

2020

FOR THE YEAR ENDED JUNE 30

Annual Financial Report





INDEPENDENT AUDITORS' REPORT

Commissioners of the
Washington Suburban Sanitary Commission
Laurel, Maryland

Report on the Financial Statements

We have audited the accompanying financial statements of the business-type activities as of and for the years ended June 30, 2020 and 2019 and the aggregate remaining fund information as of and for the years ended December 31, 2019 and 2018 of Washington Suburban Sanitary Commission (the Commission) and the related notes to the financial statements, which collectively comprise the Commission's basic financial statements.

Management's Responsibility for the Financial Statements

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

Auditors' Responsibility

Our responsibility is to express opinions on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Commission'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 opinions on the effectiveness of the Commission's internal control. Accordingly, we express no such opinions. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

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

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the business type activities of the Commission as of June 30, 2020 and 2019 and the aggregate remaining fund information as of December 31, 2019 and December 31, 2018 and the respective changes in financial positions and, where applicable, cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management discussion and analysis, the schedule of changes in net pension liability and related ratios and related notes, the schedule of employer contributions and related notes, the schedule of changes in net OPEB liability and related ratios and the schedule of employer contributions and related notes 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 Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 23, 2020, on our consideration of the Commission's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Commission's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Commission's internal control over financial reporting and compliance.



CliftonLarsonAllen LLP

Baltimore, Maryland
October 23, 2020

**WASHINGTON SUBURBAN SANITARY COMMISSION
MANAGEMENT'S DISCUSSION AND ANALYSIS
REQUIRED SUPPLEMENTARY INFORMATION
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019
(Unaudited)**

This section of the Washington Suburban Sanitary Commission (WSSC Water) annual financial report presents our discussion and analysis of WSSC Water's financial performance for the fiscal years ended June 30, 2020 and 2019. GASB issued Statement No. 84, *Fiduciary Activities*. This Statement establishes standards of accounting and financial reporting for fiduciary activities. The principal objective of this Statement is to enhance the consistency and comparability of fiduciary activity reporting of state and local governments. This Statement also is intended to improve the usefulness of fiduciary activity information primarily for assessing the accountability of governments in their roles as fiduciaries. This Statement is effective for periods beginning after December 15, 2019. WSSC Water has implemented this GASB one year earlier in fiscal year 2020 with calendar year 2018 fiduciary activities also included in the presentation for comparison purpose.

FINANCIAL HIGHLIGHTS

Fiscal Year 2020

- WSSC Water maintained AAA bond ratings from Fitch Ratings, Moody's Investors Service, and S&P Global.
- In December 2019, WSSC Water issued \$233.6 million of Consolidated Public Improvement Bonds to fund new construction, rehabilitation and replacement of general and water infrastructure. Included in this issue was \$53.9 million of Consolidated Public Improvement Bonds (first Green Bond series) to allow investors to invest directly in bonds which finance environmentally beneficial projects (Green Projects). Green Bonds were rated E1/80 by S&P Global.
- In February 2020, WSSC Water sold \$99.2 million of refunding bonds with interest rate of 5.00% to refund \$120.0 million of outstanding callable water supply, sewage disposal and general construction bonds with interest rates ranging from 3.55% to 4.85%. The net proceeds of \$122.1 million (including a premium of \$23.2 million) were used to purchase selected open market securities. Those securities were deposited with an escrow agent to provide for all future debt service payments and the early redemption of callable bonds. The February 2020 refunding will reduce WSSC Water's total debt service payments over the next 11 years by \$13.4 million and provide an economic gain of \$12.7 million.
- On May 15, 2020, the Commission opened a Line of Credit with M&T Bank (the "LOC"). For this LOC, the Commission has the right to draw funds from time to time up to a maximum of \$100,000,000. It will serve as liquidity if needed for operating expenditures in the event that the Commission experiences significant unanticipated revenue shortfalls due to the COVID-19 emergency. The Commission's obligation to repay any amounts drawn under the Loan Documents and interest thereon is a general obligation of the Commission for the payment of which the Commission pledges its revenues and, if such revenues are insufficient, the Commission will cause the County Council of Montgomery County and the County Council of Prince George's County to impose ad valorem taxes against all assessable property within the District in an amount sufficient to pay amounts owing under the Loan Agreement. As of June 30, 2020, the Commission has not drawn on the LOC.
- On June 1, 2020, the September 2010 Build America Bonds (Series B) were defeased and redeemed.
- A Consent Decree with the Environmental Protection Agency, the Department of Justice, the State of Maryland, and four environmental groups entered its fifteenth year. The Consent Decree formally identifies the remedial measures to eliminate and/or reduce sanitary sewer overflows. In fiscal year 2016, the U.S. District Court approved a six-year extension to the original term of the Consent

Decree. Costs of the remedial measures are estimated at \$1,700.0 million and are to be expended over at least 19 years, \$209.4 million of which is expected to be incurred after fiscal year 2020. The costs for each fiscal year are or will be included in WSSC Water's budget and six-year capital improvements program.

- Under a Consent Decree executed by the District Court of Maryland on April 15, 2016, the Commission is required to undertake short-term operational changes and capital improvements at the Potomac Water Filtration Plant that will enable WSSC Water to reduce solids discharged to the river, and to plan, design and implement upgrades or new construction to achieve requirements established by MDE and incorporated in a new discharge permit. An Audit report and Long-Term Upgrade Plan were submitted by WSSC Water for consideration by MDE on December 26, 2016. WSSC Water and its consultant prepared an Amended Long-Term Upgrade Plan to address deficiencies in the 2016 Plan and issues raised by MDE and Potomac Riverkeepers, Inc. in response to the Plan, which was submitted in September 2018. In April 2019, MDE responded by approving the proposed option which best satisfies the requirement of the Consent Decree. The work required to implement the Long-Term Capital Improvement Project(s) shall be fully implemented in accordance with the schedule in the Long-Term Upgrade Plan. The Commission shall be subject to lump-sum stipulated penalties for failure to implement Long-Term Capital Improvement Project(s) by January 1, 2026. Costs for implementation of improvements are estimated at \$203 million, \$185 million of which is expected to be incurred after fiscal year 2020. The costs are included in WSSC Water's budget and capital improvements program.
- WSSC Water's operating revenues increased \$7.0 million, or 0.9% in comparison to fiscal year 2019. The increase of \$11.6 million in Water & Sewer and other miscellaneous revenues was offset by the continuous decline of front foot benefit assessments and house connection charges of \$4.7 million. Water and sewer revenues were impacted by the following:
 - Water and sewer rates were increased in FY20.
 - Consumption on commercial and governmental accounts decreased about 15% due to COVID-19. The year-end unbilled calculation for those accounts were also adjusted down accordingly.
 - Water and sewer accounts receivable balance increased 50% as of June 30, 2020 compared with June 30, 2019 due to temporary collection policy change. As a result, the reserve balance was increased by \$10.4 million at the end of fiscal year 2020 while it was decreased by \$0.3 million a year earlier.
 - Actual sewer revenue in FY20 was below budget. Future budgets for sewer revenue will be adjusted.
- Operating expenses increased \$50.3 million, or 7.8%, in comparison to fiscal year 2019.
 - Net increase of intermunicipal agency sewage disposal costs related to the Blue Plains facility is \$11.1 million. O&M settlement adjustments in 2020 resulted in additional costs of \$7.7 million. Conversely, settlement adjustments in 2019 resulted in reductions of \$7.3 million. The total \$15 million increase in settlement adjustments was reduced by a decrease of O&M payments in FY20 and other prior year adjustments of \$3.9 million.
 - Merits, COLAs, additional hiring of staff and less leave use resulted in a \$5.9 million increase in salaries and accrued leave.
 - Professional and contractual services (Information Technology and Engineering and Construction projects, biosolid hauling and storage design, Billing & Revenue Protection Division's expense and bond sale expense) increased \$16.5 million.
 - Contract services and restoration work (for Consent Decree, manhole rehabilitation, Brighton Dam upgrade and paving) increased \$12.4 million.
 - Claims expenses and accruals increased \$5.7 million.
 - Heat, light and power decreased \$3.9 million.
- Non-operating expenses increased \$54.8 million, or 129.6%, in comparison to fiscal year 2019.
 - Interest expense on bond and notes payable increased \$4.4 million.
 - Loss on disposal increase of \$19.3 million was mainly the result of Work and Asset Management (WAM) project write-off and abandonments for the Broadcreek Augmentation project.

- Adjustments for deferred earnings for pension and OPEB, as determined by the actuaries, increased non-operating expenses in FY20. Conversely, they increased non-operating revenue in FY19. This results in a net variance of \$23.4 million.
 - \$9.5 million resulted from investment income decrease.
- Capital assets (water and sewer lines, water tanks, treatment plants, pumping stations, multi-purpose facilities and other facilities), net of accumulated depreciation, increased by \$199.8 million, while overall debt increased \$100.5 million in comparison to the previous fiscal year.
- The \$23.8 million increase in net position during the year included net loss of \$42.7 million, and capital contributions of \$66.5 million.

Fiscal Year 2019

- WSSC Water maintained AAA bond ratings from Fitch Ratings, Moody's Investors Service, and S&P Global.
- In December 2018, WSSC Water issued \$390.0 million of Consolidated Public Improvement Bonds to fund new construction, rehabilitation and replacement of water and sewer infrastructure.
- In March 2019, WSSC Water sold \$39.3 million of refunding bonds with interest rates ranging from 2.00% to 5.00% to refund \$42.8 million of outstanding callable water supply, sewage disposal and general construction bonds with interest rates ranging from 3.00% to 5.00%. The net proceeds of \$43.5 million (including a premium of \$4.4 million) were used to purchase selected open market securities. Those securities were deposited with an escrow agent to provide for all future debt service payments and the early redemption of callable bonds. The March 2019 refunding will reduce WSSC Water's total debt service payments over the next 15 years by \$3.0 million and provide an economic gain of \$2.9 million.
- In December 2017, WSSC Water sold \$79.1 million of crossover refunding bonds with an interest rate of 5.00%. The bonds refunded \$90.0 million of outstanding callable water supply, sewage disposal and general construction bonds with interest rates ranging from 4.35% to 5.00%. Build America Bonds – Direct Payment to the Issuer, Series 2009B was defeased on the crossover date, and removed as a liability on June 1, 2019. Proceeds from the refunding bonds were used to purchase U.S. government securities in an irrevocable trust with an escrow agent, and provided debt service payments until the crossover date of June 1, 2019. As a result of the crossover refunding issue, WSSC Water saved \$4.9 million in debt service payments and achieved an economic gain of \$4.2 million.
- The Commission redeemed \$12.4 million in Notes on June 27, 2019 as part of the water, sewer and general debt service amortization.
- A Consent Decree with the Environmental Protection Agency, the Department of Justice, the State of Maryland, and four environmental groups entered its fourteenth year. The Consent Decree formally identifies the remedial measures to eliminate and/or reduce sanitary sewer overflows. In fiscal year 2016, the U.S. District Court approved a six-year extension to the original term of the Consent Decree. Costs of the remedial measures are estimated at \$1,636.9 million and are to be expended over at least 19 years, \$249.5 million of which is expected to be incurred after fiscal year 2019. The costs for each fiscal year are or will be included in WSSC Water's budget and six-year capital improvements program.
- Under a Consent Decree executed by the District Court of Maryland on April 15, 2016, the Commission is required to undertake short-term operational changes and capital improvements at the Potomac Water Filtration Plant that will enable WSSC Water to reduce solids discharged to the river, and to plan, design and implement upgrades or new construction to achieve requirements established by MDE and incorporated in a new discharge permit. An Audit report and Long-Term Upgrade Plan were submitted by WSSC Water for consideration by MDE on December 26, 2016. WSSC Water and its consultant prepared an Amended Long-Term Upgrade Plan to address deficiencies in the 2016 Plan and issues raised by MDE and Potomac Riverkeepers, Inc. in response to the Plan, which was submitted in September 2018. In April 2019, MDE responded by approving the proposed option which best satisfies the requirement of the Consent Decree. The work required to implement the Long-Term Capital Improvement Project(s) shall be fully implemented in accordance with the schedule in the Long-Term Upgrade Plan. The Commission shall be subject to lump-sum stipulated

penalties for failure to implement Long-Term Capital Improvement Project(s) by January 1, 2026. Costs for implementation of improvements are estimated at \$202 million, \$194 million of which is expected to be incurred after fiscal year 2019. The costs are included in WSSC Water's budget and capital improvements program.

- WSSC Water's operating revenues increased \$18.0 million, or 2.5% in comparison to fiscal year 2018, which was primarily attributable to rate increases.
- Operating expenses increased \$14.6 million, or 2.3%, in comparison to fiscal year 2018.
 - Settlement adjustments in 2019 for intermunicipal agency sewage disposal costs related to the Blue Plains facility resulted in reductions of \$7.3 million. Conversely, settlement adjustments in 2018 resulted in additional costs of \$4.9 million. Consequently, costs due to settlements in 2019 decreased \$12.2 million.
 - Merits, COLAs, the hiring of staff, and additional hours devoted to the implementation of a new billing system resulted in a \$6.6 million increase in salaries.
 - Various costs (chemicals, engineering and rental) increased \$3.9 million to address record rainfalls during the year.
 - Increased pipe inspections and related engineering services triggered additional costs of \$2.4 million.
 - The majority of the remaining variance, or \$11.7 million, represents depreciation on capital assets placed in service in recent years.
- Capital assets (water and sewer lines, water tanks, treatment plants, pumping stations, multi-purpose facilities and other facilities), net of accumulated depreciation, increased by \$323.5 million, while overall debt increased \$146.5 million in comparison to the previous fiscal year.
- The increase in net position during the year included net income of \$55.4 million, and capital contributions of \$84.3 million.

OVERVIEW OF THE FINANCIAL STATEMENTS

This annual report consists of three parts - management's discussion and analysis, the required financial statements, and other required supplementary information. The required financial statements consist of:

- Balance sheets
- Statements of revenues, expenses, and changes in net position
- Statements of cash flows
- Pension and OPEB statements of fiduciary net position
- Pension and OPEB statements of changes in fiduciary net position
- Notes to the financial statements

The balance sheets provide a snapshot of WSSC Water's financial position at June 30, the end of the fiscal year. WSSC Water's balance sheets present current and long-term assets and liabilities, deferred outflows and inflows of resources, as well as net position.

WSSC Water's statements of revenues, expenses and changes in net position reflect activity for the fiscal years. These statements measure operating revenues and expenses as well as non-operating revenues and expenses. The statements also present capital contributions as well as changes in net position.

The statements of cash flows present WSSC Water's inflows and outflows of cash. Cash flows from operating activities, capital and related financing activities, and investment activities are shown separately. Cash provided by operating activities is reconciled to operating income.

Pension and OPEB statements of fiduciary net position provide a snapshot of the combined financial position for WSSC Water's Retirement Plan and Retiree Other Post-Employment Benefits Plan at December 31 of the two comparative calendar years, the Plans' fiscal year end. The statements present the Plans' assets, liabilities, and net position.

Pension and OPEB statements of changes in the fiduciary net position reflect combined activities for the comparative calendar years for both Plans. The statements present the additions into and deductions from the Plans as well as the Plans' net position changes.

The financial statements also include notes that provide more detailed data and explanations for some of the information in the financial statements.

WSSC Water operates as an enterprise fund, which is one type of proprietary fund. Enterprise funds operate similarly to private businesses in that charges for services to customers are expected to cover expenses. WSSC Water's financial statements are presented using the accrual basis of accounting and the economic resources measurement focus. All assets and liabilities are included in the financial statements. Revenue is recognized when water or other services are delivered. Expenses are recognized when goods and services are received. All revenues and expenses are recognized regardless of when cash is received or paid.

FINANCIAL ANALYSIS

Net Position

Fiscal Year 2020

WSSC Water's net position increased 0.5% to \$4,907.7 million (See Table A-1). The increase in net investment in capital is partially offset by the decrease in unrestricted capital. Capital assets, net of accumulated depreciation, increased 2.4% to \$8,646.6 million. Unused bond proceeds at the end of the year were \$100.4 million. During fiscal year 2020, developers constructed \$31.8 million of capital assets and donated them to WSSC Water. Additional information is presented in the Capital Asset and Debt Administration section of this discussion.

