

NEW JERSEY WATER SUPPLY AUTHORITY
(A Component Unit of the State of New Jersey)

FINANCIAL STATEMENTS AND
SUPPLEMENTARY INFORMATION

June 30, 2019

NEW JERSEY WATER SUPPLY AUTHORITY

A Component Unit of the State of New Jersey

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INDEPENDENT AUDITORS' REPORT

To the Commissioners of
New Jersey Water Supply Authority

Report on the Financial Statements

We have audited the accompanying financial statements of the business-type activities of the New Jersey Water Supply Authority (the "Authority"), a component unit of the State of New Jersey, as of and for the years ended June 30, 2019 and 2018, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

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

Auditors' Responsibility

Our responsibility is to express 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 audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

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

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

INDEPENDENT AUDITORS' REPORT (CONTINUED)

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the business-type activities of the Authority as of June 30, 2019 and 2018, and the changes in financial position and 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's discussion and analysis and the required supplementary schedules, as listed in the table of contents, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Supplementary Information

Our audits were conducted for the purpose of forming opinions on the financial statements that collectively comprise the Authority's basic financial statements. The other supplementary information, as listed in the table of contents, is presented for purposes of additional analysis and is not a required part of the basic financial statements.

The other supplementary information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the other supplementary information is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

INDEPENDENT AUDITORS' REPORT (CONTINUED)

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated October 16, 2019, on our consideration of the Authority's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, 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 Authority'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 Authority's internal control over financial reporting and compliance.

Mercedien, P.C.

Certified Public Accountants

October 16, 2019

MANAGEMENT'S DISCUSSION AND ANALYSIS (UNAUDITED)



MANAGEMENT'S DISCUSSION AND ANALYSIS

Year Ended June 30, 2019

This section of the Annual Financial Report of the New Jersey Water Supply Authority (the "Authority"), a Component Unit of the State of New Jersey, presents discussion and analysis of the Authority's financial performance during the fiscal years ended June 30, 2019 and June 30, 2018. Please read it in conjunction with the Authority's basic financial statements and accompanying notes.

FINANCIAL HIGHLIGHTS – FISCAL YEAR 2019

- Operating revenue for fiscal year 2019 was \$32.7 million, a .09% increase over fiscal year 2018, which was the result of a .3% increase in Raritan sales and a .5% decrease in Manasquan sales. In the Raritan Basin System, rates remained at \$336.00 per million gallons, and the sales base remained at 182.353 million gallons per day ("mgd"). In the Manasquan Reservoir System, rates remained at \$1,043.35 per million gallons. The fiscal year 2019 sales base remained at 19.443mgd.
- Unrestricted cash and cash equivalents for fiscal year 2019 were \$46.9 million, a decrease of 2.7% compared to fiscal year 2018. Income from operations increased for the Raritan System 27.9% and increased 2.7% for the Manasquan System.
- Total liabilities for fiscal year 2019 were \$178.3 million. This is a decrease of .4% from fiscal year 2018 and includes the June 2019 interim financing in the amount of \$15.2 million with the New Jersey Infrastructure Bank for the Round Valley Reservoir Structures Refurbishment and Resource Preservation Project in the Raritan Basin System and a reduction in the Postemployment Benefits Other Than Pensions (OPEB) liability and pension liability.
- Total operating expenses for fiscal year 2019 decreased to \$23.4 million, which represents a 6.7% decrease from fiscal year 2018. Payroll increased 1.7% due to negotiated union contract increases and the filling of funded vacancies. Fringe benefits decreased 20.9% due largely to reduced OPEB and pension expenses. Direct operations and maintenance expenses decreased 8.3% to \$5.2 million, primarily due to a decrease in expenses related to treatment of invasive plant species in the Delaware and Raritan Canal.
- Other changes for fiscal year 2019 include the following: non-operating revenue increased 128.8% to \$1.3 million; investment income increased 127.0% because of an increase in fair market valuations and improved earnings on bank deposits. The receipt of grant program reimbursement increased 46.8% from the previous year, and other income increased because of an increase in the gain on disposal of assets.
- Non-operating expenses for fiscal year 2019 increased 23.5% to \$1.3 million. The interest component of debt service decreased 27.9% with the continued pay-down of the system debt. There was an increase in the reduction in costs to be recovered from future revenue, (deferred inflows of resources) and the change in the rate model is outlined in Note B to the basic financial statements.



MANAGEMENT'S DISCUSSION AND ANALYSIS

Year Ended June 30, 2019

FINANCIAL HIGHLIGHTS – FISCAL YEAR 2018

- Operating revenue for fiscal year 2018 was \$32.7 million, a 16.5% increase over fiscal year 2017, which was the result of a 31.2% increase in Raritan, and an 8.3% decrease in Manasquan sales. In the Raritan Basin System, rates increased to \$336.00 per million gallons, and the sales base increased slightly to 182.353 million gallons per day (“mgd”). In the Manasquan Reservoir System, rates decreased to \$1,043.35 per million gallons. The fiscal year 2018 sales base remained at 19.443mgd.
- Unrestricted cash and cash equivalents for fiscal year 2018 were \$48.2 million, an increase of 8.5% over fiscal year 2017. Income from operations increased for the Raritan System 1150.1% and decreased 21.6% for the Manasquan System.
- Total liabilities for fiscal year 2018 were \$178.9 million. This is an increase of 30.5% from fiscal year 2017 and reflects the February 2018 interim financing in the amount of \$49.5 million with the New Jersey Infrastructure Bank for the D&R Canal Dredging Project in the Raritan Basin System less the change in the total OPEB liability from \$37 million to \$33.5 million.
- Total operating expenses for fiscal year 2018 increased to \$25.0 million, which represents a 1.4% increase from fiscal year 2017. Payroll increased 6.1% because of retroactive cost of living and step increments awarded to union employees and the filling of funded vacancies. Fringe benefits decreased 9.1% due largely to one-time recognition of pension expense in 2017, which was partially offset by recognition of additional OPEB expense in connection with implementation of GASB Statement No. 75. Direct operations and maintenance expenses increased 10.3% to \$5.7 million.
- Other changes for fiscal year 2018 include the following: non-operating revenue increased 19167.7% to \$559.9 thousand; investment income increased 2044.4% because of a fiscal year 2017 arbitrage payment made in connection with the 2016 bond refunding. The receipt of grant program reimbursement decreased 81.7% from the previous year, and other income increased because of a one-time repayment to FEMA in fiscal year 2017 of funds that had already been reimbursed by the Authority’s insurance.
- Non-operating expenses for fiscal year 2018 increased 150.2% to \$1.0 million. The interest component of debt service decreased 4.5% with the continued pay-down of the system debt. There was an increase in the reduction in costs to be recovered from future revenue, (deferred inflows of resources) and the change in the rate model is outlined in Note B to the basic financial statements.



