968,029)	
Less Investment Expenses	(55,000)	(55,000)	(41,750)	(42,000)	(42,000)	
Net Investment Income (Loss)	39,251,295	(11,840,345)	25,392,250	10,547,780	(2,010,029)	
Total Additions	56,951,387	5,730,334	43,822,907	30,464,640	16,306,684	
Deductions:						
Retiree Health Care Benefits	12,700,092	12,570,679	13,430,657	14,916,860	13,316,713	
Administrative Expenses	53,880	42,200	36,900	32,254	35,674	
Total Deductions	12,753,972	12,612,879	13,467,557	14,949,114	13,352,387	
Net Increase (Decrease)	44,197,415	(6,882,545)	30,355,350	15,515,526	2,954,297	
Net Position Restricted for OPEB						
January 1	188,317,255	195,199,800	164,844,450	149,328,924	146,374,627	
December 31	\$232,514,670	\$188,317,255	\$ 195,199,800	\$ 164,844,450	\$ 149,328,924	

# STATISTICAL SECTION

# STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION (Continued) Last Ten Years

	Year Ended 2014	Year Ended 2013	Year Ended 2012	Year Ended 2011	Year Ended 2010
Additions:					
Contributions by Employer	\$ 33,716,523	\$ 33,834,831	\$ 35,426,215	\$ 18,020,374	\$ 15,516,965
Total Contributions	33,716,523	33,834,831	35,426,215	18,020,374	15,516,965
Net Appreciation (Depreciation)					
in Fair Value of Investments	2,266,999	13,146,950	7,200,445	(1,465,010)	3,540,803
Interest and Dividends	3,306,458	1,715,664	1,586,602	1,383,304	797,212
Total Investment Return (Loss)	5,573,457	14,862,614	8,787,047	(81,706)	4,338,015
Less Investment Expenses	(42,015)	(42,575)	(45,337)	(45,608)	(46,109)
Net Investment Income (Loss)	5,531,442	14,820,039	8,741,710	(127,314)	4,291,906
Total Additions	39,247,965	48,654,870	44,167,925	17,893,060	19,808,871
Deductions:					
Retiree Health Care Benefits	13,716,524	13,834,831	13,026,215	15,020,374	15,516,965
Administrative Expenses	40,249	38,530	36,068	29,833	29,795
Total Deductions	13,756,773	13,873,361	13,062,283	15,050,207	15,546,760
Net Increase	25,491,192	34,781,509	31,105,642	2,842,853	4,262,111
Net Position Restricted for OPEB					
January 1	120,883,435	86,101,926	54,996,284	52,153,431	47,891,320
December 31	\$146,374,627	\$120,883,435	\$ 86,101,926	\$ 54,996,284	\$ 52,153,431

#### SCHEDULE OF REVENUES BY SOURCE

Year Ended	Employer Contributions	Net Investment Income (Loss)	Total Additions		
2019	\$ 17,700,092	\$ 39,251,295	\$ 56,951,387		
2018	17,570,679	(11,840,345)	5,730,334		
2017	18,430,657	25,392,250	43,822,907		
2016	19,916,860	10,547,780	30,464,640		
2015	18,316,713	(2,010,029)	16,306,684		
2014	33,716,523	5,531,442	39,247,965		
2013	33,834,831	14,820,039	48,654,870		
2012	35,426,215	8,741,710	44,167,925		
2011	18,020,374	(127,314)	17,893,060		
2010	15,516,965	4,291,906	19,808,871		

#### SCHEDULE OF RETURN ON INVESTMENTS

Year Ended	Year-End Investment Balance	Annual Rate of Return
2019	\$ 232,445,765	20.48 %
2018	188,236,277	(5.87)%
2017	195,140,843	15.06 %
2016	164,772,053	6.90 %
2015	149,237,550	(1.39)%
2014	146,317,546	4.87 %
2013	120,681,050	16.29 %
2012	83,849,674	14.63 %
2011	53,605,063	0.18 %
2010	50,960,000	7.47 %

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

#### SCHEDULE OF EMPLOYER CONTRIBUTIONS

Year Ended	Benefit Payments (1)	Contribution to Trust	Total		
2019	\$ 12,700,092	\$ 5,000,000	\$ 17,700,092		
2018	12,570,679	5,000,000	17,570,679		
2017	13,430,657	5,000,000	18,430,657		
2016	14,916,860	5,000,000	19,916,860		
2015	13,316,713	5,000,000	18,316,713		
2014	13,716,524	20,000,000	33,716,524		
2013	13,834,831	20,000,000	33,834,831		
2012	13,026,215	22,400,000	35,426,215		
2011	15,020,374	3,000,000	18,020,374		
2010	15,516,965	—	15,516,965		

(1) 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.

# HISTORY OF BENEFIT PAYMENTS

Year Ended	Number of Retirees & Beneficiaries	Retiree Benefit Payments	Average Annual Benefit	Average Monthly Benefit		
2019	1,978	\$ 12,700,092	\$ 6,421	\$ 535		
2018	1,943	12,570,679	6,470	539		
2017	1,943	13,430,657	6,912	576		
2016	1,962	14,916,860	7,603	634		
2015	1,962	13,316,713	6,787	566		
2014	1,964	13,716,524	6,984	582		
2013	1,964	13,834,831	7,044	587		
2012	1,977	13,026,215	6,589	549		
2011	1,977	15,020,374	7,598	633		
2010	1,900	15,516,965	8,167	681		

Final average salaries of retirees are excluded from this schedule because rates of earnings are not used to calculate retiree health care benefits.

#### SCHEDULE OF EXPENSES BY TYPE

Year Ended			E	External Audit Fees	Legal Fiduciary Fees Insurance		Custodian Transaction Fees		Total Expenses		
2019	\$	55,000	\$	32,200	\$ 15,000	\$	6,680	\$	—	\$	108,880
2018		55,000		35,500	—		6,700		—		97,200
2017		41,750		30,600			6,300		—		78,650
2016		42,000		26,000	_		6,254		—		74,254
2015		42,000		29,600	_		6,074		—		77,674
2014		42,000		28,300	_		11,949		15		82,264
2013		42,000		27,200	—		11,330		575		81,105
2012		44,222		26,100	—		9,968		1,115		81,405
2011		45,333		21,000	_		8,833		275		75,441
2010		45,333		19,815	_		9,980		776		75,904