Total debt, including current maturities increased to \$3,670.5 million. Capital contributions of \$34.7 (net of donated capital assets) million were available to finance capital projects during the year. These funding sources reduced the amount of bonds WSSC Water needed to sell for construction of water and sewer projects. A more detailed description of WSSC Water's debt can be found in Notes J and K of the financial statements.

Fiscal Year 2019

WSSC Water's net position increased 2.9% to \$4,884.0 million (See Table A-1). The majority of this increase is attributable to the change in the net investment in capital assets. Capital assets, net of accumulated depreciation, increased 4.0% to \$8,446.8 million. Unused bond proceeds at the end of the year were \$140.3 million. During fiscal year 2019, developers constructed \$51.3 million of capital assets and donated them to WSSC Water. Additional information is presented in the Capital Asset and Debt Administration section of this discussion.

Total debt, including current maturities increased to \$3,570.0 million. Capital contributions of \$33.0 (net of donated capital assets) million were available to finance capital projects during the year. These funding sources reduced the amount of bonds WSSC Water needed to sell for construction of water and sewer projects. A more detailed description of WSSC Water's debt can be found in Notes J and K of the financial statements.

TABLE A-1
WSSC's Condensed Balance Sheet
(in millions of dollars)

	FY 2020	FY 2019	FY 2018	FY 2020 % Change	FY 2019 % Change
Current and other assets	\$ 423.4	\$ 500.6	\$ 564.7	(15.4)	(11.4)
Capital assets, net of accumulated depreciation	8,646.6	8,446.8	8,123.3	2.4	4.0
Total assets	9,070.0	8,947.4	8,688.0	1.4	3.0
Total deferred outflows of resources	8.7	88.9	26.1	(90.2)	240.6
Current and other liabilities	782.4	902.7	812.0	(13.3)	11.2
Bonds and notes payable, net of current maturities	3,333.0	3,236.3	3,085.1	3.0	4.9
Total liabilities	4,115.4	4,139.0	3,897.1	(0.6)	6.2
Total deferred inflows of resources	55.6	13.3	72.7	318.0	(81.7)
Net position:					
Net investment in capital assets	4,971.3	4,942.5	4,679.9	0.6	5.6
Restricted for growth construction	13.7	9.8	8.4	39.8	16.7
Unrestricted	(77.3)	(68.3)	56.0	(13.2)	(222.0)
Total net position	\$ 4,907.7	\$ 4,884.0	\$ 4,744.3	0.5	2.9

Changes in Net Position

Fiscal Year 2020

- WSSC Water's operating revenues increased \$7.0 million or 0.9% in comparison with 2019 (see Table A-2). The increase of \$11.6 million in Water & Sewer and other miscellaneous revenues was offset by the continuous decline of front foot benefit assessments and house connection charges of \$4.7 million. Front foot benefit extensions and related house connections have been built primarily by outside developers since 1993. Assessments for construction by WSSC Water prior to that time are collected over the remaining term of the debt utilized to finance the construction. Water and sewer revenues were impacted by the following:
 - Water and sewer rates were increased in FY20.
 - Consumption on commercial and governmental accounts decreased about 15% due to COVID19. The year-end unbilled calculation for those accounts were also adjusted down accordingly.
 - Water and sewer accounts receivable balance increased 50% as of June 30, 2020 compared with June 30, 2019 due to a temporary collection policy change. As a result, the reserve balance was increased by \$10.4 million at the end of fiscal year 2020 while it was decreased by \$0.3 million a year earlier.
 - Actual sewer revenue in FY20 was below budget. Future budgets for sewer revenue will be adjusted.
- Operating expenses increased \$50.3 million, or 7.8%, during fiscal year 2020.
 - Net increase of intermunicipal agency sewage disposal costs related to the Blue Plains facility is \$11.1 million. Settlement adjustments in 2020 resulted in additional costs of \$7.7 million. Conversely, settlement adjustments in 2019 resulted in reductions of \$7.3 million. The total \$15 million increase in settlement adjustments was reduced by a decrease of O&M payments in FY20 and other prior year adjustments of \$3.9 million.

- Merits, COLAs, additional hiring of staff and less leave use resulted in a \$5.9 million increase in salaries and accrued leave.
- Professional and contractual services (IT and A&E projects, biosolid hauling and storage design, Billing & Revenue Division's expense and bond sale expense) increased \$16.5 million.
- Contract services and restoration work (Consent Decree, manhole rehabilitation, Brighton Dam upgrade and paving) increased \$12.4 million.
- Claims expenses and accruals increased \$5.7 million.
- Heat, light and power decreased \$3.9 million.
- Non-operating expenses increased \$54.8 million, or 129.3%, in comparison to fiscal year 2019.
 - Interest expense on bond and notes payable increased \$4.4 million.
 - Loss on disposal increase of \$19.3 million was mainly the result of WAM project write-off and abandonments for the Broadcreek Augmentation project.
 - Adjustments for deferred earnings for pension and OPEB, as determined by the actuaries, increased non-operating expenses in FY20. Conversely, they increased non-operating revenue in FY19. This results in a net variance of \$23.4 million.
 - \$9.5 million resulted from investment income decrease.

The net changes in revenues and expenses during the year resulted in net loss of \$42.7 million before capital contributions. Capital contributions decreased by 21.2% to \$66.5 million. Grant revenue increased \$0.6 million. Donated assets, constructed and contributed by developers were down \$19.5 million in comparison to the prior fiscal year.

Fiscal Year 2019

WSSC Water's operating revenues increased \$18 million, or 2.5% in comparison with 2018, which is primarily attributable to rate increases. (see Table A-2). Total income from front foot benefit assessments and house connection charges continued to decline. Front foot benefit extensions and related house connections have been built primarily by outside developers for in excess of fifteen years. Assessments for construction by WSSC Water prior to that time are collected over the remaining term of the debt utilized to finance the construction.

- Operating expenses increased \$14.6 million, or 2.3%, during fiscal year 2019.
 - Settlement adjustments in 2019 for intermunicipal agency sewage disposal costs related to the Blue Plains facility resulted in reductions of \$7.3 million. Conversely, settlement adjustments in 2018 resulted in additional costs of \$4.9 million. Consequently, costs due to settlements in 2019 decreased \$12.2 million.
 - Merits, COLAs, the hiring of staff, and additional hours devoted to the implementation of a new billing system resulted in a \$6.6 million increase in salaries.
 - Various costs (chemicals, engineering and rental) increased \$3.9 million to address record rainfalls during the year.
 - Increased pipe inspections and related engineering services triggered additional costs of \$2.4 million.
 - The majority of the remaining variance, or \$11.7 million, represents depreciation on capital assets placed in service in recent years.

The net changes in revenues and expenses during the year resulted in a 14.2% increase in income before capital contributions to \$55.4 million. Capital contributions increased by 18.6% to \$84.3 million. Grant revenue decreased \$2.7 million due to a reduction in costs incurred on ENR projects. Donated assets, constructed and contributed by developers were up \$17.7 million in comparison to the prior fiscal year.

TABLE A-2
WSSC's Condensed Changes in Net Position
(in millions of dollars)

	FY 2020	FY 2019	FY 2018	FY 2020	FY 2019
				% Change	% Change
Operating revenues	\$ 749.8	\$ 742.8	\$ 724.8	0.9	2.5
Operating expenses	(695.4)	(645.1)	(630.5)	7.8	2.3
Net non-operating revenues (expenses)	(97.1)	(42.3)	(45.8)	129.6	(7.6)
Income before capital contributions	(42.7)	55.4	48.5	(177.1)	14.2
Capital contributions	66.5	84.3	71.1	(21.1)	18.6
Changes in net position	\$ 23.8	\$ 139.7	\$ 119.6	(83.0)	16.8

CAPITAL ASSETS AND DEBT ADMINISTRATION

Capital Assets

Fiscal Year 2020

As of June 30, 2020, WSSC Water had invested \$8,646.6 million, net of accumulated depreciation, in a broad range of capital assets including water and sewer lines, water tanks, treatment plants, pumping stations, multi-purpose facilities and other facilities. This amount represents a net increase of \$199.8 million, or 2.4%, over fiscal year 2019.

Fiscal Year 2019

As of June 30, 2019, WSSC Water had invested \$8,446.8 million, net of accumulated depreciation, in a broad range of capital assets including water and sewer lines, water tanks, treatment plants, pumping stations, multi-purpose facilities and other facilities. This amount represents a net increase of \$323.5 million, or 4.0%, over fiscal year 2018.

TABLE A-3
WSSC's Capital Assets
(net of depreciation and impairment losses, in millions of dollars)

	FY 2020	FY 2019	FY 2018	FY 2020	FY 2019
				% Change	% Change
Land and rights of way	\$ 132.7	\$ 129.4	\$ 126.4	2.6	2.4
Construction in progress	1,372.7	1,462.4	1,527.6	(6.1)	(4.3)
Water supply	2,597.3	2,393.3	2,236.9	8.5	7.0
Sewage disposal	1,994.0	1,906.5	1,784.8	4.6	6.8
General construction	1,370.8	1,388.5	1,370.6	(1.3)	1.3
Intangible assets	1,153.2	1,135.4	1,041.3	1.6	9.0
Other	25.9	31.3	35.7	(17.3)	(12.3)
Total capital assets	\$ 8,646.6	\$ 8,446.8	\$ 8,123.3	2.4	4.0

Capital assets completed and placed in service in 2020 decreased \$19.0 million or 4.1%, in comparison to fiscal year 2019. Overall, water asset additions increased \$46.6 million while sewer asset additions decreased

\$29.3 million. Spending on both water and sewer main replacement projects decreased while on rehabilitation projects increased. There was also substantial increase in spending on water storage facilities and wastewater pumping stations. Major additions to capital assets being depreciated during fiscal year 2020 are illustrated in Table A-4.

Capital assets completed and placed in service in 2019 decreased \$98.8 million or 17.4%, in comparison to fiscal year 2018. Upgrades of water filtration plants decreased \$99.6 million. Major additions to capital assets being depreciated during fiscal year 2019 are illustrated in Table A-5.

Additional information relative to WSSC Water's capital assets is presented in Note D of the financial statements.

TABLE A-4
WSSC's Additions to Capital Assets Being Depreciated
Fiscal Year 2020
(in millions of dollars)

	Water Supply	Sewage Disposal	General Construction
Financed from proceeds of bonds, notes, operating revenues or capital contributions:			
Water and sewer mains	\$ 88.1	\$ 53.3	\$ 2.3
House connections	7.3	9.3	4.7
Water meters	1.0	1.0	-
Multi-use facility	-	-	(2.1)
Water Main Rehabilitation	80.1	-	2.0
Water filtration plants	2.0	-	-
Water pumping stations	-	-	-
Water storage facilities	80.4	-	-
Sewer Main Rehabilitation	-	18.8	-
Wastewater treatment facilities	-	6.2	-
Wastewater pumping stations	-	66.1	-
Miscellaneous assets	(0.1)	-	-
Constructed and contributed by developers:			
House connections	-	-	8.5
Water and sewer mains	-	-	20.9
Total fiscal year 2020 additions to capital assets being depreciated	\$ 258.8	\$ 154.7	\$ 36.3

TABLE A-5
WSSC's Additions to Capital Assets Being Depreciated
Fiscal Year 2019
(in millions of dollars)

	Water Supply	Sewage Disposal	General Construction
Financed from proceeds of bonds, notes, operating revenues or capital contributions:			
Water and sewer mains	\$ 184.5	\$ 169.1	\$ 3.7
House connections	8.3	11.8	4.8
Water meters	1.2	1.1	-
Multi-use facility	-	-	12.9
Water filtration plants	5.8	-	-
Water pumping stations	0.1	-	-
Water storage facilities	7.7	-	-
Wastewater treatment facilities	-	2.0	-
Wastewater pumping stations	-	-	-
Miscellaneous assets	4.6	-	-
Constructed and contributed by developers:			
House connections	-	-	11.8
Water and sewer mains	-	-	39.4
Total fiscal year 2019 additions to capital assets being depreciated	\$ 212.2	\$ 184.0	\$ 72.6

TABLE A-6
WSSC's Additions to Capital Assets Being Depreciated
Fiscal Year 2018
(in millions of dollars)

	Water Supply	Sewage Disposal	General Construction
Financed from proceeds of bonds, notes, operating revenues or capital contributions:			
Water and sewer mains	\$ 191.7	\$ 169.1	\$ 3.3
House connections	12.6	13.1	5.5
Water meters	0.8	0.8	-
Multi-use facility	-	-	1.8
Water filtration plants	105.4	-	-
Water storage facilities	25.4	-	-
Wastewater treatment facilities	-	5.6	-
Wastewater pumping stations	-	0.7	-
Miscellaneous assets	0.8	-	-
Constructed and contributed by developers:			
House connections	-	-	6.7
Water and sewer mains	-	-	24.3
Total fiscal year 2018 additions to capital assets being depreciated	\$ 336.7	\$ 189.3	\$ 41.6

Bonds and Notes Payable – New Bond Issue

Fiscal Year 2020

At the end of fiscal year 2020, bonds and notes outstanding totaled \$3,670.5 million, a \$100.5 million increase in comparison to the previous fiscal year. In December 2019, WSSC Water issued \$233.6 million of Consolidated Public Improvement Bonds to fund new construction, rehabilitation and replacement of general and water infrastructure construction. Included in this issue was \$53.9 million of Consolidated Public Improvement Bonds (first Green Bond series) to allow investors to invest directly in bonds which finance environmentally beneficial projects (Green Projects). Green Bonds were rated E1/80 by S&P Global.

Fiscal Year 2019

At the end of fiscal year 2019, bonds and notes outstanding totaled \$3,570.0 million, a \$146.5 million increase in comparison to the previous fiscal year. In December 2018, WSSC Water issued \$390.0 million of Consolidated Public Improvement Bonds to fund new construction, rehabilitation and replacement of water and sewer infrastructure and general construction.

TABLE A-7
WSSC's Bonds and Notes Payable
(in millions of dollars)

	FY 2020	FY 2019	FY 2018	FY 2020 % Change	FY 2019 % Change
Water supply	\$ 1,601.0	\$ 1,438.8	\$ 1,368.2	11.3	5.2
Sewage disposal	1,898.6	1,956.7	1,869.8	(3.0)	4.6
General construction	170.9	174.5	185.5	(2.1)	(5.9)
Total	3,670.5	3,570.0	3,423.5	2.8	4.3
Current maturities	337.5	333.7	338.4	1.1	(1.4)
Long-term portion	3,333.0	3,236.3	3,085.1	3.0	4.9
Total bonds and notes payable	\$ 3,670.5	\$ 3,570.0	\$ 3,423.5	2.8	4.3

Bond Ratings

Fitch Ratings, Moody's Investors Service, and S&P Global assigned and affirmed ratings of 'AAA', 'Aaa', and 'AAA', respectively, on WSSC Water's outstanding water supply, sewage disposal and general construction general obligation bonds. The agencies identified strengths of the Commission in support of their ratings which include a sizeable, diverse tax base in Montgomery and Prince George's Counties, good finances characterized by the self-supporting nature of the water and sewer system, and a skilled management team. The bonds and notes are ultimately secured by an unlimited ad valorem property tax which may be assessed on properties in the WSSD district, although no such tax has been levied due to sufficient revenues.

Limitations on Debt

Maryland law limits the amount of bonds and notes WSSC Water may have outstanding at any time. This limitation is generally based on legislated percentages of the real property assessable tax base and personal property and operating real property assessments within the Washington Suburban Sanitary District. As of June 30, 2020 and 2019, the calculated limits were \$11,987.5 million and \$11,808.4 million, respectively. WSSC Water's outstanding debt was significantly below those limits.

Additional information relative to WSSC Water's Bonds and Notes activity is presented in Notes J and K of the financial statements.

CONTACT INFORMATION

Any questions regarding this report can be directed to the Finance Office at 14501 Sweitzer Lane, Laurel, Maryland, 20707. A copy of the report is also available on WSSC Water's website at www.wsscwater.com.