MANAGEMENT'S DISCUSSION AND ANALYSIS

Year Ended June 30, 2019

OVERVIEW OF THE FINANCIAL STATEMENTS

The annual financial report consists of two parts: Management's Discussion and Analysis (this section) and the financial statements. The Authority is a self-supporting entity and follows enterprise fund accounting. The enterprise fund concept is similar to the manner in which private business enterprises are financed and operated. The Authority presents its financial statements on the accrual basis of accounting. The statements offer short and long-term financial information about the activities and operations of the Authority. The intent is that the costs of providing service to water users on a continuing basis are financed primarily through user charges. The Authority has established certain restricted "funds or accounts," as directed by internal resolution and bond indentures. In an effort to ensure compliance with the Authority's by-laws and to safeguard its assets, internal controls have been developed and implemented by management. These internal controls include policies, procedures, approved organizational structures and approved budgets for capital and operating expenditures.

FINANCIAL ANALYSIS OF THE AUTHORITY

The Authority's total net position was approximately \$97.8 million as of June 30, 2019. In fiscal year 2019, total assets and deferred outflows increased 6.8% to \$297.2 million, primarily due to investments in capital assets and an increase in restricted cash related to the Raritan system debt service rate component. Total liabilities decreased .4% to \$178.3 million. Total net position as of June 30, 2018 was approximately \$88.4 million. Total assets and deferred outflows at June 30, 2018 increased 27.3% to \$278.3 million, primarily due to an increase in accounts receivable related to the 2018 interim financing for the Raritan Basin Canal Dredging Project. Total liabilities increased 30.5% to \$178.9 million, due to an increase in the non-current portion of bonds, notes and loans payable related to the interim financing for the Raritan Basin Canal Dredging Project and recognition of the OPEB liability. Total net position as of June 30, 2017 was \$81.2 million. Changes in assets, liabilities and net position at June 30, 2019, 2018 and 2017 are summarized in the following table:



MANAGEMENT'S DISCUSSION AND ANALYSIS

Year Ended June 30, 2019

	2019	2018	2017	Percentage Change 2019-2018	Percentage Change 2018-2017
Assets and deferred outflows of resources					
Current assets	\$ 126,825,401	\$ 115,729,179	\$ 58,452,649	9.59 %	97.99 %
Capital assets, net	153,997,877	144,437,281	139,466,728	6.62	3.56
Other non-current assets	9,448,283	10,715,097	11,104,025	(11.82)	(3.50)
Total assets	290,271,561	270,881,557	209,023,402	7.16	29.59
Deferred outflows of resources	6,967,231	7,402,086	9,612,405	(5.87)	(22.99)
Total assets and deferred outflows of resources	297,238,792	278,283,643	218,635,807	6.81	27.28
Liabilities, deferred inflows of resources, and net position					
Current liabilities	14,443,745	16,190,347	8,585,118	(10.79)	88.59
Non-current liabilities	46,735,071	56,508,420	67,630,932	(17.30)	(16.45)
Non-current portion of bonds, notes and loans payable	117,087,166	106,195,514	60,835,554	10.26	74.56
Total liabilities	178,265,982	178,894,281	137,051,604	(0.35)	30.53
Deferred inflows of resources	21,186,635	10,966,105	340,094	93.20	3,124.43
Net investment in capital assets	57,912,526	59,275,272	61,887,512	(2.30)	(4.22)
Restricted for debt service	20,058,979	13,434,461	7,262,065	49.31	85.00
Unrestricted	19,814,670	15,713,524	12,094,532	26.10	29.92
Total net position	\$ 97,786,175	\$ 88,423,257	\$ 81,244,109	10.59	8.84
Total liabilities, deferred inflows of resources, and net position	\$ 297,238,792	\$ 278,283,643	\$ 218,635,807	6.81	27.28



MANAGEMENT'S DISCUSSION AND ANALYSIS

Year Ended June 30, 2019

OPERATING ACTIVITIES

The Authority operates three separate systems: the Raritan Basin System, the Manasquan Water Supply System, and the Manasquan Water Treatment Plant and Transmission System. The Manasquan Water Treatment Plant and Transmission System is owned by the Southeast Monmouth Municipal Utilities Authority, which sets the rates, and is operated and maintained by the Authority under the terms of an operating agreement. Each system must generate sufficient revenue each year to cover its own operating expenses and debt service. The following rates were adopted at the May 2019 and June 2018 Authority meetings, respectively, based on anticipated operating expenses:

	Rate Effective <u>7/01/2019</u>	Rate Effective <u>7/01/2018</u>	Percent <u>Change</u>
Raritan Basin System	\$ 336.00/mg	\$ 336.00/mg	0 %
Manasquan Water Supply System			
Initial users	\$1,043.35/mg	\$1,043.35/mg	0 %
Delayed water users	\$1,137.76/mg	\$1,137.76/mg	0 %

The Authority's total operating revenue for fiscal year 2019 was \$32.7 million, an increase of .09% from fiscal year 2018, due to a .3% increase in Raritan water sales and a .5% decrease in Manasquan water sales. The Authority's total operating expenses for fiscal year 2019 were \$23.4 million, a decrease of 6.7% from fiscal year 2018, mainly because of a decrease in fringe benefit expense. The Authority's total operating revenue for fiscal year 2018 was \$32.7 million, an increase of 16.5% from fiscal year 2017. The Authority's total operating expenses for fiscal year 2018 were \$25.0 million, an increase of 1.4% from fiscal year 2017. The following table summarizes the changes in revenue, expenses and net position between fiscal years 2019, 2018 and 2017:



MANAGEMENT'S DISCUSSION AND ANALYSIS

Year Ended June 30, 2019

	2019	2018	2017	Percentage Change 2019-2018	Percentage Change 2018-2017
Operating revenues:					
Water sales	\$ 30,060,964	\$ 30,030,868	\$ 25,394,799	0.10 %	18.26 %
Reimbursement of operating expenses	2,642,400	2,642,400	2,642,400	-	-
Total operating revenues	<u>32,703,364</u>	<u>32,673,268</u>	<u>28,037,199</u>	0.09	16.54
Non-operating revenues:					
State of New Jersey - Grant Programs	46,130	31,422	171,310	46.81	(81.66)
Investment and interest income	1,111,940	489,763	(25,188)	127.04	2,044.43
Rental income	57,179	49,565	49,606	15.36	(0.08)
Other income	66,083	(10,832)	(192,822)	710.07	94.38
Total non-operating revenues	<u>1,281,332</u>	<u>559,918</u>	<u>2,906</u>	128.84	19,167.65
Total revenues	<u>33,984,696</u>	<u>33,233,186</u>	<u>28,040,105</u>	2.26	18.52
Operating expenses:					
Payroll	8,014,260	7,882,193	7,425,938	1.68	6.14
Operations and maintenance	5,224,452	5,697,087	5,165,250	(8.30)	10.30
Fringe benefits	5,393,499	6,819,571	7,498,085	(20.91)	(9.05)
Depreciation	4,733,018	4,637,409	4,596,764	2.06	0.88
Total operating expenses	<u>23,365,229</u>	<u>25,036,260</u>	<u>24,686,037</u>	(6.67)	1.42
Non-operating expenses:					
Interest component of debt service to the State of New Jersey	320,110	444,018	464,824	(27.91)	(4.48)
Bond discount/insurance premium expense	-	-	12,491	-	(100.00)
Recovery of deferred inflows of resources	936,439	573,760	(2,502,694)	63.21	122.93
Total non-operating expenses	<u>1,256,549</u>	<u>1,017,778</u>	<u>(2,025,379)</u>	23.46	150.25
Total Expenses	<u>24,621,778</u>	<u>26,054,038</u>	<u>22,660,658</u>	(5.50)	14.97
Changes in net position	<u>9,362,918</u>	<u>7,179,148</u>	<u>5,379,447</u>	30.42	33.46
Net position, beginning of year, as restated	<u>88,423,257</u>	<u>81,244,109</u>	<u>113,608,747</u>	8.84	(28.49)
Net position, end of year, as previously reported	<u>97,786,175</u>	<u>88,423,257</u>	<u>118,988,194</u>	10.59	(25.69)
GASB 75 adjustment	-	-	(37,744,085)	(100.00)	(100.00)
Net position, end of year, as restated	<u>\$ 97,786,175</u>	<u>\$ 88,423,257</u>	<u>\$ 81,244,109</u>	10.59	8.84

See accompanying notes.

CAPITAL ASSETS AND DEBT ADMINISTRATION

At June 30, 2019, the Authority had a total of \$153,997,877 invested in the Systems that it operates: \$101,824,971 invested in the Raritan Basin System, and \$52,172,906 invested in the Manasquan System. This total amount represents a 6.6% increase from last year. At June 30, 2018, the Authority had a total of \$144,437,281 invested in the Systems that it operates: \$90,438,403 invested in the Raritan Basin System, and \$53,998,878 invested in the Manasquan System. This total amount represents a 3.6% increase from the prior year.



MANAGEMENT'S DISCUSSION AND ANALYSIS

Year Ended June 30, 2019

The following table summarizes the changes in capital assets, net of depreciation, between fiscal years 2019, 2018 and 2017:

	2019	2018	2017	Percentage Change 2019-2018	Percentage Change 2018-2017
Land and land rights	\$ 26,444,952	\$ 26,444,952	\$ 26,444,952	- %	- %
Dams	45,811,031	46,609,025	47,407,020	(1.71)	(1.68)
Building, structures and improvements	50,298,692	53,827,471	54,876,544	(6.56)	(1.91)
Machinery and equipment	1,706,230	1,425,417	1,411,333	19.70	1.00
Construction work in progress	29,736,972	16,130,416	9,326,879	84.35	72.95
Total capital assets	\$ 153,997,877	\$144,437,281	\$139,466,728	6.62	3.56

More detailed information about the Authority's capital assets is presented in Note C to the basic financial statements.

The following table summarizes the changes in capital debt between fiscal years 2019, 2018 and 2017:

	2019	2018	2017	Percentage Change 2019-2018	Percentage Change 2018-2017
Bonds payable	\$ 12,619,179	\$ 15,748,257	\$ 18,802,335	(19.87) %	(16.24) %
Notes payable	33,566,892	33,566,892	33,566,892	-	-
Loans payable	74,976,680	60,811,617	12,318,018	23.29	393.68
Total	\$ 121,162,751	\$110,126,766	\$ 64,687,245	10.02	70.24

At year-end, the Authority had \$121,162,751 in bonds, notes and loans principal outstanding, compared to \$110,126,766 at June 30, 2018. This change represents an increase of 10.0%. The change in bonds, notes and loans principal outstanding at June 30, 2018, compared to the total of \$64,687,245 at June 30, 2017, represents an increase of 70.2%, as shown in the above table.

More detailed information about the Authority's long-term debt is presented in Note E to the basic financial statements.



MANAGEMENT'S DISCUSSION AND ANALYSIS

Year Ended June 30, 2019

CURRENT AND NEW BUSINESS

During fiscal year 2019, the Authority supplied water to 32 contractual customers of the Raritan Basin System, who, in turn, supplied water to approximately 1,500,000 people in central New Jersey. Two customers accounted for approximately 84% of total Raritan Basin System operating revenue. There was no change in the sales base of the Raritan Basin System of 182.353 mgd in fiscal year 2019. In addition, during fiscal year 2019, the Authority provided water to 13 contractual customers of the Manasquan Water Supply System, who provided water to approximately 250,000 people in the Monmouth County area. During fiscal years 2019 and 2018, three customers accounted for approximately 85% of the total Manasquan System operating revenue. There is no expected change in the sales base of the Manasquan Water Supply system of 19.443 mgd in fiscal year 2020.

CONTACTING THE AUTHORITY'S FINANCIAL MANAGEMENT

This financial report is designed to provide the water customers, New Jersey citizens, investors and creditors with a general overview of the Authority's finances and to demonstrate the Authority's accountability as a self-supporting entity. The Authority's overall financial position has improved; total net position has increased and the Authority continues to receive favorable bond ratings. If you have questions about this report or need additional financial information, you can contact the New Jersey Water Supply Authority at 1851 Highway 31, P.O. Box 5196, Clinton, New Jersey 08809, (908) 638-6121 or visit our website at www.njwsa.org.

BASIC FINANCIAL STATEMENTS

NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY
STATEMENTS OF NET POSITION

	June 30,	
	2019	2018*
Assets		
Current assets:		
Unrestricted assets:		
Cash and cash equivalents	\$ 46,855,543	\$ 48,177,628
Unbilled sales	1,493,831	1,501,023
Accounts receivable, less allowance for doubtful accounts of \$1,000 at June 30, 2019 and 2018	54,096,481	49,295,613
Interest receivable	160,219	167,778
Prepaid expenses and other current assets	1,076,072	977,780
Total unrestricted current assets	<u>103,682,146</u>	<u>100,119,822</u>
Restricted assets:		
Cash equivalents	23,143,255	15,609,357
Total current assets	<u>126,825,401</u>	<u>115,729,179</u>
Non-current assets:		
Investments	9,448,283	10,715,097
Capital assets, net	153,997,877	144,437,281
Total non-current assets	<u>163,446,160</u>	<u>155,152,378</u>
Total assets	<u>290,271,561</u>	<u>270,881,557</u>
Deferred outflows of resources		
Pension related	5,501,791	6,905,770
OPEB related	824,121	5,736
2018 construction loan DEP fee	641,319	490,580
Total deferred outflows of resources	<u>6,967,231</u>	<u>7,402,086</u>
Total assets and deferred outflows of resources	<u>\$ 297,238,792</u>	<u>\$ 278,283,643</u>
Liabilities		
Current liabilities:		
Current portion of bonds, notes and loans payable	4,075,585	3,931,252
Accounts payable	4,743,219	7,305,033
Accrued liabilities	2,540,665	2,779,166
Unearned revenue	3,084,276	2,174,896
Total current liabilities	<u>14,443,745</u>	<u>16,190,347</u>
Non-current liabilities:		
Non-current portion of bonds, notes and loans payable	117,087,166	106,195,514
Net pension liability	19,884,740	23,038,776
Total OPEB liability	26,850,331	33,469,644
Total non-current liabilities	<u>163,822,237</u>	<u>162,703,934</u>
Total liabilities	<u>178,265,982</u>	<u>178,894,281</u>
Deferred inflows of resources:		
Cost recovery	(69,904)	(567,296)
Pension related	7,141,533	5,345,883
OPEB related	13,629,222	5,589,091
Gain on refunding	485,784	598,427
Total deferred inflows of resources	<u>21,186,635</u>	<u>10,966,105</u>
Total liabilities and deferred inflows of resources	<u>199,452,617</u>	<u>189,860,386</u>
Net Position		
Net investment in capital assets	57,912,526	59,275,272
Restricted for debt service	20,058,979	13,434,461
Unrestricted	19,814,670	15,713,524
Total net position	<u>97,786,175</u>	<u>88,423,257</u>
Total liabilities, deferred inflows of resources, and net position	<u>\$ 297,238,792</u>	<u>\$ 278,283,643</u>

*Certain balances have been reclassified to conform to current year presentation.
See accompanying notes.

NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY

STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION

	Years Ended June 30,	
	2019	2018
Operating revenues:		
Water sales	\$ 30,060,964	\$ 30,030,868
Reimbursement of operating expenses	2,642,400	2,642,400
Total operating revenues	<u>32,703,364</u>	<u>32,673,268</u>
Operating expenses:		
Payroll	8,014,260	7,882,193
Operations and maintenance	5,224,452	5,697,087
Fringe benefits	5,393,499	6,819,571
Depreciation	4,733,018	4,637,409
Total operating expenses	<u>23,365,229</u>	<u>25,036,260</u>
Income from operations	9,338,135	7,637,008
Non-operating revenues:		
State of New Jersey - Grant Programs	46,130	31,422
Investment and interest income	1,111,940	489,763
Rental income	57,179	49,565
Other income	66,083	(10,832)
Total non-operating revenues	<u>1,281,332</u>	<u>559,918</u>
Non-operating expenses:		
Interest component of debt service to the State of New Jersey	320,110	444,018
Recovery of deferred inflows of resources	936,439	573,760
Total non-operating expenses	<u>1,256,549</u>	<u>1,017,778</u>
Changes in net position	9,362,918	7,179,148
Net position, beginning of year	88,423,257	81,244,109
Net position, end of year	<u>\$ 97,786,175</u>	<u>\$ 88,423,257</u>

See accompanying notes.

NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY

STATEMENTS OF CASH FLOWS

	Years Ended June 30,	
	2019	2018*
Cash flows from operating activities		
Cash received from water sales	\$ 28,746,966	\$ 29,965,054
Cash received from reimbursable expenses	2,656,085	2,591,994
Cash received from rental income	114,201	36,533
Cash paid to or on behalf of employees	(12,937,912)	(12,128,509)
Cash paid to suppliers	(5,383,309)	(5,402,207)
Net cash provided by operating activities	<u>13,196,031</u>	<u>15,062,865</u>
Cash flows from noncapital financing activities		
Cash received for grant programs	27,377	31,422
Net cash provided by non-capital financing activities	<u>27,377</u>	<u>31,422</u>
Cash flows from capital and related financing activities		
Proceeds from borrowing	11,614,705	-
Principal paid on bonds, notes and loans	(3,824,376)	(4,847,782)
Interest paid on bonds, notes and loans	(373,284)	(472,615)
Acquisition and construction of capital assets	(16,879,143)	(691,954)
Proceeds from sale of capital assets	64,190	(12,550)
Net cash used in capital and related financing activities	<u>(9,397,908)</u>	<u>(6,024,901)</u>
Cash flows from investing activities		
Sale of investment securities	6,058,000	245,000
Purchase of investment securities	(5,220,924)	88,209
Interest received on investments	1,119,499	492,593
Premium on matured investments	429,738	55,719
Net cash provided/(used) by investing activities	<u>2,386,313</u>	<u>881,521</u>
Net increase in cash and cash equivalents	6,211,813	9,950,907
Cash and cash equivalents, beginning of year	63,786,985	53,836,078
Cash and cash equivalents, end of year	<u>\$ 69,998,798</u>	<u>\$ 63,786,985</u>
Reconciliation of income from operations to net cash provided by operating activities:		
Income from operations	9,338,135	7,637,008
Adjustments to reconcile income from operations to net cash provided by operating activities:		
Cash received for operating activity included in other income	59,072	51,283
Depreciation	4,733,018	4,637,409
Increase (decrease) in cash from:		
Unbilled sales	7,192	(326,326)
Accounts receivable	(1,311,644)	207,193
Prepaid expenses and other current assets	(98,292)	22,733
Accounts payable	12,395	274,457
Accrued liabilities	(1,551)	9,487
Accrued payroll and taxes	(190,320)	561,651
Net pension liability	45,593	679,057
Net OPEB liability	602,433	1,308,913
Net cash provided by operating activities	<u>\$ 13,196,031</u>	<u>\$ 15,062,865</u>
Non-cash investing activities		
Decrease in fair value of investments	<u>\$ (267,813)</u>	<u>\$ (383,171)</u>

* Certain balances have been reclassified to conform to current year presentation.
See accompanying notes.