WASHINGTON SUBURBAN SANITARY COMMISSION
BALANCE SHEETS
AS OF JUNE 30, 2020 AND 2019
(in thousands)

	<u>2020</u>	<u>2019</u>
ASSETS		
Current assets:		
Cash (Note B)	\$ 37,111	\$ 23,967
Investments (Note B)	116,011	175,193
Accrued interest receivable	4	2,613
Receivables, net (Note C)	142,109	124,754
State grants receivable	3,915	6,581
Prepaid expenses	446	3,265
Escrow Deposit	500	-
Materials and supplies, net	14,774	14,833
Total current assets	<u>314,870</u>	<u>351,206</u>
Non-current assets:		
Capital assets, net of accumulated depreciation (Note D)	8,646,551	8,446,780
Investments restricted for capital construction (Note B)	100,405	140,345
Note receivable (Note E)	8,196	9,032
Total non-current assets	<u>8,755,152</u>	<u>8,596,157</u>
Total assets	<u>9,070,022</u>	<u>8,947,363</u>
DEFERRED OUTFLOWS OF RESOURCES		
Deferred amount from pension differences between projected and actual plan investments (Note L)	-	62,428
Deferred amount from pension resulting from changes in assumptions (Note L)	5,376	10,753
Deferred amount from OPEB contributions (Note M)	3,351	4,441
Deferred amount from OPEB differences between projected and actual plan investments (Note M)	-	8,324
Deferred amount from OPEB differences between expected and actual experience (Note M)	-	2,956
Total deferred outflows of resources	<u>8,727</u>	<u>88,902</u>
Total assets and deferred outflows of resources	<u>\$9,078,749</u>	<u>\$9,036,265</u>

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

WASHINGTON SUBURBAN SANITARY COMMISSION
BALANCE SHEETS
AS OF JUNE 30, 2020 AND 2019
(in thousands)

	<u>2020</u>	<u>2019</u>
LIABILITIES		
Current liabilities:		
Bonds and notes payable, current maturities (Notes J and K)	\$ 337,526	\$ 333,736
Accounts payable and accrued liabilities	179,485	175,047
Accrued bond and note interest payable	11,228	11,316
Deposits and unearned revenue	8,783	3,834
Total current liabilities	<u>537,022</u>	<u>523,933</u>
Non-current liabilities:		
Bonds and notes payable, net of current maturities (Notes J and K)	3,332,975	3,236,321
Net pension liability (Note L)	120,275	226,628
Net OPEB liability (Note M)	104,729	129,529
Deposits, unearned revenue and other long-term liabilities (Note I)	20,383	22,590
Total non-current liabilities	<u>3,578,362</u>	<u>3,615,068</u>
Total liabilities	<u>4,115,384</u>	<u>4,139,001</u>
DEFERRED INFLOWS OF RESOURCES		
Deferred amount from pension differences between projected and actual plan investments (Note L)	39,757	-
Deferred amount from pension differences between expected and actual experience (Note L)	5,071	11,394
Deferred amount from OPEB differences between projected and actual plan investments (Note M)	6,551	-
Deferred amount from OPEB differences between expected and actual experience (Note M)	537	-
Deferred amount from debt refunding (Note F)	3,726	1,887
Total deferred inflows of resources	<u>55,642</u>	<u>13,281</u>
Total liabilities and deferred inflows of resources	<u>4,171,026</u>	<u>4,152,282</u>
NET POSITION		
Net investment in capital assets	4,971,317	4,942,464
Restricted for growth construction	13,731	9,804
Unrestricted	(77,325)	(68,285)
Total net position	<u>4,907,723</u>	<u>4,883,983</u>
Total liabilities, deferred inflows of resources and net position	<u><u>\$9,078,749</u></u>	<u><u>\$9,036,265</u></u>

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

WASHINGTON SUBURBAN SANITARY COMMISSION
STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019
(in thousands)

	<u>2020</u>	<u>2019</u>
OPERATING REVENUES:		
Water consumption, sewer use and service charges	\$ 696,861	\$ 686,643
Front foot benefit assessments	9,825	12,690
House connection charges	4,346	6,166
Other	38,726	37,318
	<hr/>	<hr/>
Total operating revenues	749,758	742,817
	<hr/>	<hr/>
OPERATING EXPENSES:		
Operations	99,016	113,875
Maintenance	204,402	141,332
Intermunicipal agency sewage disposal	66,327	54,668
Administrative and general	125,897	136,066
Depreciation and amortization	199,789	199,201
	<hr/>	<hr/>
Total operating expenses	695,431	645,142
	<hr/>	<hr/>
Net operating revenues	54,327	97,675
	<hr/>	<hr/>
NON-OPERATING REVENUES (EXPENSES):		
Interest on bonds and notes payable, net of capitalized interest	(61,277)	(56,883)
System development charge credit reimbursements	(2,323)	(4,658)
Loss on disposal of assets	(22,557)	(3,218)
Pension	(12,539)	8,849
OPEB	(2,205)	260
Investment income	2,500	11,968
Other interest income	1,340	1,356
	<hr/>	<hr/>
Net non-operating expenses	(97,061)	(42,326)
	<hr/>	<hr/>
Income (loss) before capital contributions	(42,734)	55,349
	<hr/>	<hr/>
Capital contributions (Note G)	66,474	84,347
	<hr/>	<hr/>
Changes in net position	23,740	139,696
	<hr/>	<hr/>
Net position, beginning of the year	4,883,983	4,744,287
	<hr/>	<hr/>
Net position, end of year	<u>\$ 4,907,723</u>	<u>\$ 4,883,983</u>

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

WASHINGTON SUBURBAN SANITARY COMMISSION
STATEMENTS OF CASH FLOWS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019
(in thousands)

	<u>2020</u>	<u>2019</u>
CASH FLOWS FROM OPERATING ACTIVITIES:		
Receipts from water and sewer customers	\$ 669,918	\$ 687,249
Receipts from front foot benefit assessments	10,725	14,513
Receipts from house connection charges	3,871	2,404
Receipts from other customers and miscellaneous	73,683	77,833
Payments to employees	(177,419)	(200,865)
Payments to District of Columbia Water & Sewer Authority	(57,840)	(54,008)
Payments to suppliers and others	(277,442)	(243,295)
Net cash provided by operating activities	<u>245,496</u>	<u>283,831</u>
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:		
Proceeds from bonds and notes	366,899	437,279
Capital contributions	67,816	82,829
Bond redemptions and note repayments	(284,367)	(300,390)
Interest payments, premiums and discounts on bonds and notes	(83,125)	(88,693)
Capital asset construction	(388,562)	(499,387)
Net cash used in capital and related financing activities	<u>(321,339)</u>	<u>(368,362)</u>
CASH FLOWS FROM INVESTING ACTIVITIES:		
Proceeds from the sale of investments	747,611	859,332
Purchases of investments	(651,217)	(889,478)
Pension and OPEB	(14,744)	9,109
Payments for security deposit	(500)	-
Interest income received	7,837	9,244
Net cash used in investing activities	<u>88,987</u>	<u>(11,793)</u>
Net (decrease) increase in cash	<u>13,144</u>	<u>(96,324)</u>
Cash, beginning of year	<u>23,967</u>	<u>120,291</u>
Cash, end of year	<u><u>\$ 37,111</u></u>	<u><u>\$ 23,967</u></u>
Reconciliation of net operating revenues to net cash provided by operating activities:		
Net operating revenue	\$ 54,327	\$ 97,675
Adjustments to reconcile net operating revenue to net cash provided by operating activities:		
Depreciation and amortization	216,197	213,838
Effect of changes in assets, liabilities and deferred outflows of resources:		
Receivables, net	(17,356)	268
Materials and supplies	59	648
Prepaid expenses	2,819	(2,992)
Deferred outflows of resources - pension and OPEB	79,940	(64,614)
Accounts payable and accrued liabilities	(26,533)	(8,063)
Unearned revenue	4,903	6
Deferred inflows of resources - pension and OPEB	40,522	(61,299)
Long-term pension liability	(88,699)	101,979
Long-term OPEB liability	(20,683)	6,385
Net cash provided by operating activities	<u><u>\$ 245,496</u></u>	<u><u>\$ 283,831</u></u>

Noncash capital financing activities:

Capital assets of \$31,810 and \$51,340 were acquired through contributions from developers in 2020 and 2019, respectively.

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

WASHINGTON SUBURBAN SANITARY COMMISSION
STATEMENTS OF FIDUCIARY NET POSITION
FIDUCIARY FUND FOR PENSION AND OPEB BENEFIT TRUSTS
DECEMBER 31, 2019 AND 2018
(in thousands)

	<u>2019</u>	<u>2018</u>
ASSETS		
Cash and cash equivalents (Note P)	\$ 3,895	\$ 4,205
Collateral received under securities lending agreements (Note P)	42,673	27,643
Investment at fair value (Note P):		
Mutual funds	611,082	447,576
Commingled funds	175,187	225,053
U.S. Government and agency bonds	67,998	64,858
Corporate bonds	25,470	20,631
Common stock	56,368	42,766
Investment contracts with insurance company	71,295	56,196
Limited partnership units	20	20
Other fixed holdings	<u>8</u>	<u>8</u>
Total Investments	<u>1,007,428</u>	<u>857,108</u>
Dividends and accrued interest receivable	681	462
Contributions receivable from employees	<u>302</u>	<u>144</u>
Total Assets	<u>1,054,979</u>	<u>889,562</u>
LIABILITIES		
Payable for collateral received under securities lending agreements (Note P)	42,673	27,643
Benefits payable and accrued expenses	<u>1,094</u>	<u>523</u>
Total Liabilities	<u>43,767</u>	<u>28,166</u>
NET POSITION		
RESTRICTED FOR PENSION AND OPEB	<u><u>\$ 1,011,212</u></u>	<u><u>\$ 861,396</u></u>

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

WASHINGTON SUBURBAN SANITARY COMMISSION
STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION
FIDUCIARY FUND FOR PENSION AND OPEB BENEFIT TRUSTS
DECEMBER 31, 2019 AND 2018
(in thousands)

	<u>2019</u>	<u>2018</u>
ADDITIONS		
Investment Income:		
Net appreciation (depreciation) in the fair value of plan investments	\$ 152,705	\$ (90,505)
Dividends and interest	27,099	24,311
	<u>179,804</u>	<u>(66,194)</u>
Less investment expenses	<u>(3,095)</u>	<u>(2,833)</u>
Net investment income	176,709	(69,027)
Contributions:		
WSSC Water Contributions	31,943	35,480
Employee Contributions	4,946	4,150
WSSC Water on-behalf contributory	11,228	10,421
Retiree Contributions	4,487	4,340
Total Contributions	<u>52,604</u>	<u>54,391</u>
Total Additions	<u>229,313</u>	<u>(14,636)</u>
DEDUCTIONS		
Benefit payments to retirees and refund	79,449	76,294
Administrative Expense	50	44
Total Deductions	<u>79,499</u>	<u>76,338</u>
INCREASE (DECREASE) IN NET POSITION	149,814	(90,974)
NET POSITION RESTRICTED FOR PENSION AND OPEB BEGINNING OF YEAR	<u>861,397</u>	<u>952,371</u>
NET POSITION RESTRICTED FOR PENSION AND OPEB END OF YEAR	<u><u>\$ 1,011,211</u></u>	<u><u>\$ 861,397</u></u>

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

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

A. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Washington Suburban Sanitary Commission (WSSC Water) is a bi-county political subdivision of the State of Maryland, created to provide water supply and sewage disposal services for Montgomery and Prince George's Counties. The financial statements are presented using the accrual basis of accounting and the economic resources measurement focus. Significant accounting policies are summarized below.

Operating and Non-Operating Revenues and Expenses

Revenues and expenses derived from financing and investment activities are classified as non-operating revenues and expenses. All other revenues and expenses are classified as operating.

Water and sewer service rates are established to provide sufficient funds to recover operating costs and debt service relating to the water supply and sanitary sewer systems. Metered water and sewer revenues are invoiced and recognized as customers utilize water. Revenue generated for which customers have not been invoiced is estimated based on past billings and recorded as unbilled revenue.

Estimated intermunicipal agency sewage disposal expenses are paid quarterly. Adjustments resulting from audits and/or reconciliations of WSSC Water's share of estimated and actual expenses are recognized in the year of settlement.

Front foot benefit and house connection assessments levied on properties where water and/or sanitary sewer service is available are the principal source of funds to service general construction bond debt. Front foot benefit assessments are recorded as operating revenue ratably over the levy year; house connection assessments and fees are recognized as operating revenue over the life of the bonds issued to finance the house connections.

Interest on bonds and notes payable is presented net of capitalized interest.

Capital Contributions

In July 1993, a system development charge (SDC) was established to help finance the cost of expanding water and sewage systems to accommodate growth in the Washington Suburban Sanitary District. System development charges are recorded as capital contributions when received. Certain qualified projects may be eligible for SDC credits or reimbursements. Only those SDC receipts filed in association with plumbing permits under which all covered work has obtained an approved final inspection are eligible for reimbursement. The credits are presented as non-operating expenses on the statement of revenues and changes in net position.

Developer fees and charges are established to recover costs related to services provided to outside developers for the construction of capital assets. These fees are recorded as permits are issued.

Federal and State grants are recognized as capital contributions when related capital costs are incurred.

Donated assets consist principally of capital assets constructed by developers and subsequently donated to WSSC Water. Values are established by using developers' estimated costs to construct the assets or WSSC Water's estimated costs to construct similar assets. Donated land and rights of way are recorded at estimated acquisition values. The capital assets, and related capital contributions, are recognized upon completion of construction.

WSSC Water follows Governmental Accounting Standards Board Statement No. 33, "*Accounting and Financial Reporting for Nonexchange Transactions*" (GASB No. 33). GASB No. 33 requires recognition of all contributions of capital assets, including donated assets, as revenues (capital contributions in the Statements of Revenues, Expenses and Changes in Net Position).

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

A. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Cash

Cash includes amounts in demand deposits.

Investments

Investments are stated at fair value, with any related gain or loss reported in investment income on the accompanying Statements of Revenues, Expenses and Changes in Net Position. Fair value is generally based on quoted market prices on the last business day of the fiscal year. Investments in market-traded securities, including U.S. government and agency securities, municipal and corporate bonds are reported at last quoted sales/bid prices provided by independent pricing vendors. Non-current investments represent unused bond proceeds at the end of the fiscal year.

Capital Assets

Capital assets include water and sewer lines, water filtration and distribution, wastewater collection and treatment as well as multi-purpose facilities, equipment and fleet. Capital assets are stated at historical costs, which include related payroll, payroll taxes, fringe benefits, administrative costs and interest capitalized during construction if applicable. Normal recurring maintenance and repair costs are charged to operations, whereas major repairs, improvements and replacements, which extend the useful lives of the assets, are capitalized. The threshold for capitalization is \$100,000. Costs incurred for capital construction are carried in construction in progress until completion.

Costs incurred for the purchase of software and water and wastewater capacity are treated as intangibles and amortized over the estimated useful life of the asset or the term of the contractual agreement.

Depreciation and Amortization

Capital assets are depreciated or amortized using the straight-line method. Estimated useful lives of some significant asset categories are as follows:

Buildings and other structures	40 – 50 years
Pipe and pipe improvements	35 – 100 years
Equipment and vehicles	3 – 12 years
Purchased capacity	50 years
Software	5 years

Depreciation and capitalized interest on constructed assets are appropriately adjusted at substantial completion.

Inventory

Materials and supplies inventory is recorded utilizing a perpetual (moving average) cost methodology and is reduced for estimated losses due to obsolescence.

Bonds and Notes Payable

Bonds and notes payable are recorded at the principal amount outstanding, net of any applicable premium or discount.

Bonds outstanding, which have been refunded and economically defeased, are not included in long-term debt. The related assets are not included in investments. The difference between the reacquisition price and the net carrying amount of the old debt is a deferred inflow of resources and is amortized as a component of interest expense (see Note F).

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

A. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Pension

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pension, and pension expense, information about the net position of the Washington Suburban Sanitary Commission Employees' Retirement Plan (the Plan) and additions to/deductions from the Plan's net position have been determined on the same basis as they are reported by the Plan. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

Pension costs are impacted by fluctuations in the market affecting actual and projected investment income and related deferred outflows or inflows. Investment activities are reported as non-operating revenues, therefore pension costs are allocated amongst operating and non-operating costs and/or revenues.