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS

A. ORGANIZATION AND OPERATIONS

The New Jersey Water Supply Authority (the "Authority"), a component unit of the State of New Jersey (the "State"), consisting of the Spruce Run/Round Valley Reservoirs Complex, the Delaware and Raritan Canal Transmission Complex (the "Raritan Basin System") and the Manasquan Reservoir Water Supply System (the "Manasquan System"), is a public body, corporate and politic, constituted as an instrumentality of the State, exercising public and essential governmental functions. The Authority was created by the New Jersey Water Supply Authority Act (the "Act") on October 7, 1981, and in connection with the Act, all water supply facilities owned or operated by the State (*i.e.*, *Raritan Basin System*) were transferred or leased to the Authority. The Act empowers the Authority to acquire, finance, construct and operate water systems and issue bonds. Members of the Authority consist of the Commissioner of the New Jersey Department of Environmental Protection ("NJDEP"), *ex officio* member, and six public members appointed by the Governor upon the advice and consent of the New Jersey Senate. The public members represent the agricultural community, industrial water users, residential water users, private watershed associations, public finance and water resource management and distribution. The Authority prepares an annual budget that is used to establish rates and as a management tool but the budget does not constitute a legal budget or establish spending limitations.

The Authority does not have component units that should be included within its financial statements.

B. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The Authority is a component unit of the State of New Jersey and is included in their general purpose financial statements.

The accompanying basic financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America as prescribed by the Governmental Accounting Standards Board ("GASB").

In its accounting and financial reporting, the Authority follows the pronouncements of the GASB and other entities that promulgate accounting principles. GASB Statement 76, *The Hierarchy of Generally Accepted Accounting Principles for State and Local Governments*, establishes the order of priority of pronouncements and other sources of accounting and financial reporting guidance that a governmental entity should apply. Per the Statement, the sources of authoritative generally accepted accounting principles ("GAAP") are categorized in descending order of authority as follows: GASB Statements and Interpretations, GASB Technical Bulletins, GASB Implementation Guides, and literature of the American Institute of Certified Public Accountants ("AICPA") cleared by the GASB. Authoritative GAAP is incorporated periodically into the Codification of Governmental Accounting and Financial Reporting Standards (Codification), and when presented in the Codification, it retains its authoritative status. If the accounting treatment for a transaction or other event is not specified within a source of authoritative GAAP described above, a governmental entity should first

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

B. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Basis of Accounting (Continued)

consider accounting principles for similar transactions or other events within a source of authoritative GAAP described above and then may consider nonauthoritative accounting literature from other sources. These include GASB Concepts Statements; pronouncements and other Statements, pronouncements and other literature of the Financial Accounting Standards Board ("FASB"), Federal Accounting Standards Advisory Board, International Public Sector Accounting Standards Board, and International Accounting Standards Board, and AICPA literature not cleared by the GASB; practices that are widely recognized and prevalent in state and local government; literature of other professional associations or regulatory agencies; and accounting textbooks, handbooks and articles.

The Authority derives most of its revenue from water user charges and is considered to be an enterprise fund; accordingly, the Authority presents its financial statements on the accrual basis of accounting. In addition, the Authority has established certain restricted "funds or accounts" as directed by internal resolution and bond indentures.

Revenue

Charges for wholesale water usage are established to provide revenue sufficient for services, essential repairs and improvements to the utility plant, and repayment of debt service on certain long-term obligations used for plant construction. Sales are recognized as revenue when water is made available to customers, and the customers are billed in the following month or quarter.

The Authority distinguishes operating revenue and expenses from non-operating items. Operating revenue and expenses result from the sale of water to customers. Operating expenses include costs of providing water, administrative expenses and depreciation on capital assets. All revenue and expenses not meeting this definition are reported as non-operating revenue and expenses.

Capital Assets

Capital assets are stated at original cost and consist primarily of amounts expended to license, construct, acquire, complete and place into operation the projects of the Authority. Capital assets are defined by the Authority as assets with an initial individual cost of more than \$1,000 and an estimated useful life in excess of three years. Such expenditures include labor, materials, services and indirect costs. Normal maintenance and repair costs are charged to operations and maintenance expense. Improvements and replacements are capitalized. Interest earned on long-term debt proceeds used for capital asset construction and temporarily invested during the construction period is netted against interest cost. The excess, if any, is capitalized to construction work in progress, and the portion related to completed projects is expensed. The cost of capital assets retired, net of any gain or loss on the disposal of such capital assets, is offset to accumulated depreciation. The Authority also holds several restricted easements for utility access, conservation and water rights. These easements are recorded at the lower of cost or fair market value upon acquisition.

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

B. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Depreciation

Capital assets are depreciated on the straight-line basis over the estimated useful lives of the various classes of plant, as follows:

Dams	100 years
Buildings, structures and improvements	15-40 years
D&R canal dredging	20 years
Machinery and equipment	3-10 years

Cash and Cash Equivalents

For purposes of the statements of cash flows, the Authority considers short-term investments that have original maturities of ninety days or less to be cash equivalents.

Investments

Short-term investments and restricted investments used for construction and payment of interest consist of money market funds and U.S. government-backed securities with various interest rates. Restricted investments are restricted under the terms of the Authority's bond indentures for the payment of debt service. All investments are carried at fair value, in accordance with GASB Statement No. 31, *Accounting and Financial Reporting for Certain Investments and for External Investment Pools* and GASB Statement No. 72, *Fair Value Measurement and Application*.

Accounts Receivable

The Authority considers most of its accounts receivable to be collectible; accordingly, the change in net position is charged with an allowance for estimated uncollectible accounts based on past experience and an analysis of current accounts receivable collectability. Accounts deemed uncollectible are charged to the allowance in the year they are deemed uncollectible.