Other Postemployment Benefits (OPEB)

For purposes of measuring the net OPEB liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the net position of the Washington Suburban Sanitary Commission Employees' OPEB Plan (the OPEB Plan) and additions to/deductions from the OPEB Plan's net position have been determined on the same basis as they are reported by the OPEB Plan. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

OPEB costs are impacted by fluctuations in the market affecting actual and projected investment income and related deferred outflows or inflows. Investment activities are reported as non-operating revenues, therefore OPEB costs are allocated amongst operating and non-operating costs and/or revenues.

Compensated Absences

Employees earn annual leave based on length of service. Accumulated annual leave in excess of 360 hours at the end of each year is transferred to sick leave. At termination, employees will be paid for unused annual leave but will not receive any pay or time off for unused sick leave. At retirement, an employee may convert unused annual leave to sick leave. Unused sick leave at retirement may be credited to an employee's total service time for retirement benefit purposes. Annual leave earned but unused is accrued as a liability.

Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from these estimates.

Net Position

Capital assets, as defined above, net of related outstanding debt represent the largest portion of WSSC Water's net position, or net investment in capital assets.

Net position associated with unspent proceeds from system development charges (SDC) is restricted for growth construction.

Unrestricted net position is the residual amount not included in the other classifications. The combination of reinvesting all retained earnings in net capital assets and inclusion of pension and OPEB liabilities as well as deferred amortizations of pension and OPEB actuary estimates impact both WSSC Water's net position and, therefore, the unrestricted net position.

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

A. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Below is a table of net position and unrestricted capital without pension and OPEB impact:

	FY 2020	FY 2019	FY 2018	FY 2020 % Change	FY 2019 % Change
Net position:					
Net investment in capital assets	4,971	4,942.5	4,679.9	0.6	5.6
Restricted for growth construction	13.7	9.8	8.4	39.8	16.7
Unrestricted	190.9	210.4	328.7	(9.3)	(36.0)
Total net position	\$5,175.9	\$ 5,162.7	\$ 5,017.0	0.3	2.9

Reclassifications

The 2019 financial statements reflect certain reclassifications to conform with the current year presentation.

Accounting Changes

GASB Statement No. 84, *Fiduciary Activities*, establishes uniform accounting and financial reporting requirements for fiduciary activities. This Statement is effective for fiscal years beginning after December 15, 2018. The implementation date was postponed for a year due to COVID-19. However, WSSC Water is ready and has implemented this in the current year.

GASB Statement No. 87, *Leases*, establishes uniform accounting and financial reporting requirements for leases by lessees and lessors. This Statement is effective for fiscal years beginning after June 15, 2021 (after delay of 18 months due to COVID-19). Management is evaluating the impact of the pronouncement on its financial statements.

GASB Statement No. 89, *Accounting for Interest Cost Incurred before the End of a Construction Period*, establishes requirements for interest cost incurred before the end of a construction period. This Statement is effective for fiscal years beginning after December 15, 2020 (after delay of one year due to COVID-19). Changes adopted to conform to the provisions of the Statement should be applied prospectively. Management is evaluating the impact of the pronouncement on its financial statements.

GASB Statement No. 93, *Replacement of Interbank Offered Rates*, establishes accounting and reporting requirements related to the replacement of Interbank Offered Rates such as the London Interbank Offered Rate (LIBOR). This Statement is effective for fiscal years beginning after June 15, 2021 to December 31, 2022. Management is evaluating the impact of the pronouncement on its financial statements.

B. CASH AND INVESTMENTS

At June 30, 2020 and 2019, cash per WSSC Water's records amounted to \$37.1 million and \$24.0 million, respectively, and reported bank balances were \$40.9 million and \$30.3 million, respectively. All collected bank balance funds were secured by Federal depository insurance or by collateral held in WSSC Water's name under a tri-party collateral agreement with M&T and BNY Mellon.

The net proceeds of \$92.4 million held by BNY Mellon from a crossover refunding of Build America Bonds – Direct Payment to the Issuer, Series 2009B, were used to purchase U.S. government securities (SLGS) in an irrevocable trust with an escrow agent. The proceeds provided debt service payments on the Series 2009B until the crossover date of June 1, 2019.

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

B. CASH AND INVESTMENTS (continued)

WSSC Water's investment policy conforms to Maryland laws on the investment of public monies. Consequently, WSSC Water is authorized to invest in the investment types identified in the table below. The table also identifies certain provisions of the Maryland law or WSSC Water investment policy, which address interest rate risk, credit risk and concentration of credit risk.

<u>Authorized Investment Type</u>	<u>Maximum Maturity</u>	<u>Maximum Percentage Of Portfolio</u>	<u>Maximum Investment In One Issuer</u>
U.S. Government securities	1 year	None	None
Federal agency securities	1 year	None	None
Bankers' acceptances	6 months	None	20%
Collateralized repurchase agreements	1 year	None	20%
Commercial paper	1 year	5%	None
Certificates of deposit	1 year	None	20%
Money market investments		None	None

Any investment with a maturity in excess of 1 year must be approved by the Treasurer and will be limited to U.S. Government and Federal agency securities. The aggregated value of investments with any one bank or broker will not exceed 20% of the total investment portfolio at the time of investment, unless approved by the Investment Manager or WSSC Water Treasurer.

Custodial credit risk is the risk that, in the event of a failure of a financial institution, WSSC Water would not be able to recover deposits, the value of its investments, or collateral securities that are in the possession of an outside party. Maryland State law requires that collateral shall be maintained for all deposits and certificates of deposit with amounts in excess of Federal insurance coverage. State law also requires the securities collateralizing repurchase agreements have a market value of at least 102 percent of the principal of the investment plus accrued interest. There were no repurchase agreements at June 30, 2020 and 2019.

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. As of June 30, 2020 and 2019, all of WSSC Water's investments had remaining maturities of 1 year or less.

Credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. Credit risk is measured by the assignment of a rating by a nationally recognized statistical rating organization. WSSC Water may invest in bankers' acceptances and commercial paper having a short-term rating of the highest letter and numerical rating issued by at least one nationally recognized statistical rating organization. WSSC Water does not have a formal policy for other investment types; however virtually all remaining investments are in, or collateralized by, Federal agency securities. Actual ratings as of June 30, 2020 and 2019 are presented below for each investment type.

Investments at June 30, 2020 (in thousands):

<u>Investment Type</u>	<u>Credit Rating</u>	<u>Remaining Maturity</u>	<u>Cost</u>	<u>Fair Value</u>
Money market investments	Aaa	1 year or less	\$ 86,471	\$ 86,471
Certificates of deposit	Aaa	1 year or less	-	-
Commercial paper	A-1+	1 year or less	-	-
U. S. Government Treasury bonds	Aaa	1 year or less	69,975	69,976
Federal agency securities	Aaa	1 year or less	59,970	59,969

Total investments (includes \$13,731 restricted for capital projects and \$100,405 which is classified as non-current)

\$ 216,416 \$ 216,416

WASHINGTON SUBURBAN SANITARY COMMISSION
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FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

B. CASH AND INVESTMENTS (continued)

Investments at June 30, 2019 (in thousands):

<u>Investment Type</u>	<u>Credit Rating</u>	<u>Remaining Maturity</u>	<u>Cost</u>	<u>Fair Value</u>
Money market investments	Aaa	1 year or less	\$ 6,313	\$ 6,313
Certificates of deposit	Aaa	1 year or less	15,286	15,434
Commercial paper	A-1+	1 year or less	14,833	14,927
U. S. Government Treasury bonds	Aaa	1 year or less	59,277	59,816
Federal agency securities	Aaa	1 year or less	217,100	219,048
Total investments (includes \$10,349 restricted for capital projects and \$140,345 which is classified as non-current)			<u>\$ 312,809</u>	<u>\$ 315,538</u>

Concentration of credit risk is the risk of loss due to the magnitude of WSSC Water's investment in the securities of any single issuer. The investment policy of WSSC Water contains no limitations on the amount that can be invested in any one issuer. Those that represent 5% or more of total investments are as follows (in thousands):

<u>Issuer</u>	<u>Investment Type</u>	<u>2020</u>	<u>2019</u>
FHLB	Federal agency securities	\$ 59,969	\$ 219,048
U.S. Government	Treasury bonds	69,976	59,816

The change in fair value of investments is recognized as an increase or decrease to investment assets and investment income.

WSSC Water categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The valuation technique uses a three level hierarchy of inputs to measure fair value. Investments classified in Level 1 within the fair value hierarchy are valued using prices quoted in active markets for identical assets. Level 2 investment valuations utilize inputs other than quoted prices included in Level 1 that are observable, either directly or indirectly. If fair value inputs are unobservable, the investments will be classified as Level 3.

WASHINGTON SUBURBAN SANITARY COMMISSION
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B. CASH AND INVESTMENTS (continued)

Fair value measurements at June 30, 2020 (in thousands) using:

	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
Investments by fair value level:				
Certificates of deposit	\$ -	\$ -	\$ -	\$ -
Commercial paper	-	-	-	-
U. S. Government bonds	-	69,976	-	69,976
Federal agency securities	-	59,969	-	59,969
Total investments by fair value level	\$ -	\$ 129,945	\$ -	129,945
Investments measured at cost - Money market investments				86,471
Total investments				\$ 216,416

Fair value measurements at June 30, 2019 (in thousands) using:

	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
Investments by fair value level:				
Certificates of deposit	\$ -	\$ 15,434	\$ -	\$ 15,434
Commercial paper	-	14,927	-	14,927
U. S. Government bonds	-	59,816	-	59,816
Federal agency securities	-	219,048	-	219,048
Total investments by fair value level	\$ -	\$ 309,225	\$ -	309,225
Investments measured at cost - Money market investments				6,313
Total investments				\$ 315,538

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C. RECEIVABLES

Receivables consisted of the following at June 30 (in thousands):

	<u>2020</u>	<u>2019</u>
Front foot benefit assessments accrued and billed	\$ 5,991	\$ 6,958
Water and sewer services unbilled	57,070	56,749
Water and sewer services billed	88,747	59,081
Miscellaneous	6,881	8,120
	<u>158,689</u>	<u>130,908</u>
Less allowance for doubtful accounts	(16,580)	(6,154)
Total receivables, net	<u>\$ 142,109</u>	<u>\$ 124,754</u>

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D. CAPITAL ASSETS

Capital asset activity for the year ended June 30, 2020 was as follows (in thousands);

	Beginning Balance	Increases	Decreases	Ending Balance
Capital assets not being depreciated:				
Land and rights of way	\$ 129,426	\$ 3,233	\$ -	\$ 132,659
Construction in progress	1,462,463	454,650	(544,423)	1,372,690
Total capital assets not being depreciated	1,591,889	457,883	(544,423)	1,505,349
Capital assets being depreciated:				
Water supply	3,219,360	258,879	(1,767)	3,476,472
Sewage disposal	2,732,949	154,627	(11,924)	2,875,652
General construction	2,708,226	36,328	(2,027)	2,742,527
Intangible assets	1,533,248	54,272		1,587,520
Other	172,633	5,281	(1,574)	176,340
Total capital assets being depreciated	10,366,416	509,387	(17,292)	10,858,511
Less accumulated depreciation for:				
Water supply	(826,037)	(54,903)	1,772	(879,168)
Sewage disposal	(826,523)	(67,101)	11,921	(881,703)
General construction	(1,319,705)	(54,020)	2,027	(1,371,698)
Intangible assets	(397,896)	(36,397)		(434,293)
Other	(141,364)	(10,622)	1,539	(150,447)
Total accumulated depreciation	(3,511,525)	(223,043)	17,259	(3,717,309)
Capital assets being depreciated, net	6,854,891	286,344	(33)	7,141,202
Total capital assets, net	\$ 8,446,780	\$ 744,227	\$ (544,456)	\$ 8,646,551

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

D. CAPITAL ASSETS (continued)

Capital asset activity for the year ended June 30, 2019 was as follows (in thousands):

	Beginning Balance	Increases	Decreases	Ending Balance
Capital assets not being depreciated:				
Land and rights of way	\$ 126,376	\$ 3,050	\$ -	\$ 129,426
Construction in progress	1,527,629	573,502	(638,668)	1,462,463
Total capital assets not being depreciated	1,654,005	576,552	(638,668)	1,591,889
Capital assets being depreciated:				
Water supply	3,007,874	212,188	(702)	3,219,360
Sewage disposal	2,550,564	183,986	(1,601)	2,732,949
General construction	2,640,277	72,592	(4,643)	2,708,226
Intangible assets	1,407,904	127,175	(1,831)	1,533,248
Other	168,429	7,053	(2,849)	172,633
Total capital assets being depreciated	9,775,048	602,994	(11,626)	10,366,416
Less accumulated depreciation for:				
Water supply	(771,023)	(55,716)	702	(826,037)
Sewage disposal	(765,686)	(60,917)	80	(826,523)
General construction	(1,269,727)	(53,345)	3,367	(1,319,705)
Intangible assets	(366,594)	(32,276)	974	(397,896)
Other	(132,712)	(11,492)	2,840	(141,364)
Total accumulated depreciation	(3,305,742)	(213,746)	7,963	(3,511,525)
Capital assets being depreciated, net	6,469,306	389,248	(3,663)	6,854,891
Total capital assets, net	\$ 8,123,311	\$ 965,800	\$ (642,331)	\$ 8,446,780

Interest costs of \$42.9 million and \$47.3 million were capitalized during fiscal years 2020 and 2019, respectively.

Purchased Software

Purchased software and related development stage costs of \$32.3 million and \$1.1 million were capitalized in accordance with GASB Statement No. 51, *Accounting and Financial Reporting for Intangible Assets* in fiscal years 2020 and 2019, respectively. Costs of \$0.5 million are included in the Construction in Progress balance as of June 30, 2020 and will commence amortization upon implementation of the software. Intangible assets include the balance of costs placed in service, net of accumulated amortization, of \$32.0 million and \$5.3 million in fiscal 2020 and 2019, respectively.

Purchased Capacity

Jennings Randolph

An intangible asset for purchased capacity has been established for WSSC Water's share of capital costs in the Jennings Randolph Reservoir (Bloomington Dam). The Reservoir provides backup and peak-day water

WASHINGTON SUBURBAN SANITARY COMMISSION
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D. CAPITAL ASSETS (continued)

supply to WSSC Water and is operated by the U.S. Army Corps of Engineers, Baltimore District. WSSC Water funds 50% of the capital costs, and intangible asset balances, net of accumulated amortization, of \$26.8 million and \$27.1 million, for fiscal years 2020 and 2019, respectively, are included above.

Mattawoman and Poolesville

WSSC Water participates in the funding of capital costs for the Mattawoman and Poolesville Wastewater Treatment Plants through agreements with Charles County and the Town of Poolesville, respectively. In exchange for this participation, WSSC Water obtains the right to discharge wastewater from the Washington Suburban Sanitary District into said facilities. Costs of \$5.1 million are included in the Construction in Progress balance as of June 30, 2020 and will commence amortization when placed in service. Asset balances, net of accumulated amortization, totaling \$8.1 million and \$8.4 million, for fiscal years 2020 and 2019, respectively, are included in intangible assets above.

Blue Plains

The Commission, the District of Columbia (the District), the District of Columbia Water and Sewer Authority (DC Water), Fairfax County, Virginia, Montgomery County, Maryland, and Prince George's County, Maryland are "Parties" to a regional Intermunicipal Agreement (IMA) that provides for dedicated allocation of wastewater flow capacity for treatment at the Blue Plains facility in Washington DC. The *Blue Plains Intermunicipal Agreement of 1985 Equity Payment Study* and the subsequent equity payments required by the 1985 IMA reconciled all capital cost contributions for the Parties prior to 1987 and established a new baseline as of 1988 for calculating and allocating future capital costs associated with Blue Plains.