During fiscal year 2019, three customers accounted for approximately 96% of total Raritan Basin System accounts receivable and two customers accounted for approximately 94% of total Manasquan System accounts receivable. During fiscal year 2018, two customers accounted for approximately 84% of total Raritan Basin System accounts receivable and five customers accounted for approximately 90% of total Manasquan System accounts receivable.

Compensated Absences

All full-time employees accumulate vacation benefits in varying annual amounts up to a maximum allowable accumulation of two years' benefit. Unused sick leave benefits are earned by all full-time employees at a rate of 15 days per year and may be accumulated without limit. In the event of termination, an employee is reimbursed for all accumulated vacation days. Unused sick leave benefits do not vest but are payable only upon retirement up to a maximum of \$15,000. A liability is accrued in the financial statements when incurred.

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

B. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

Income Taxes

The Authority is exempt from federal income taxes under the Internal Revenue Code, Section 115, and from state income taxes under N.J.S.A. 27:25-16, and accordingly, no provision is recorded for federal or state income taxes.

Net Position

Net position represents the difference between assets and liabilities and is classified into three categories:

- *Net Investment in Capital Assets* – This represents capital assets, net of accumulated depreciation, less the outstanding balances of any bonds, notes, or other borrowings that are attributable to the acquisition construction or improvement of those assets.
- *Restricted Net Position (debt service)* – This represents the net position that is not accessible for general use because its use is subject to restrictions enforceable by third parties. When both restricted and unrestricted resources are available for use, it is the Authority's policy to use restricted resources first and then unrestricted resources, as they are needed.
- *Unrestricted Net Position* – This represents the net position that is available for general use.

Deferred Inflows and Outflows of Resources

In addition to assets and liabilities, the statements of net position report separate sections of deferred outflows of resources and deferred inflows of resources. Deferred outflows of resources represent a consumption of net position that applies to a future period which will not be recognized as an outflow of resources until that time. Deferred inflows of resources represent an acquisition of net position that applies to a future period which will not be recognized as an inflow of resources until that time.

Deferred Inflows of Resources – Cost Recovery

The Authority's cost recovery rate model used to establish rates, fees and charges includes an amount for debt principal repayment (but not for depreciation on the related debt financed assets) and also includes vacation amounts paid. In accordance with GASB No. 62, the Authority has deferred the excess of current depreciation on assets financed with debt proceeds over the costs for debt principal repayment and the excess of vacation expense over vacation paid, and accrued sick pay, which are being classified as deferred inflows of resources. The deferred inflows will be recovered through future revenue in accordance with the rate model. The deferred amounts for the years ended June 30, 2019 and 2018, were determined as follows:

**NEW JERSEY WATER SUPPLY AUTHORITY
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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

B. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Deferred Inflows and Outflows of Resources (Continued)

Raritan Basin System	2019	2018
Cost excluded from rate model:		
Depreciation of debt-financed capital assets recoverable from rate payers	\$ 835,209	\$ 835,209
Excess vacation expense over vacation paid	13,883	39,416
Accrued sick pay	(7,580)	67,255
	841,512	941,880
Cost included in rate model:		
Debt principal repayment	-	-
	841,512	941,880
 Manasquan System		
Cost excluded from rate model:		
Depreciation of debt-financed capital assets recoverable from rate payers	\$ 1,540,854	\$ 1,540,854
Excess vacation expense over vacation paid	(649)	1,633
Accrued sick pay	891	(8,437)
	1,541,096	1,534,050
Cost included in rate model:		
Debt principal repayment	(2,880,000)	(2,805,000)
	(1,338,904)	(1,270,950)
Total Raritan Basin and Manasquan	(497,392)	(329,070)
Balance, beginning of year	567,296	896,366
Balance, end of year	\$ 69,904	\$ 567,296

As shown in the statements of revenues, expenses and changes in net position for the year ended June 30, 2019, deferred inflows of resources debit balance of \$936,439 includes a debit balance of \$432,502 of Manasquan Water Treatment Plant unearned revenue, which is not part of the rate model, and does not include a credit balance of \$6,545 of accrued vacation and sick pay. The June 30, 2018, deferred inflows of resources debit of \$573,760 includes a debit balance of \$144,823 of Manasquan Water Treatment Plant unearned revenue and does not include a credit balance of \$99,867 of accrued vacation and sick pay.

Deferred Inflows/Outflow of Resources – Debt Refunding

Deferred charges for debt refunding result from the difference between the net carrying amount of refunded bonds and the amount deposited to escrow to defease the bonds. In accordance with GASB 23, the Authority has deferred the difference between the reacquisition price and the net carrying amount of the Manasquan Reservoir Water Supply System Revenue Bonds, Series 2005. The deferred amount is reported as a deferred inflow of resources and amortized as a component of interest expense over the remaining life of the Manasquan Reservoir Water Supply System Refunding Bonds, Series 2016.

**NEW JERSEY WATER SUPPLY AUTHORITY
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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

B. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Deferred Inflows and Outflows of Resources (Continued)

Deferred Inflows/Outflow of Resources – Pensions & Other Postretirement Benefits (OPEB)

Deferred charges for defined benefit plans result from the difference between expected (actuarial) and actual experience, changes in actuarial assumptions, net difference between projected (actuarial) and actual earnings on plan investments, changes in the State's proportion of expenses and liabilities to the plans as a whole, differences between the Authority's plan contributions and its proportionate share of contributions, and the Authority's pension contributions subsequent to the pension valuation measurement date.

Accounting for Southeast Monmouth Municipal Utilities Authority Agreement

The Authority operates and maintains a Water Treatment Plant/Transmission System for the Southeast Monmouth Municipal Utilities Authority ("SMMUA"). The SMMUA is charged for budgeted operating expenses expected to be incurred by the Authority during the SMMUA's fiscal year (January 1 through December 31).

Because of the difference resulting from billing the SMMUA for budgeted expenses versus actual expenses appearing in the financial statements, the Authority includes unearned costs (actual costs exceeding SMMUA billings) or unearned revenue (SMMUA billings exceeding actual costs) in its statements of net position. These excess costs or billings will be recovered or recognized in future periods. As of June 30, 2019 and 2018, unearned revenue amounting to \$2,268,289 and \$1,835,787, respectively, was determined as follows:

	<u>2019</u>	<u>2018</u>
Reimbursement of operating expenses	\$ 2,678,716	\$ 2,655,015
Operating expenses	2,246,214	2,510,192
Unearned revenue	432,502	144,823
Balance, beginning of year	<u>1,835,787</u>	<u>1,690,964</u>
Balance, end of year	<u>\$ 2,268,289</u>	<u>\$ 1,835,787</u>

In previous years, the Authority received additional funds that are restricted for use by the SMMUA for costs associated in operating the Water Treatment Plant. As of June 30, 2019 and 2018, the amount included in unearned revenue was \$340,987 and \$339,109, respectively.