The 1985 IMA was replaced, effective April 3, 2013, by a new Blue Plains Intermunicipal Agreement of 2012 (the "2012 IMA"), which was executed by each of the original signatories to the 1985 IMA. The 2012 IMA provides for the allocation of capital, operating, and maintenance costs among the Parties. The parties have demonstrated their willingness to share in the burdens associated with the demands for regional wastewater collection and treatment and biosolids management. Capital costs of Blue Plains are allocated among the Parties in proportion to their respective capacity allocation of the wastewater treatment, collection, and conveyance facilities as defined in the 2012 IMA. Operating costs are allocated on a proportional basis, by the wastewater flows from each participant to the Blue Plains facilities. The Commission has a wastewater treatment capacity entitlement of 169.60 MGD, which is approximately 45.8% of the Plant's total capacity of 370 MGD.

An operating procedure was implemented for Multi-Jurisdictional Users Facilities' (MJUF) in fiscal year 2018. The procedure employs a new methodology to determine the allocated flow by users through the various facilities (such as pump stations and major conveyance pipelines through the District of Columbia) for O&M billing purposes. There was no change in the Blue Plains capital cost allocation as defined.

To address technical, policy and financial issues related to the 2012 IMA, the Parties may act at three different levels of authority: 1) the policy level, as an IMA signatory, 2) the administrative level, as a member of the Leadership Committee, and 3) the technical level, as a member of the Regional Committee. WSSC Water has representation at each of these levels.

If any participant's projected annual flow is anticipated to exceed its allocated flow capacity, the following options are available for consideration by the Regional and Leadership Committees, with participation from all of the Parties: 1) wastewater flow management adjustments, 2) modification of treatment processes at Blue Plains, 3) diversion of flows from the Blue Plains Service Area to other facilities, 4) sale or rental of excess capacity at Blue Plains between the Parties, and 5) expansion or addition of treatment and/or storage facilities. The rental or sale of allocated flow capacity shall be at the discretion of the Party which is providing the capacity for sale or rent, and the related Parties to the transaction will mutually agree on the cost basis.

The 2012 IMA remains in effect until amended, replaced or terminated by mutual consent of the Parties.

WASHINGTON SUBURBAN SANITARY COMMISSION
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D. CAPITAL ASSETS (continued)

The Commission's capital investment in Blue Plains, under the 2012 IMA, is accounted for as an intangible asset and is amortized over the estimated useful lives of the underlying assets. Costs of \$345.3 million are included in the Construction in Progress balance as of June 30, 2020 and will commence amortization when assets are placed in service. Asset balances, net of accumulated amortization, totaling \$1,086.3 million and \$1,094.6 million, for fiscal years 2020 and 2019, respectively, are included in intangible assets above.

The amount shown in the statements of revenues, expenses and changes in net assets for depreciation and amortization does not include depreciation of vehicles and equipment. Depreciation of these assets, \$10.7 million in fiscal 2020 and \$11.5 million in fiscal 2019, is classified with other related operating and maintenance costs.

E. NOTE RECEIVABLE

On April 4, 2007, WSSC Water entered into a Purchase and Sale Contract with Montgomery County for the County's purchase of WSSC Water's property which previously was the site of a biosolids composting facility. On January 15, 2009, the closing date of the sale, WSSC Water received a promissory note in the amount of \$10,000,000 from Montgomery County.

Interest accrues at a rate of 4.43%, which commenced six months after the execution of the promissory note. Under the provisions of the promissory note, the minimum annual payment by Montgomery County is \$400,000 and is due on July 15, 2009 and annually thereafter. Payments shall be allocated first to interest, then to principal. At June 30, 2020 and 2019, the balance of this Note Receivable was \$8.2 million and \$9.0 million, respectively.

As Montgomery County develops the property, additional payments become due when a 'Payment Event' occurs. A 'Payment Event' is defined as a sale or ground lease of a parcel or the commencement of initial construction on a parcel. The additional payment shall be applied to the minimum annual payment amount. Montgomery County is obligated to pay additional payments for amounts in excess of the minimum annual payment.

The principal portion of additional payments shall be at least determined based upon the ratio of the developable square feet (DSF) of the sold or developed parcel to the sum of the DSF of the sold or developed parcel plus the total DSF of the unsold parcels. Interest shall be the outstanding unpaid interest accrued as of the date of the applicable Payment Event.

The promissory note was amended and restated in 2017, to change the repayment schedule and extend the maturity date from January 15, 2024 to July 15, 2027. Under the amended Promissory Note, the County agrees to make a minimum payment of \$1,238,855, at the interest rate of 4.43%, commencing July 15, 2018 and annually thereafter until the principal and all accrued and unpaid interest and other charges are paid.

F. DEFERRED OUTFLOWS AND INFLOWS OF RESOURCES

Deferred outflows of resources represent a consumption of net position that is applicable to a future period. Reported examples include:

- (a) Deferred losses on bond refundings resulting from the difference between the carrying value of the refunded debt and its reacquisition price
- (b) Net difference between projected and actual earnings on pension plan investments
- (c) Results of changes in pension assumptions
- (d) Contributions to the OPEB Plan subsequent to the measurement date of the net OPEB liability and before the end of WSSC Water's reporting period
- (e) Differences between expected and actual experience in the measurement of the total OPEB liability

WASHINGTON SUBURBAN SANITARY COMMISSION
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F. DEFERRED OUTFLOWS AND INFLOWS OF RESOURCES (continued)

Deferred inflows of resources represent an acquisition of net assets that is applicable to a future period. Reported examples include:

- (a) Differences between expected and actual experience in the measurement of the total pension liability
- (b) Net difference between projected and actual earnings on pension plan investments
- (c) Net difference between projected and actual earnings on OPEB plan investments

G. CAPITAL CONTRIBUTIONS

Capital contributions consisted of the following for the years ended June 30 (in thousands):

	2020	2019
System development charges	\$ 26,792	\$ 26,276
Developer fees	6,283	5,737
Federal and State grants	1,589	995
House connections	8,545	11,781
Land and rights of way	2,346	158
Other construction projects	20,919	39,400
Total	<u>\$ 66,474</u>	<u>\$ 84,347</u>

H. COMPENSATED ABSENCE LIABILITY

Compensated absence liability activity consisted of the following for the years ended June 30 (in thousands):

	2020	2019
Compensated absence liability – beginning of year	\$ 13,144	\$ 12,810
Increases (incurred)	11,804	11,168
Decreases	(9,357)	(10,834)
Compensated absence liability – end of year	<u>\$ 15,591</u>	<u>\$ 13,144</u>

This liability is included in accounts payable and accrued expenses on the balance sheet

I. DEPOSITS, UNEARNED REVENUE AND OTHER LONG-TERM LIABILITIES

Deposits, unearned revenue and other long-term liabilities, reflected as non-current liabilities on the Balance Sheet, consisted of the following at June 30 (in thousands):

	2020	2019
Unearned revenue for house connections	\$ 12,006	\$ 13,004
Unearned front foot benefit revenue	371	434
Construction deposits	1,323	2,308
House connection deposits	2,506	2,466
Other	4,177	4,378
Total	<u>\$ 20,383</u>	<u>\$ 22,590</u>

WASHINGTON SUBURBAN SANITARY COMMISSION
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J. BONDS AND NOTES PAYABLE

Bonds and notes payable activity for the year ended June 30, 2020 was as follows (in thousands):

	Beginning Balance	Increases	Decreases	Ending Balance	Current Maturities
Bonds and notes payable:					
Water supply - other	\$ 1,348,237	\$ 256,440	\$ (111,407)	\$ 1,493,270	\$ 156,690
Water supply - direct placement	2,024	-	(1,012)	1,012	1,012
Sewage disposal - other	1,609,589	49,605	(124,208)	1,534,986	114,763
Sewage disposal - direct placement	236,788	34,124	(16,828)	254,084	18,279
General construction - other	162,142	26,730	(30,298)	158,574	46,168
General construction - direct placement	1,380	-	(613)	767	614
	<u>3,360,160</u>	<u>366,899</u>	<u>(284,366)</u>	<u>3,442,693</u>	<u>337,526</u>
Plus unamortized premium/discount	<u>209,896</u>	<u>40,446</u>	<u>(22,535)</u>	<u>227,807</u>	<u>-</u>
Total bonds and notes payable	<u>\$ 3,570,056</u>	<u>\$ 407,345</u>	<u>\$ (306,901)</u>	<u>\$ 3,670,500</u>	<u>\$ 337,526</u>

Bonds and notes payable activity for the year ended June 30, 2019 was as follows (in thousands):

	Beginning Balance	Increases	Decreases	Ending Balance	Current Maturities
Bonds and notes payable:					
Water supply - other	\$ 1,281,263	\$ 181,045	\$ (114,071)	\$ 1,348,237	\$ 153,543
Water supply - direct placement	3,036	-	(1,012)	2,024	1,012
Sewage disposal - other	1,521,877	215,231	(127,519)	1,609,589	114,407
Sewage disposal - direct placement	243,093	7,938	(14,243)	236,788	16,828
General construction - other	172,010	33,065	(42,933)	162,142	47,333
General construction - direct placement	1,993	-	(613)	1,380	613
	<u>3,223,272</u>	<u>437,279</u>	<u>(300,391)</u>	<u>3,360,160</u>	<u>333,736</u>
Plus unamortized premium/discount	<u>200,240</u>	<u>30,762</u>	<u>(21,106)</u>	<u>209,896</u>	<u>-</u>
Total bonds and notes payable	<u>\$ 3,423,512</u>	<u>\$ 468,041</u>	<u>\$ (321,497)</u>	<u>\$ 3,570,056</u>	<u>\$ 333,736</u>

The unamortized amounts above represent premiums received on outstanding debt issuances.

Bonds payable accrue interest at rates ranging from 0.7% to 5.0%, with an effective interest rate of 3.78% at June 30, 2020. All bonds payable at June 30, 2020, exclusive of refunded bonds, are due serially through the year 2049. Generally, the bonds are callable at a premium after a specified number of years.

In December 2019, WSSC Water issued \$233.6 million of Consolidated Public Improvement Bonds to fund new construction, rehabilitation and replacement of general and water infrastructure. Included in the issue was \$53.9 million of Consolidated Public Improvement Bonds (first Green Bond Series) to allow investors to invest directly in bonds which finance environmentally beneficial projects (Green Projects).

In December 2018, WSSC Water issued \$390.0 million of Consolidated Public Improvement Bonds to fund new construction, rehabilitation and replacement of general, water and sewer infrastructure.

WASHINGTON SUBURBAN SANITARY COMMISSION
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J. BONDS AND NOTES PAYABLE (continued)

In September 2009, WSSC Water issued \$180.0 million of Consolidated Public Improvement Bonds in two series; \$90.0 million in Tax-Exempt Bonds, Series 2009A and \$90.0 million in Taxable Build America Bonds - Direct Payment to the Issuer, Series 2009B. On June 1, 2019, the September 2009 Build America Bonds (Series B) were fully redeemed. In September 2010, WSSC Water issued \$240.0 million of Consolidated Public Improvement Bonds in two series; \$120.0 million in Tax-Exempt Bonds, Series 2010A and \$120.0 million in Taxable Build America Bonds - Direct Payment to the Issuer, Series 2010B. On June 1, 2020, the September 2010 Build America Bonds (Series B) were defeased and redeemed. The American Recovery and Reinvestment Act of 2009 created the Build America Bonds program. This program is intended to assist state and local municipalities in issuing debt. One provision of the program is for issuance of taxable Build America Bonds to finance capital expenditures while providing a federal subsidy of 35% of the interest payment to the issuer. Due to government sequestration enacted in March 2013, the December 1, 2015 and June 1, 2016 subsidies were reduced by 2.38%. The December 1, 2016 and June 1, 2017 subsidies were reduced by 2.42%. The December 1, 2017 and June 1, 2018 subsidies were reduced by 2.31%. The December 1, 2018 and June 1, 2019 subsidies were reduced by 2.17%. The December 1, 2019 and June 1, 2020 subsidies were reduced by 2.07% and 1.69%, respectively.

Bond and note maturities and interest thereon for the next five years and then in five-year increments after fiscal year 2025 are as follows (in thousands):

Year ended June 30	Principal Other Maturities	Principal Direct Placement Maturities	Interest Other Requirements	Interest Direct Placement Requirements
2021	\$317,621	\$19,905	\$126,124	\$ 2,310
2022	135,954	18,177	118,821	2,114
2023	134,483	18,319	112,102	1,942
2024	135,772	17,780	108,040	1,772
2025	137,662	17,054	101,271	1,610
2026-2030	635,845	77,893	420,433	5,883
2031-2035	457,855	70,558	294,397	2,327
2036-2040	484,021	13,723	198,383	317
2041-2045	558,346	2,460	97,588	17
2046-2049	189,270	-	12,266	-
Total	<u>3,186,829</u>	<u>255,869</u>	<u>1,589,425</u>	<u>18,292</u>

Bond Anticipation Notes (the Notes) are remarketed weekly by WSSC Water's remarketing agent at prevailing weekly tax-exempt interest rates. Interest rates on the Notes ranged from 0.13% to 6.25% during fiscal year 2020 and from 0.91% to 2.25% during fiscal year 2019. Any or all buyers of the Notes may demand payment from WSSC Water's remarketing agent upon seven days' notice. WSSC Water's remarketing agents are prepared to remarket the Notes in such eventuality. The Notes were sold under a bank line of credit agreement which acts as a guarantee of liquidity for the Notes in the event that the Notes cannot be remarketed. On August 28, 2013, the Commission replaced the series "A" notes with two separate series (A&B), each backed by their own line of credit. On July 26, 2019, the Commission extended the current line of credit agreements with both TD Bank and State Street Bank & Trust through August 28, 2023. The maximum amount available under each line of credit, subject to certain conditions, is \$107.5 million. In aggregate, the total line of credit is \$215.0 million.

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J. BONDS AND NOTES PAYABLE (continued)

At both June 30, 2020 and 2019, \$177.8 million of the Notes were outstanding. WSSC Water expects to redeem these Notes with proceeds of future bond issues or annual amortization. The Commission issued \$42.5 million in Series A Notes and \$52.5 million in Series B Notes on August 31, 2016. On June 24, 2015, the Commission issued \$35.0 million in Series A Notes and \$55.0 million in Series B Notes. On February 26, 2014, WSSC Water issued \$50.0 million in Series B Notes. In accordance with the Commission's COVID-19 Savings Plan, in FY20, the Commission did not partially redeem BANs as part of the water, sewer, and general debt service amortization. On June 27, 2019, the Commission redeemed \$12.4 million in Notes. The Notes are treated as bonds, and as such, are expected to be amortized over a 20-year term. However, because these Notes are callable, the entire \$177.8 million has been included in current maturities (fiscal 2020 principal maturities), and an estimated \$6.2 million has been included in the fiscal 2021 interest requirements. Additional estimated interest requirements at prevailing rates through 2036 on these Notes, assuming future redemption from proceeds of bonds, would total \$55.5 million.

Since November 1989, WSSC Water has participated in a loan program established by the State of Maryland to loan money to Maryland municipalities for local water and sewer projects. The program, known as the Maryland Water Quality Revolving Loan Fund, is designed to offer these municipalities loans at reduced interest rates. According to GASB Statement No. 88, the Maryland Water Quality Revolving Loan Fund is a direct placement bond. As of June 30, 2020, WSSC Water borrowed \$442.2 million from the program. The total principal balance outstanding as of June 30, 2020 and 2019 was \$255.9 million and \$240.2 million, respectively. WSSC Water does not have assets that are pledged as collateral for the loan, however, WSSC Water has authority to assess an ad valorem tax to pay debt service if necessary. There has not been any event of default or termination on the Maryland Water Quality Revolving Loan.

Proceeds of notes payable to the Federal government were used to make improvements to the Jennings Randolph Reservoir for backup and peak-day water supply. The note payable accrues interest at 3.25% and balances outstanding at June 30, 2020 and 2019 were \$19.6 million and \$20.2 million, respectively.

On May 15, 2020, the Commission opened a Line of Credit with M&T Bank (the "LOC"). For this LOC, the Commission has the right to draw funds from time to time up to a maximum of \$100,000,000. It will serve as liquidity if needed for operating expenditures in the event that the Commission experiences significant unanticipated revenue shortfalls due to the COVID-19 emergency. The Commission's obligation to repay any amounts drawn under the Loan Documents and interest thereon is a general obligation of the Commission for the payment of which the Commission pledges its revenues and, if such revenues are insufficient, the Commission will cause the County Council of Montgomery County and the County Council of Prince George's County to impose ad valorem taxes against all assessable property within the District in an amount sufficient to pay amounts owing under the Loan Agreement. As of June 30, 2020, the Commission has not drawn on the LOC.

WSSC Water is in compliance with all terms of its debt agreements at June 30, 2020 and 2019.

K. BOND REFUNDINGS

WSSC Water sells refunding bonds, thereby defeasing outstanding bonds, to reduce total debt service payments over the remaining life of the refunded bonds and to obtain an economic gain (difference between the present value of the old and new debt service payments) from the transactions.

The refunded bonds continue to be general obligations of WSSC Water until redeemed or called. However, the net proceeds of the refunding bonds are applied toward the purchase of U.S. Government obligations (held in escrow) with maturities and interest sufficient to meet debt service and call premiums, if any, on the refunded bonds. The holders of the refunded bonds have first lien on all assets held in escrow. Refunded bonds outstanding at June 30, 2020 and 2019, which amounted to \$217.5 million, are considered to be defeased and are not reflected in the accompanying financial statements.

In February 2020, WSSC Water sold \$99.2 million of refunding bonds with interest rate of 5.00% to refund

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K. BOND REFUNDINGS (continued)

\$120.0 million of outstanding callable water supply, sewage disposal and general construction bonds with interest rates ranging from 3.55% to 4.85%. The net proceeds of \$122.1 million (including a premium of \$23.2 million) were used to purchase SLGS securities. Those securities were deposited with an escrow agent to provide for all future debt service payments and the early redemption of callable bonds. The February 2020 refunding will reduce WSSC Water's total debt service payments over the next 11 years by \$13.4 million and provide an economic gain of \$12.7 million.

In March 2019, WSSC Water sold \$39.3 million of refunding bonds with interest rates ranging from 2.00% to 5.00% to refund \$42.8 million of outstanding callable water supply, sewage disposal and general construction bonds with interest rates ranging from 3.50% to 5.00%. The net proceeds of \$43.5 million (including a premium of \$4.4 million) were used to purchase U.S. treasury securities. Those securities were deposited with an escrow agent to provide for all future debt service payments and the early redemption of callable bonds. The March 2019 refunding will reduce WSSC Water's total debt service payments over the next 11 years by \$3.0 million and provide an economic gain of \$2.9 million.

Refunded bonds are considered to be defeased and the liability is not reflected in the financial statements.

Effective July 1, 1993, WSSC Water adopted GASB Statement No. 23, *Accounting and Financial Reporting for Refundings of Debt Reported by Proprietary Activities*. GASB No. 23 requires deferral of the difference between the reacquisition price and the carrying amount of the old debt. The difference is reported in the accompanying financial statements as a deferred outflow of resources and is being amortized to interest on bonds and notes through the year 2032 using the proportionate-to-stated interest method. Amortization totaling \$0.09 million and \$1.0 million in fiscal 2020 and 2019, respectively, was recorded as an interest adjustment on bonds and notes payable in the accompanying statements of revenues, expenses and changes in net position.

In accordance with GASB 65, deferred amounts from debt refundings are now illustrated as Deferred Outflows or Inflows of Resources on the Balance Sheet.

L. RETIREMENT PLAN

Plan Description

The Washington Suburban Sanitary Commission Employees' Retirement Plan (the Plan), a single employer contributory defined benefit retirement plan, was established in 1967 to provide retirement and death benefits for the employees of the Washington Suburban Sanitary Commission (WSSC Water) under conditions set forth in the Plan Document based on an employee's age, length of service, and compensation. The Retirement Plan Document is amended from time to time, with the Plan last amended on April 17, 2019. The Plan may be amended by Commission resolution or by the Executive Director on behalf of the Commission.

WSSC Water implemented the Open Version of the Plan on July 1, 1978. Members of the Plan as of June 30, 1978 had an option to be included in the Open Version. This option expired December 31, 1978. The Open Version is mandatory for new employees. It generally provides for reduced employee contributions and benefits.

As of December 31, 2019, and 2018, there were 1,662 and 1,641 employees, respectively, participating in the Open Version of the Plan, and 5 and 5 employees, respectively, participating in the Closed Version of the Plan, a total of 1,667 and 1,646 employee participants, respectively.

As of December 31, 2019, and 2018, there were 1,662 and 1,630 retirees and/or beneficiaries, respectively, receiving benefits from the Plan, and there were 116 and 100 terminated vested employees, respectively, not yet receiving benefits. Sixteen and eleven employees retired in fiscal years 2019 and 2018, respectively, and began receiving benefits in subsequent fiscal years.

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L. RETIREMENT PLAN (continued)

Actuarial studies are performed at least once every two years as of June 30th and the measurement date for the net pension liability is December 31st.

Contributions

WSSC Water funds annual pension plan costs based upon a level percentage of payroll costs. WSSC Water's contribution, which is paid in a lump sum on July 1 each year, amounted to \$26.5 million and \$25.5 million on July 1, 2019 and 2018, respectively.

Pension Benefits

The Plan provides for 100% vesting of retirement benefits after five years of credited service.

Generally, the normal retirement benefits payable to an eligible participant are equal to the sum of:

1. 2.1% of final average monthly compensation multiplied by the Closed Version credited service, plus
2. 1.4% of final average monthly compensation multiplied by the Open Version credited service where the sum of Closed Version credited service and Open Version credited service, exclusive of accumulated sick leave service is subject to a maximum of 36 years.

The Plan provides options for disability and early retirement to eligible participants or their surviving spouses.

The Plan provides for periodic cost of living increases to retirement benefits. Participants covered by the Closed Version will receive an increase two months following a sustained increase in the Consumer Price Index of 3% or more. Participants in the Open Version receive an increase each March 1, based on the preceding calendar year's increase in the Consumer Price Index. The first increase may be pro-rated depending on the time of retirement.

Actuarial Assumptions

The total pension liability was determined by an actuarial valuation as of June 30, 2019, using the following actuarial assumptions, applied to all periods included in the measurement:

	<u>2019</u>	<u>2018</u>
Inflation	2.50%	2.50%
Salary increases		
Up to 5 years of Service	7.50%	7.50%
6+ years of service	2.75%	2.75%
Investment rate of return	7.00%	7.00%

The mortality rates for 2019 were based on the RP-2000 Healthy Annuitant Mortality Table for Males or Females, with Blue Collar adjustments and one-year age set-forward, and projected to 2025 using Scale BB.

The actuarial assumptions used in the June 30, 2019 valuation were based on the results of an actuarial experience analysis covering 2011 through 2015.

Further details on assumptions are provided in the valuation report.

WASHINGTON SUBURBAN SANITARY COMMISSION
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L. RETIREMENT PLAN (continued)

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimates ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. This is then modified through a Monte-Carlo simulation process, by which a (downward) risk adjustment is applied to the baseline expected return. Best estimates of arithmetic real rates of return for each major asset class included in the pension plan's target asset allocation and the final investment return assumption are summarized in the following table:

	<u>Target Allocation</u>	<u>Long Term Expected Real Rate of Return</u>
Asset class:		
Domestic Equity	40.00%	5.85%
Non-U.S. Equity	25.00%	6.00%
U.S. Fixed Income	30.00%	1.65%
Real Estate	5.00%	4.45%
Total Weighted Average Real Return	<u>100.00%</u>	<u>4.56%</u>
Plus Inflation		<u>2.50%</u>
Total Return without Adjustment		<u>7.06%</u>
Risk Adjustment		<u>-0.06%</u>
Total Expected Return		<u>7.00%</u>

Discount Rate

The discount rate used to measure the total pension liability was 7.00% for 2019 and 2018. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rate and that Commission contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate.

Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension investments was applied to all periods of projected benefit payments to determine the total pension liability.

Other Key Actuarial Assumptions

The other key actuarial assumptions that determined the total pension liability as of December 31, 2019 and 2018 included:

Valuation date	June 30, 2019	June 30, 2018
Measurement date	December 31, 2019	December 31, 2018
Inflation	2.50%	2.50%
Salary increased including inflation	2.75% to 7.50%	2.75% to 7.50%

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
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L. RETIREMENT PLAN (continued)

Sensitivity of the Net Pension Liability to Changes in the Discount Rate

The following presents the net pension liability of the Plan, calculated using the discount rate of 7.00% for each of 2019 and 2018, as well as what the Plan's net pension liability would be if it were calculated using a discount rate that is 1 percentage point lower or 1 percentage point higher than the current rate (in thousands).

	1% Decrease 6.00%	Current Discount Rate 7.00%	1% Increase 8.00%
Net Pension Liability - 2019	\$ 230,368	\$ 120,275	\$ 27,148
Net Pension Liability - 2018	\$ 335,194	\$ 226,628	\$ 134,791

Changes in the Net Pension Liability

Changes in the Net Pension Liability for the year ended December 31, 2019 were as follows (in thousands):

	Increase (Decrease)		
	Total Pension Liability	Plan Fiduciary Net Position	Net Pension Liability
	(a)	(b)	(a) – (b)
Balances at 12/31/18	\$ 968,213	\$ 741,585	\$ 226,628
Changes for the year:			
Service cost	11,958	-	11,958
Interest	66,287	-	66,287
Differences between expected and actual experience	(1,762)	-	(1,762)
Changes in assumptions	-	-	-
Contributions – employer	-	26,524	(26,524)
Contributions – employee	-	4,946	(4,946)
Net investment income	-	151,805	(151,805)
Benefit payments, including refunds of employee contributions	(63,733)	(63,733)	-
Administrative expense*	-	(439)	439
Net change	12,750	119,103	(106,353)
Balances at 12/31/19	\$ 980,963	\$ 860,688	\$ 120,275

Plan's fiduciary net position as a percentage of
the total pension liability 87.74%

* Administrative expenses are paid directly by WSSC Water and may be reimbursed by the Plan

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
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L. RETIREMENT PLAN (continued)

Changes in the Net Pension Liability for the year ended December 31, 2018 were as follows (in thousands):

	Increase (Decrease)		
	Plan		
	Total Pension Liability	Fiduciary Net Position	Net Pension Liability
	(a)	(b)	(a) – (b)
Balances at 12/31/17	\$ 936,361	\$ 833,825	\$ 102,536
Changes for the year:			
Service cost	11,558	-	11,558
Interest	65,379	-	65,379
Differences between expected and actual experience	16,448	-	16,448
Changes in assumptions	-	-	-
Contributions – employer	-	25,480	(25,480)
Contributions – employee	-	4,150	(4,150)
Net investment income	-	(60,337)	60,337
Benefit payments, including refunds of employee contributions	(61,533)	(61,533)	-
Administrative expense*	-	-	-
Net change	31,852	(92,240)	124,092
Balances at 12/31/18	\$ 968,213	\$ 741,585	\$ 226,628

Plan's fiduciary net position as a percentage of
the total pension liability 76.59%

* Administrative expenses are paid directly by WSSC Water and may be reimbursed by the Plan

Pension Expense

For the years ended June 30, 2020 and 2019, WSSC Water recognized pension expense as follows (in thousands):

	2020	2019
Pension cost distributions:		
Operating	\$ 22,530	\$ 21,931
Non-operating	12,539	(8,850)
Capital	(13,170)	26,869
Total pension expense	\$ 21,899	\$ 39,950

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
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L. RETIREMENT PLAN (continued)

Deferred Outflows (Inflows) of Resources

Deferred outflows of resources and deferred inflows of resources related to pensions were reported for the years ended June 30, 2020 and 2019 from the following sources (in thousands):

Deferred Outflows	<u>2020</u>	<u>2019</u>
Changes in assumptions	\$ 5,376	\$ 10,753
Net difference between projected and actual earnings on pension plan investments	<u>-</u>	<u>62,428</u>
Deferred Outflows	<u>\$ 5,376</u>	<u>\$ 73,181</u>
 Deferred Inflows		
Differences between expected and actual experience	\$ (5,071)	\$ (11,394)
Net difference between projected and actual earnings on pension plan investments	<u>(39,757)</u>	<u>-</u>
Deferred Inflows	<u>\$ (44,828)</u>	<u>\$ (11,394)</u>

Amounts reported as deferred outflows of resources and deferred (inflows) of resources related to pensions will be recognized in pension expense as follows (in thousands):

<u>Year ended</u> <u>June 30</u>	<u>Amortization</u>
2021	(\$15,444)
2022	(9,306)
2023	5,859
2024	(20,561)

Historical trend information showing the Plan's progress is presented in the Plan's December 31, 2019 comprehensive annual financial report, which can be requested from WSSC Water's offices.

Retirement Restoration Plan

Effective July 1, 1995, WSSC Water established the Washington Suburban Sanitary Commission Employees' Retirement Restoration Plan (the Restoration Plan), a non-qualified plan. The purpose of the Restoration Plan is to restore most of the benefits foregone by participants in the WSSC Water Employees' Retirement Plan when such benefits are limited by the maximum benefit provisions of Section 415 of the Internal Revenue Code. During fiscal years 2020 and 2019, the Restoration Plan paid benefits totaling \$19,000 and \$26,000, respectively.

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M. OTHER POST EMPLOYMENT BENEFITS (OPEB)

Plan Description

Post-employment benefits are provided under a set of personnel policies (herein referred to, collectively, as the "OPEB Plan"). The OPEB Plan and its underlying trust, a single employer defined benefit plan, was established in 2007 to provide life insurance, healthcare and prescription drug benefits for OPEB Plan participants and beneficiaries of the WSSC Water under conditions set forth in the Trust Agreement, including the payment of reasonable administrative expenses. WSSC Water employees are eligible to continue group insurance coverage after retirement provided that retiring employees have had coverage in effect for two years prior to retirement.

As of December 31, 2019, and 2018, there were 1,667 and 1,646 active employees and 1,662 and 1,630 retirees, respectively. WSSC Water has the right to amend the Trust Fund Agreement.

Actuarial studies are performed at least once every two years as of June 30th and the measurement date for the net OPEB liability is December 31st.

Member and Employer Contributions

WSSC Water contributes to the OPEB Plan as it deems appropriate. WSSC Water initially elected to phase-in payments to the Trust over a five-year period, such that 20% of the difference between the annual required contribution and total cash expenses (funded on a "Pay-as-you-go" basis) would be funded in fiscal year 2007 and 40% of this difference would be funded in fiscal year 2008. During the third year (2009) of the phase in, WSSC Water elected to phase-in this difference over an eight-year period, which ended in 2014. WSSC Water made cash contributions of \$5.4 and \$10.0 million for the years ending December 31, 2019 and 2018, respectively.

The OPEB Plan recognizes revenues and expenditures for third-party payments made by WSSC Water related to benefits payments and administrative expenses. Accordingly, the OPEB Plan has included "on behalf" payments made by WSSC Water during the years 2019 and 2018 of \$15.7 million and \$14.8 million, respectively.

"On-behalf" payments by Water WSSC Water made subsequent to the measurement dates of December 31, 2019 and 2018 are reported as deferred outflows of contributions at June 30, 2020 and 2019 totaling \$3.4 million and \$4.4 million, respectively.

OPEB Benefits

The OPEB Plan pays 70-80% of the full premium for medical and prescription drug coverage for eligible participants and qualified dependents. In addition, employees who retired in 1982 and after are eligible for life insurance benefits. The amount of retiree life insurance coverage begins at 85% of the employee's salary as of the day immediately prior to retirement, and decreases over a four-year period, until coverage equals either 25% of that salary or \$5,000, whichever is greater.

OPEB Plan Termination

In the event of the OPEB Plan termination, assets shall be allocated for the payment of benefits and administrative expenses in accordance with the OPEB Plan and Trust Agreement.