**NEW JERSEY WATER SUPPLY AUTHORITY
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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

B. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

Accounting for Watershed Protection Program

For the fiscal years ended June 30, 2019 and 2018, the Authority received \$35,870 and \$186,793, respectively, from the federal and/or state environmental agencies for the costs associated with various watershed protection studies of the Raritan Basin System. These funds are restricted to uses specifically identified in grant agreements between the Authority and these agencies and will be recognized as revenue as the related costs are incurred. Eligible project expenses include, but are not limited to, the cost of mapping out streams and other water sources and studying and implementing best land use practices to improve water quality. As of June 30, 2019, all the funds received had been recognized as revenue.

C. CAPITAL ASSETS

Capital assets activity for the years ended June 30, 2019 and 2018, was as follows:

	2019 Beginning Balance	Additions	Retirements	2019 Ending Balance
Capital assets not being depreciated:				
Land	\$ 26,444,952	\$ -	\$ -	\$ 26,444,952
Construction work in progress	16,130,416	13,606,556	-	29,736,972
Total capital assets not being depreciated	42,575,368	13,606,556	-	56,181,924
Capital assets being depreciated:				
Dams	77,369,160	-	-	77,369,160
Building, structures and improvements	142,443,278	9,080	-	142,452,358
D & R Canal dredging	21,160,274	-	-	21,160,274
Machinery and equipment	6,639,585	679,698	(337,541)	6,981,742
Total capital assets being depreciated	247,612,297	688,778	(337,541)	247,963,534
Less accumulated depreciation for:				
Dams	(30,760,135)	(797,994)	-	(31,558,129)
Building, structures and improvements	(88,615,808)	(3,537,858)	-	(92,153,666)
D & R Canal dredging	(21,160,273)	(1)	-	(21,160,274)
Machinery and equipment	(5,214,168)	(397,165)	335,821	(5,275,512)
Total accumulated depreciation	(145,750,384)	(4,733,018)	335,821	(150,147,581)
Total capital assets being depreciated, net	101,861,913	(4,044,240)	(1,720)	97,815,953
Total net investment in capital assets	\$ 144,437,281	\$ 9,562,316	\$ (1,720)	\$ 153,997,877

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

C. CAPITAL ASSETS (CONTINUED)

	2018		2018	
	Beginning		Retirements	Ending
	Balance	Additions		Balance
Capital assets not being depreciated:				
Land	\$ 26,444,952	\$ -	\$ -	\$ 26,444,952
Construction work in progress	9,326,879	9,265,054	(2,461,517)	16,130,416
Total capital assets not being depreciated	35,771,831	9,265,054	(2,461,517)	42,575,368
Capital assets being depreciated:				
Dams	77,369,160	-	-	77,369,160
Building, structures and improvements	140,094,325	2,482,861	(133,908)	142,443,278
D & R Canal dredging	21,160,274	-	-	21,160,274
Machinery and equipment	6,443,907	357,145	(161,467)	6,639,585
Total capital assets being depreciated	245,067,666	2,840,006	(295,375)	247,612,297
Less accumulated depreciation for:				
Dams	(29,962,140)	(797,995)	-	(30,760,135)
Building, structures and improvements	(85,217,782)	(3,496,353)	98,327	(88,615,808)
D & R Canal dredging	(21,160,273)	-	-	(21,160,273)
Machinery and equipment	(5,032,574)	(343,061)	161,467	(5,214,168)
Total accumulated depreciation	(141,372,769)	(4,637,409)	259,794	(145,750,384)
Total capital assets being depreciated, net	103,694,897	(1,797,403)	(35,581)	101,861,913
Total net investment in capital assets	<u>\$ 139,466,728</u>	<u>\$ 7,467,651</u>	<u>\$ (2,497,098)</u>	<u>\$ 144,437,281</u>

D. CASH, CASH EQUIVALENTS, AND INVESTMENTS*

New Jersey statutes permit the deposit of public funds in the State of New Jersey Cash Management Fund ("NJCMF") or in institutions located in New Jersey that are insured by the Federal Deposit Insurance Corporation (the "FDIC") or by any other agencies of the United States that insure deposits. All funds of the Authority may be invested in, obligations of, or guaranteed by, the U.S. government.

The Authority's bond resolutions limit the investment of restricted assets to obligations of the U.S. government or its agencies, investments in certain certificates of deposit of commercial banks that are members of the Federal Reserve System, investments in the NJCMF, and direct and general obligations of any state that meets the minimum requirements of the resolution.

1. Cash

As of June 30, 2019 and 2018, the Authority's bank balance was \$70,306,338 and \$63,886,425, respectively, of which \$250,000 was covered through the FDIC. The remaining balance of \$70,056,338 and \$63,636,425 as of June 30, 2019 and 2018, respectively, was collateralized, and the cash balance per the statements of net position is shown exclusive of outstanding checks totaling \$307,840 and \$99,740, respectively. The statement of net position amount includes petty cash totaling \$300 as of June 30, 2019 and 2018, respectively.

* Certain balances have been reclassified to conform to the current year presentation.

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

D. CASH, CASH EQUIVALENTS, AND INVESTMENTS (CONTINUED)*

2. Custodial Credit Risk – Deposits

Custodial credit risk is the risk that, in the event of a bank failure, the Authority's deposits may not be returned. The Authority does not have a deposit policy for custodial credit risk. The Authority's bank balance of \$70,306,338 and \$63,886,425 as of June 30, 2019 and 2018, respectively, was exposed to custodial credit risk as follows:

	<u>2019</u>	<u>2018</u>
Uninsured and uncollateralized	\$ <u> -</u>	\$ <u> -</u>

3. Investments and Cash Equivalents

The Authority does not have a policy to limit interest rate risk; however, its practice is to hold investments to maturity.

The Authority categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs.