WASHINGTON SUBURBAN SANITARY COMMISSION
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M. OTHER POST EMPLOYMENT BENEFITS (OPEB) (continued)

Actuarial Assumptions

The total OPEB liability was determined by an actuarial valuation as of July 1, 2019, using the following actuarial assumptions, applied to all periods included in the measurement, unless otherwise specified:

Inflation	2.50%		
Salary Increase	3.00%	(for Entry Age cost method)	
Investment Return	7.00%		
Healthcare cost trends		UHC POS (Pre-65)	UHC EPO/HMP (Pre-65) Medicare Plus/Supplement
2019		6.50%	7.00% 4.50%
2020		6.25%	6.75% 4.25%
2021		6.00%	6.50% 4.00%
2022		5.75%	6.25% 4.00%
2023		5.50%	6.00% 4.00%
2024		5.25%	5.75% 4.00%
2025		5.00%	5.50% 4.00%
2026		4.75%	5.25% 4.00%
2027		4.50%	5.00% 4.00%
2028		4.25%	4.75% 4.00%
2029+		4.25%	4.50% 4.00%

The mortality rates for 2019 were based on the RP-2000 Blue Collar Healthy Annuitant mortality table, for males and females, with one year set forward, and projected to 2025 using Scale BB. The RP2000 Disabled tables were used for the valuation of disabled lives. The actuarial assumptions used in the July 1, 2019 valuation were based on the results of an actuarial experience analysis in 2016, covering 2011 through 2015.

Further details on assumptions are provided in the valuation report.

The long-term expected rate of return on OPEB plan investments was determined using a building-block method in which best-estimates ranges of expected future real rates of return (expected returns, net of OPEB plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. This is then modified through a Monte-Carlo simulation process, by which a (downward) risk adjustment is applied to the baseline expected return. Best estimates of arithmetic real rates of return for each major asset class included in the OPEB plan's target asset allocation and the final investment return assumption are summarized in the following tables:

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M. OTHER POST EMPLOYMENT BENEFITS (OPEB) (continued)

	Portfolio Allocation	Long Term Expected Real Return - Portfolio
Asset class:		
Domestic Equity	35%	5.85%
Non-U.S. Equity	35%	6.20%
U.S. Fixed Income - Investment	20%	1.65%
U.S. Fixed Income - High Yield	5%	4.50%
Emerging Markets Currency	5%	3.80%
Total Weighted Average Real Return	<u>100%</u>	<u>4.96%</u>
Plus Inflation		<u>2.50%</u>
Total Return without Adjustment		<u>7.46%</u>
Risk Adjustment		<u>-0.46%</u>
Total Expected Return		<u>7.00%</u>

Discount Rate

The discount rate used to measure the total OPEB liability was 7.00%. The projection of cash flows used to determine the discount rate assumed that employer contributions will be made equal to the pay-as-you-go cost, plus \$5 million into the OPEB Trust. These amounts are more than enough to satisfy the Actuarially Determined Contributions going forward. Based on those assumptions, the OPEB Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the expected trust return on OPEB plan investments was applied to all periods of projected benefit payments to determine the total OPEB liability.

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

The following presents the net OPEB liability, calculated using the discount rate of 7.00%, as well as what WSSC Water's net OPEB liability would be if it were calculated using rates that are 1.00% lower or 1.00% higher than the current rate (in thousands).

	1% Decrease 6.00%	Current Discount Rate 7.00%	1% Increase 8.00%
Net OPEB Liability - 2019	<u>\$ 134,555</u>	<u>\$ 104,729</u>	<u>\$ 79,943</u>
Net OPEB Liability - 2018	<u>\$ 158,153</u>	<u>\$ 129,529</u>	<u>\$ 105,731</u>

Sensitivity of the Net OPEB Liability to Changes in the Healthcare Cost Trends

The following presents the net OPEB liability, calculated using the trend assumptions below, as well as, what WSSC Water's net OPEB liability would be if it were calculated using rates that are 1% lower or 1% higher than the current rate (in thousands).

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M. OTHER POST EMPLOYMENT BENEFITS (OPEB) (continued)

	1% Decrease 3.0% - 3.5%	Current Trend 4.0% - 4.5%	1% Increase 5.0% - 5.5%
Net OPEB Liability - 2019	\$ 78,950	\$ 104,729	\$ 135,950
Net OPEB Liability - 2018	\$ 103,709	\$ 129,529	\$ 160,830

Other Key Actuarial Assumptions

The other key actuarial assumptions that determined the total OPEB liability as of December 31, 2019 and 2018 included:

Valuation date	July 1, 2019	July 1, 2017
Measurement date	December 31, 2019	December 31, 2018
Inflation	2.50%	2.50%

Changes in the Net OPEB Liability

Changes in the Net OPEB Liability for the year ended December 31, 2019 were as follows (in thousands):

	Increase (Decrease)		
	Total OPEB Liability	Plan Fiduciary Net Position	Net OPEB Liability
	(a)	(b)	(a) – (b)
Balances at 12/31/18	\$ 249,341	\$ 119,812	\$ 129,529
Changes for the year:			
Service cost	2,881	-	2,881
Interest	17,269	-	17,269
Differences between expected and actual experience	(3,010)	-	(3,010)
Changes in assumptions	-	-	-
Contributions – employer, including benefits paid	-	16,647	(16,647)
Contributions – retiree	-	4,487	(4,487)
Net investment income	-	25,344	(25,344)
Benefit payments, including refunds of employee contributions	(11,228)	(15,716)	4,488
Administrative expense*	-	(50)	50
Net change	5,912	30,712	(24,800)
Balances at 12/31/19	\$ 255,253	\$ 150,524	\$ 104,729

Plan's fiduciary net position as a percentage of
the total pension liability

58.97%

* Administrative expenses are paid directly by WSSC Water.

WASHINGTON SUBURBAN SANITARY COMMISSION
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M. OTHER POST EMPLOYMENT BENEFITS (OPEB) (continued)

Changes in the Net OPEB Liability for the year ended December 31, 2018 were as follows (in thousands):

	Increase (Decrease)		
	Total OPEB Liability	Plan Fiduciary Net Position	Net OPEB Liability
	(a)	(b)	(a) – (b)
Balances at 12/31/17	\$ 240,304	\$ 118,545	\$ 121,759
Changes for the year:			
Service cost	2,798	-	2,798
Interest	16,659	-	16,659
Differences between expected and actual experience	-	-	-
Changes in assumptions	-	-	-
Contributions – employer, including benefits paid	-	20,421	(20,421)
Contributions – retiree	-	4,340	(4,340)
Net investment income	-	(8,690)	8,690
Benefit payments, including refunds of employee contributions	(10,420)	(14,760)	4,340
Administrative expense*	-	(44)	44
Net change	9,037	1,267	7,770
Balances at 12/31/18	\$ 249,341	\$ 119,812	\$ 129,529
Plan's fiduciary net position as a percentage of the total pension liability	48.05%		

* Administrative expenses are paid directly by WSSC Water.

OPEB Expense

For the years ended June 30, 2020 and 2019, WSSC Water recognized OPEB expense as follows (in thousands):

	2020	2019
OPEB cost distributions:		
Operating	\$ 9,479	\$ 8,663
Non-operating	2,155	(304)
Capital	(1,265)	5,110
Total OPEB expense	\$ 10,369	\$ 13,469

WASHINGTON SUBURBAN SANITARY COMMISSION
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M. OTHER POST EMPLOYMENT BENEFITS (OPEB) (continued)

Deferred Outflows (Inflows) of Resources

Deferred outflows of resources and deferred inflows of resources related to pensions were reported for the years ended June 30, 2020 and 2019 from the following sources (in thousands):

Deferred Outflows	<u>2020</u>	<u>2019</u>
Contributions made subsequent to the measurement date	\$ 3,351	\$ 4,441
Net difference between expected and actual experience	-	2,956
Net difference between projected and actual earnings on OPEB plan investments	-	8,324
	<u> </u>	<u> </u>
Deferred Outflows	<u>\$ 3,351</u>	<u>\$ 15,721</u>
Deferred Inflows		
Net difference between expected and actual experience	\$ (537)	\$ -
Net difference between projected and actual earnings on OPEB plan investments	(6,551)	-
	<u> </u>	<u> </u>
Deferred Inflows	<u>\$ (7,088)</u>	<u>\$ -</u>

Contributions made subsequent to the measurement date will be recognized as expense in the next year. Other amounts reported as deferred outflows of resources and deferred (inflows) of resources related to OPEB will be recognized in OPEB expense as follows (in thousands):

<u>Year ended</u> <u>June 30</u>	<u>Amortization</u>
2021	(\$1,436)
2022	(887)
2023	(403)
2024	(3,861)
2025	(501)

Historical trend information showing the Plan's progress is presented in the Plan's December 31, 2019 comprehensive annual financial report, which can be requested from WSSC Water's offices.

N. DEFERRED COMPENSATION PLAN

WSSC Water offers its employees a deferred compensation plan created in accordance with Internal Revenue Code Section 457. The deferred compensation plan, available to all employees, permits them to defer a portion of their salaries until future years. The deferred compensation is not available to employees until termination, retirement, death, or unforeseeable emergency. All of the assets of the deferred compensation plan are held in a trust for the exclusive benefit of participants and beneficiaries. Participants' rights under the plan are equal to the fair market value of the deferred account for each participant.

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

O. COMMITMENTS AND CONTINGENCIES

Construction expenditures for fiscal 2021 are not expected to exceed \$605 million, after excluding the portion that will be funded by capital contributions. Commitments in connection with this construction program approximated \$436 million at June 30, 2020.

For fiscal years 2020 and 2019, the Commission paid \$33.7 million and \$44.1 million, respectively, to fund its share of construction costs under the regional Blue Plains Intermunicipal Agreement of 2012. The Commission estimates its share of the construction costs over the next six years to be \$443.5 million, of which \$59.5 million is expected to be incurred in fiscal year 2021 and the balance over fiscal years 2022 to 2026. In addition, for fiscal years 2020 and 2019, the Commission made total payments of \$59.7 million and \$56.0 million, respectively, to DC Water for its share of operating and maintenance costs.

WSSC Water receives several federal and state grants. The grant funds expended are subject to compliance audits by the grantors.

The United States Department of Justice, the United States Environmental Protection Agency and the Maryland Department of the Environment (collectively, "the Regulators") alleged, in previous years, that sanitary sewer overflows ("SSOs") from WSSC Water's sanitary sewer collection system were violations of the Federal Clean Water Act and analogous State law. Federal agencies have pursued similar enforcement actions nationally against public wastewater treatment system owners. WSSC Water contested this action and the initial remedial measures proposed by the Regulators. Negotiations to resolve the enforcement action through the entry of a mutually agreeable Consent Decree began in March 2002. In July 2005, a proposed Consent Decree was executed between WSSC Water, the Regulators and four environmental groups in which WSSC Water agreed to undertake certain remedial measures to eliminate and/or reduce SSO occurrences. The proposed Consent Decree was approved by the U.S. District Court with an official start date of December 7, 2005. In fiscal 2016, the U.S. District Court approved a six-year extension to the original term of the Consent Decree. Costs of these remedial measures are estimated at \$1,700.0 million and are to be expended over at least 19 years, \$209.4 million of which is expected to be incurred after fiscal year 2020. The costs are included in WSSC Water's budget and capital improvements program. WSSC Water also paid civil penalties totaling \$1.1 million. These costs were accrued in fiscal 2005, and paid in fiscal 2006.

In February 2014, the Potomac Riverkeeper, Inc. ("PR") and the Chesapeake Bay Foundation, Inc. ("CBF") filed a complaint for injunctive relief and penalties in U.S. District Court in Maryland alleging violations of the Clean Water Act ("CWA") by the Commission (the "Issuer"). Under a Consent Decree executed by the District Court of Maryland on April 15, 2016, the Commission is required to undertake short-term operational changes and capital improvements at the Potomac Water Filtration Plant that will enable WSSC Water to reduce solids discharged to the river, and to plan, design and implement upgrades or new construction to achieve requirements established by MDE and incorporated in a new discharge permit. An Audit report and Long-Term Upgrade Plan were submitted by WSSC Water for consideration by MDE on December 26, 2016. WSSC Water and its consultant prepared an Amended Long-Term Upgrade Plan to address deficiencies in the 2016 Plan and issues raised by MDE and PR in response to the Plan. The work required to implement the Long-Term Capital Improvement Project(s) shall be fully implemented in accordance with the schedule in the Long-Term Upgrade Plan. The Commission shall be subject to lump-sum stipulated penalties for failure to implement Long-Term Capital Improvement Project(s) by January 1, 2026. Costs for implementation of improvements are estimated at \$203 million, \$185 million of which is expected to be incurred after fiscal year 2020. The costs are included in WSSC Water's budget and capital improvements program.

WSSC Water is involved in judicial and administrative proceedings. These actions include personal injury, property damage, personnel and environmental claims, and various claims filed by contractors against WSSC Water for cost overruns on construction contracts. While the outcomes of these matters are uncertain, it is the opinion of management and WSSC Water's General Counsel that resolution of all claims outstanding will not have a material adverse effect on the financial position or changes in net position of WSSC Water.

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

O. COMMITMENTS AND CONTINGENCIES (continued)

WSSC Water purchases insurance on its property (structures, contents, boiler and machinery, etc.) for physical damages where it has been determined that a reasonable amount of exposure exists. In addition, WSSC Water is self-insured for workers' compensation in accordance with the statutory requirements of the State of Maryland. The workers' compensation accrued liability includes an estimate for claims incurred but not yet reported to the claims administrator. WSSC Water also maintains crime and terrorism insurance and fiduciary liability policies having various self-insured retention levels. Claims have not exceeded policy limits in the past three years.

WSSC Water is self-insured for all public liability. Each year, funds are budgeted for normal claims. However, should the past loss experience change, or should a catastrophic loss occur in excess of applicable insurance coverage, funds for such loss or losses would have to be obtained from ad valorem taxation or other sources of revenue since a self-insurance fund has not been established.

General liability and workers' compensation claim activity consisted of the following at June 30 (in thousands):

	2020	2019
Claim liability - beginning of year	\$ 8,645	\$ 14,437
Current year claims and changes in estimates	2,374	3,535
Claim payments	(1,809)	(9,327)
Claim liability - end of year	<u>\$ 9,210</u>	<u>\$ 8,645</u>

This liability is included in accounts payable and accrued expenses on the balance sheet.

During fiscal years 2020 and 2019, WSSC Water leased a variety of equipment with annual rental payments of approximately \$2.2 million and \$2.3 million, respectively.

P. NOTES TO PENSION & OPEB STATEMENT OF FIDUCIARY NET POSITION

Cash and Cash Equivalents

Both Pension and OPEB plans consider all cash and highly liquid investments with an original maturity of three months or less to be cash and cash equivalents. Cash and cash equivalents for the Pension Plan consisted of short-term investments funds of \$3,780,988 and \$4,165,944 as of December 31, 2019 and 2018 respectively. The cash and cash equivalents for the OPEB Plan were \$113,650 and \$38,499 as of December 31, 2019 and 2018 respectively.

Security Lending

The Board of Trustees permits the (Pension) Plan to lend its securities to broker-dealers and other entities (the "Borrowers") for collateral that will be returned for the same securities in the future. The Plan's custodian is the agent in lending the Plan's securities for collateral of 102 percent for domestic securities and 105 percent for international securities. The custodian receives cash, securities or irrevocable bank letters of credit as collateral. All securities loans can be terminated on demand by either the Plan or the Borrowers. Cash collateral received from the Borrowers is invested by the lending agent, as an agent for the Plan, in a short-term investment pool in the name of the Plan, with guidelines approved by the Board. Such investments are considered a collateralized investment pool. The relationship between the maturities of the investment pool and the Plan's loans is affected by the maturities of securities made by other plan entities that

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

P. NOTES TO PENSION & OPEB STATEMENT OF FIDUCIARY NET POSITION (continued)

invest cash collateral in the investment pool, and which the Plan cannot determine. The Plan records a liability for the return of the cash collateral shown as collateral held for securities lending in the Statements of Plan Net Position. The Board does not restrict the amount of loans the lending agent may make on its behalf. The agent indemnifies the Plan by agreeing to purchase replacement securities, or return the cash collateral thereof, in the event a Borrower fails to return loaned securities or pay distributions thereon.

As of December 31, 2019, and 2018, the fair value of securities on loan was \$41,515,563 and \$27,081,567, respectively. Cash received as collateral and the related liability of \$42,673,508 and \$27,643,078 as of December 31, 2019 and 2018 are shown on the Statements of Plan Net Position. Securities received as collateral are not reported as assets since the Plan does not have the ability to pledge or sell the collateral securities.

Securities lending revenues and expenses amounting to \$997,009 and \$920,974, respectively, for December 31, 2019 and \$856,629 and \$777,476, respectively, for December 31, 2018, have been classified with investment income and investment expenses, respectively, in the accompanying financial statements.

The following represents the balances relating to the securities lending transactions as of December 31:

	2019		2018	
	Fair Value of Underlying Securities	Cash Collateral Investment Value	Fair Value of Underlying Securities	Cash Collateral Investment Value
Securities Loaned for Cash Collateral				
Corporate Bonds	\$ 4,123,325	\$ 4,227,051	\$ 3,176,418	\$ 3,246,459
Common Stock	9,830,361	10,053,288	8,272,934	8,430,773
U. S. Government & Agency Bonds	27,561,877	28,393,169	15,632,215	15,965,846
Total	<u>\$41,515,563</u>	<u>\$42,673,508</u>	<u>\$27,081,567</u>	<u>\$27,643,078</u>

At year-end, the Plan has credit risk exposure to Borrowers because the amount the Plan owes the Borrowers is less than the amounts the Borrowers owe the Plan. The plan is fully indemnified by its custodial bank against any losses incurred as a result of Borrower default.

Custodial credit risk is the risk that, in the event of the failure of the counterparty, the Plan will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. At December 31, 2019 and 2018, there were no funds held by a counterparty that was acting as the Plan's agent in securities lending transactions.

Investments

The Plans categorize fair value measurements within the fair value hierarchy established by GASB Statement No. 72, *Fair Value Measurement and Application*. The valuation technique uses a three-level hierarchy of inputs to measure the fair value of the asset and gives the highest priority to unadjusted quoted prices in active markets (Level 1 measurements) and the lowest priority to unobservable inputs (level 3 measurements).

WASHINGTON SUBURBAN SANITARY COMMISSION
NOTES TO FINANCIAL STATEMENTS
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

P. NOTES TO PENSION & OPEB STATEMENT OF FIDUCIARY NET POSITION (continued)

These classifications are summarized as follows:

- *Level 1 Inputs:* Quoted prices (unadjusted) for identical assets or liabilities in active markets that a reporting entity can access at the measurement date.
- *Level 2 Inputs:* Inputs other than quoted prices included within Level 1 that are observable for an asset or liability, either directly or indirectly.
- *Level 3 Inputs:* Unobservable inputs for an asset or liability.

The (Pension) Plan holds investment contracts with Prudential Financial. The fair value of these contracts is determined based on the fair value of the underlying pooled assets and is an estimate only and not the result of a precise calculation which would be done at contract discontinuance or to measure the impact of excess withdrawals in any calendar year. It does not constitute an offer by Prudential Financial or a final experience adjustment.

For the OPEB Plan, in the event that inputs used to measure the fair value of an asset or liability fall into different levels in the fair value hierarchy, the overall level of the fair value hierarchy in its entirety is determined based on the lowest level input that is significant to the entire valuation. These levels are not necessarily an indication of risk but are based upon the pricing transparency of the investment.

Fair value of certain investments that do not have a readily determinable fair value is established using net assets value (or its equivalent) as a practical expedient. These investments are not categorized according to the fair value hierarchy.

Net appreciation (depreciation) in the fair value of investments reflected in the Statement of Changes in Fiduciary Net Position includes realized gains and losses on investments that were sold during the year and unrealized appreciation (depreciation) in the fair value of investments.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date.

Expenses

WSSC Water pays the administrative expenses of the pension Plan, other than investment management and consulting fees. WSSC Water may be reimbursed by the Plan for the paid administrative expenses.

Financial Statements

The financial statements for pension and OPEB plans are issued separately.

Q. SUBSEQUENT EVENTS

The WSSC Water has evaluated events subsequent to September 11, 2020 and through the date the financial statements were available to be issued and determined there have not been any events that have occurred that would require adjustments to the financial statements.

In March 2020, the World Health Organization declared the spread of Coronavirus Disease (COVID-19) a worldwide pandemic. The COVID-19 pandemic is having significant effects on global markets, supply chains, businesses, and communities including WSSC Water. COVID-19 has impacted WSSC Water fiscal year 2020 operations and financial results including, but not limited to, decreased commercial and governmental consumption billing, increased accounts receivable balance, decreased investment market values, and lost investment earnings revenue. To the extent possible, WSSC Water management is taking actions to mitigate the negative impact. However, the full impact of COVID-19 is unknown and cannot be reasonably estimated as the events are still developing.

WASHINGTON SUBURBAN SANITARY COMMISSION
REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)
SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS
SCHEDULE A-1

	2019	2018	2017	2016	2015	2014	2013
Total Pension Liability							
Service cost	\$ 11,958,124	\$ 11,557,550	\$ 10,744,773	\$ 10,576,413	\$ 9,828,010	\$ 11,098,519	\$ 10,541,264
Interest on total pension liability	66,286,257	65,379,327	63,199,825	61,935,402	61,611,259	67,317,785	66,214,298
Effect of plan changes	-	-	-	-	-	-	-
Effect of assumption changes or inputs	-	-	-	-	32,257,956	-	-
Differences between expected and actual experience	(1,762,193)	16,447,791	3,474,382	(10,448,960)	(53,390,196)	(8,657,936)	-
Benefit payments, including refunds	(63,732,796)	(61,533,446)	(58,642,039)	(57,554,539)	(56,672,851)	(54,934,361)	(53,545,268)
Net change in total pension liability	12,749,392	31,851,222	18,776,941	4,508,316	(6,365,822)	14,824,007	23,210,294
Total pension liability, beginning of the year	968,212,704	936,361,482	917,584,541	913,076,225	919,442,047	904,618,040	881,407,746
Total pension liability, end of the year	980,962,096	968,212,704	936,361,482	917,584,541	913,076,225	919,442,047	904,618,040
Plan Fiduciary Net Pension							
Employer contributions	26,524,110	25,479,895	24,193,214	22,606,529	22,346,849	20,965,016	20,498,919
Member contributions	4,945,638	4,150,303	5,290,757	4,213,793	3,930,364	3,823,065	3,652,732
Investment income, net of investment expenses	151,804,808	(60,337,268)	118,185,475	61,852,141	(10,371,883)	37,575,770	110,734,486
Benefit payments, including refunds	(63,732,796)	(61,533,446)	(58,642,039)	(57,554,539)	(56,672,851)	(54,934,361)	(53,545,268)
Admin expenses	(438,993)						
Net change in plan fiduciary net position	119,102,767	(92,240,516)	89,027,407	31,117,924	(40,767,521)	7,429,490	81,340,869
Plan fiduciary net position, beginning of year	741,584,842	833,825,358	744,797,951	713,680,027	754,447,548	747,018,058	665,677,189
Plan fiduciary net position, end of year	860,687,609	741,584,842	833,825,358	744,797,951	713,680,027	754,447,548	747,018,058
Net pension liability, beginning of year	226,627,862	102,536,124	172,786,590	199,396,198	164,994,499	157,599,982	215,730,557
Net pension liability, end of year	<u>\$ 120,274,487</u>	<u>\$ 226,627,862</u>	<u>\$ 102,536,124</u>	<u>\$ 172,786,590</u>	<u>\$ 199,396,198</u>	<u>\$ 164,994,499</u>	<u>\$ 157,599,982</u>
Plan fiduciary net position as a percentage of total pension liability	87.7%	76.6%	89.0%	81.2%	78.2%	82.1%	82.6%
Covered payroll	\$ 156,947,396	\$ 150,768,609	\$ 143,155,101	\$ 133,766,444	\$ 132,229,882	\$ 124,053,349	\$ 121,295,379
Plan's net pension liability as a percentage of covered payroll	76.6%	150.3%	71.6%	129.2%	150.8%	133.0%	129.9%

This schedule is presented to illustrate the requirement to show information for 10 years. The Plan presents information for available years and additional years will be displayed as they become available.

Notes to Schedule of Changes in Net Pension Liability and Related Ratios:

Benefit changes: - There have been no changes in benefit assumptions since the implementation of GASB 67 and 68.

Changes in assumptions - There were several changes in actuarial assumptions since the prior year, including rates of mortality, retirement, and termination; as well as inflation, salary increases, and investment return.

**WASHINGTON SUBURBAN SANITARY COMMISSION
REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)
SCHEDULE OF EMPLOYER CONTRIBUTIONS - PENSION
SCHEDULE A-2**

Year Ended December 31,	Actuarially Determined Contribution	Actual Employer Contribution	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a % of Covered Payroll
2010	12,201,033	18,224,804	(6,023,771)	107,839,077	16.9%
2011	26,295,382	18,686,402	7,608,980	110,570,426	16.9%
2012	22,757,807	19,038,875	3,718,932	112,656,065	16.9%
2013	22,739,819	20,498,919	2,240,900	121,295,379	16.9%
2014	25,745,448	20,965,016	4,780,432	124,053,349	16.9%
2015	20,100,358	22,346,849	(2,246,491)	132,229,876	16.9%
2016	18,393,733	22,606,529	(4,212,796)	133,766,444	16.9%
2017	18,591,764	24,193,214	(5,601,450)	143,155,112	16.9%
2018	18,232,265	25,479,895	(7,247,630)	150,768,609	16.9%
2019	21,183,914	26,524,110	(5,340,196)	156,947,396	16.9%

Notes to Schedule of Contributions:

Valuation date:

Actuarially determined contribution rates are calculated as of July 1st of the fiscal year in which the contributions are reported. WSSC's policy is to complete an actuarial study at least once every two years.

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry age normal (funding valuation uses a fixed rate of contribution)
Inflation	2.50%
Salary increases	2.75 to 7.50 % including inflation
Investment rate of return	7.0% net of pension plan investment expenses, including inflation
Retirement age	Table of rates by age and eligibility
Mortality	Mortality rates were based on the RP-2000 Healthy Annuitant Mortality Table for Males or Females, with Blue Collar adjustments and one-year age set-forward and projected to 2025 using Scale BB. The actuarial assumptions used in the June 30, 2019 valuation were based on the results of the actuarial experience analysis covering 2011 through 2015.

WASHINGTON SUBURBAN SANITARY COMMISSION
REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)
SCHEDULE OF CHANGES IN NET OPEB LIABILITY AND RELATED RATIOS
SCHEDULE A-3

	2019	2018	2017	2016
Total OPEB Liability				
Service cost	\$ 2,881,277	\$ 2,797,356	\$ 2,715,880	\$ 2,852,227
Interest on total OPEB liability	17,269,181	16,658,625	16,104,693	15,302,770
Effect of plan changes	-	-	-	-
Effect of assumption changes or inputs	-	-	-	-
Differences between expected and actual experience	(3,009,670)	-	4,927,026	-
Benefit payments, including refunds	(11,228,441)	(10,420,568)	(11,586,194)	(11,348,096)
Net change in total OPEB liability	5,912,347	9,035,413	12,161,405	6,806,901
Total OPEB liability, beginning of the year	249,340,570	240,305,157	228,143,752	221,336,851
Total OPEB liability, end of the year	255,252,917	249,340,570	240,305,157	228,143,752
Plan Fiduciary Net Pension				
Employer contributions, including benefits paid	16,647,253	20,420,568	21,586,194	21,348,096
Member contributions	4,487,388	4,339,559	4,168,418	3,967,312
Investment income, net of investment expenses	25,343,322	(8,690,017)	14,247,468	8,362,666
Benefit payments, including refunds	(15,715,829)	(14,760,127)	(15,754,612)	(15,315,408)
Administrative expenses	(50,000)	(43,750)	(20,000)	-
Net change in plan fiduciary net position	30,712,134	1,266,233	24,227,468	18,362,666
Plan fiduciary net position, beginning of year	119,811,937	118,545,704	94,318,236	75,955,570
Plan fiduciary net position, end of year	150,524,071	119,811,937	118,545,704	94,318,236
Net OPEB liability, beginning of year	129,528,633	121,759,453	133,825,516	145,381,281
Net OPEB liability, end of year	\$ 104,728,846	\$ 129,528,633	\$ 121,759,453	\$ 133,825,516
Plan fiduciary net position as a percentage of total OPEB liability	59.0%	48.1%	49.3%	41.3%
Covered employee payroll	138,548,098	\$ 132,955,474	\$ 124,331,306	\$ 122,144,339
Net OPEB liability as a percentage of covered employee payroll	75.6%	97.4%	97.9%	109.6%

This schedule is presented to illustrate the requirement to show information for 10 years. The OPEB Plan presents information for available years and additional years will be displayed as they become available.

WASHINGTON SUBURBAN SANITARY COMMISSION
REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)
SCHEDULE OF EMPLOYER CONTRIBUTIONS - OPEB
SCHEDULE A-4

Year Ended December 31,	Actuarially Determined Contribution	Actual Employer Contribution	Contribution Deficiency (Excess)	Covered Employee Payroll	Contributions as a % of Covered Employee Payroll
2010	21,175,619	14,675,000	6,500,619	97,055,169	15.1%
2011	21,298,235	14,735,000	6,563,235	99,513,383	14.8%
2012	20,180,734	17,539,809	2,640,925	101,390,459	17.3%
2013	20,128,000	19,060,000	1,068,000	109,165,841	17.5%
2014	16,752,000	20,437,000	(3,685,000)	111,648,014	18.3%
2015	16,766,000	22,379,000	(5,613,000)	119,006,893	18.8%
2016	14,960,787	21,348,096	(6,387,309)	122,144,339	17.5%
2017	14,960,787	21,586,194	(6,625,407)	124,331,306	17.4%
2018	14,004,405	20,420,568	(6,416,163)	132,955,474	15.4%
2019	14,094,584	16,647,253	(2,552,669)	138,548,098	12.0%

Notes to Schedule of Contributions:

Valuation date:

Actuarially determined contribution rates are calculated as of July 1st of the fiscal year in which the contributions are reported. WSSC's policy is to complete an actuarial study at least once every two years.

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry age normal
Inflation	2.50%
Investment rate of return	7.00%
Asset valuations methodology	Assets are based on market value
Retirement age	Table of rates by age and eligibility
Mortality	Mortality rates were based on the RP-2000 Blue Collar Healthy Annuitant Mortality Table for Males or Females, with one year set forward, and projected to 2025 using Scale BB. The actuarial assumptions used in the July 1, 2019 valuation were based on the results of the actuarial experience analysis in 2016, covering 2011 through 2015.

Healthcare cost trend rates	UHC POS (Pre-65)	UHC EPO/HMP (Pre-65)	Medicare Plus/Supplement
2019	6.50%	7.00%	4.50%
2020	6.25%	6.75%	4.25%
2021	6.00%	6.50%	4.00%
2022	5.75%	6.25%	4.00%
2023	5.50%	6.00%	4.00%
2024	5.25%	5.75%	4.00%
2025	5.00%	5.50%	4.00%
2026	4.75%	5.25%	4.00%
2027	4.50%	5.00%	4.00%
2028	4.25%	4.75%	4.00%
2029+	4.25%	4.50%	4.00%

WASHINGTON SUBURBAN SANITARY COMMISSION
REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)
SCHEDULE OF INVESTMENT RETURNS - PENSION
SCHEDULE A-5

Year Ended December 31	Net Money-Weighted Rate of Return (%)
2010	14.2
2011	(2.5)
2012	14.1
2013	17.3
2014	5.2
2015	(1.4)
2016	9.5
2017	16.2
2018	(7.4)
2019	20.9

This schedule is presented to illustrate the requirement to show information for 10 years.

WASHINGTON SUBURBAN SANITARY COMMISSION
REQUIRED SUPPLEMENTARY INFORMATION (UNAUDITED)
SCHEDULE OF INVESTMENT RETURNS - OPEB
SCHEDULE A-6

	<u>2019</u>	<u>2018</u>	<u>2017</u>
Annual money-weighted rate of return, net of investment expense	20.8%	-7.1%	14.5%

The Plan adopted GASB 74 during fiscal year 2017; therefore, only three years of returns are shown.