As of June 30, 2019, the Authority had the following recurring fair value measurements using current sale prices or sale prices of comparable securities for New Jersey General Obligation Bonds (Level 2 inputs) for investments and cash equivalents, and maturities:

Investment and Cash Equivalent Type	Valuation Inputs Level	Fair Value	Investment Maturities (In Years)	
			Less than 1	1-5
NJ G/O Bonds and CDs	Level 2	\$ 9,608,502	\$ 9,514,743	\$ 93,759
Total		\$ 9,608,502	\$ 9,514,743	\$ 93,759

As of June 30, 2018, the Authority had the following recurring fair value measurements using current sale prices or sale prices of comparable securities for New Jersey General Obligation Bonds (Level 2 inputs) for investments and cash equivalents, and maturities:

Investment and Cash Equivalent Type	Valuation Inputs Level	Fair Value	Investment Maturities (In Years)	
			Less than 1	1-5
NJ G/O Bonds and CDs	Level 2	\$ 10,882,875	\$ 4,471,756	\$ 6,411,119
Total		\$ 10,882,875	\$ 4,471,756	\$ 6,411,119

* Certain balances have been reclassified to conform to the current year presentation.

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

D. CASH, CASH EQUIVALENTS, AND INVESTMENTS (CONTINUED)

4. Credit and Custodial Credit Risk

In order to limit exposure to credit risk, the Authority follows the investment policies set forth by the NJCMF. These policies allow investment in securities that achieve a certain rating from the three major ratings organizations as determined annually by the governing board of the NJCMF, as well as limiting investments to certain types of marketable securities.

U.S. Treasury notes are explicitly guaranteed by the U.S. government and are not subject to credit risk or custodial credit risk.

The Authority entered into an agreement with TD Bank to collateralize all deposits held at a market rate equal to 102% of the daily combined total of all deposits. As of June 30, 2019, all deposits were collateralized.

5. Investment Income

The following comprises investment income for the years ended June 30, 2019 and 2018, respectively:

	<u>2019</u>	<u>2018</u>
Interest earned on bank accounts and certificates of deposit	\$ 903,423	\$ 325,846
Interest earned on securities	476,330	547,088
Decrease in fair value of securities	(267,813)	(383,171)
	<u>\$ 1,111,940</u>	<u>\$ 489,763</u>

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

E. BONDS, NOTES AND LOANS PAYABLE

Manasquan System

1. Notes Due to State of New Jersey

The Authority has a contractual obligation to repay the following debt:

The \$63,600,000 of Manasquan Reservoir Water Supply System State Loan Notes (the "State Loan Notes") issued June 3, 1987, pursuant to the terms of the State Loan Agreement between the Authority and the State of New Jersey (the "State Loan Agreement"), from monies authorized by the 1981 bond appropriation of \$72,000,000 for construction of the Manasquan System and the \$7,416,000 of Interim Advance Notes issued September 12, 1988, from monies made available from the General Fund of the State to finance completion costs of the Manasquan System. The State Loan Notes and the Completion Loan Notes bear interest at 5.93% and 6.24%, respectively, and are collateralized by the property and revenues of the Manasquan System.

In accordance with the terms of the State Loan Agreement, the State Loan Notes are classified as either Current Debt Service Portion Notes ("Current Notes") or Deferred Debt Service Portion Notes ("Deferred Notes"). Principal of the Deferred Notes will be discharged solely by exchange for Current Notes or by the expiration of a period of forty years from the date of their issuance, which was June 3, 1987. The Deferred Notes must be exchanged for Current Notes on a pro rata basis to the extent that the Authority enters into additional long-term contracts to sell water from the Manasquan System on an annual basis. Such Current Notes are payable over a thirty-year period commencing from such date as is defined in the State Loan Agreement.

Interest on the Deferred Notes accreted as principal through July 31, 1993, and is not payable until they have been exchanged for Current Notes. The interest that accreted as principal through July 31, 1990, accrued interest; however, the interest that accreted for the period from August 1, 1990 through July 31, 1993, did not accrue interest. The accretion of interest to the principal amount for the Current Notes and the Deferred Notes is \$25,563,184 at June 30, 2019 and 2018.

On May 12, 2016, the Authority repaid the State of New Jersey \$78,651.22 for principal and all accrued interest on outstanding Current State Loan Notes and Completion Notes. At June 30, 2019 and 2018, the State Loan Notes and Completion Loan Notes are summarized as follows:

State Loan Notes	2019	2018
Current Notes	\$ -	\$ -
Deferred Notes	30,365,115	30,365,115
Completion Loan Notes		
Current Notes	\$ -	\$ -
Deferred Notes	3,201,777	3,201,777
	<u>\$33,566,892</u>	<u>\$ 33,566,892</u>

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

E. BONDS, NOTES AND LOANS PAYABLE (CONTINUED)

Manasquan System (Continued)

2. Manasquan Reservoir Water Supply System Revenue Bonds, Series 2005

On August 5, 2005, the Authority issued \$47,535,000 in Manasquan Reservoir Water Supply System Revenue Bonds, Series 2005. The proceeds, together with other monies on deposit, were used to prepay \$49,293,438 in Current Manasquan State Loan Notes and Completion Loan Notes, the proceeds of which were used to construct the Manasquan Water Supply System. The Revenue Bonds, Series 2005, carried a bond yield of 3.95%, and were scheduled to mature in incremental annual principal amounts through 2031.

The property, and 100% of the revenue generated by the Debt Service Component of the Rate for both initial system customers and delayed water purchase customers of the Manasquan System, was pledged as collateral for the 2005 Bonds. The Debt Service Component of the Rate represents 120% of the principal and interest requirements. For the years ended June 30, 2019 and 2018, the debt service component of the rate generated \$4,201,848 and \$4,201,848, respectively.

The Revenue Bonds, Series 2005, had a principal balance of \$26,105,000 at June 30, 2015. Those bonds maturing on or after August 1, 2016, were subject to redemption prior to their stated maturity dates at the option of the Authority. The last principal payment of \$2,940,000 was made on August 1, 2015. The remaining 2005 Bonds were redeemed on June 15, 2016, for \$23,596,126 including accrued interest.

3. Manasquan Reservoir Water Supply System Refunding Bonds, Series 2016

On April 26, 2016, the Authority issued \$17,460,000 in Manasquan Reservoir Water Supply System Refunding Bonds, Series 2016. The proceeds, together with other monies on deposit in the amount of \$6,340,964, were used to prepay \$23,242,358 in Manasquan Reservoir Water Supply System Revenue Bonds, Series 2005 and Current Manasquan State Loan Notes and Completion Loan Notes.

The Refunding Bonds, Series 2016, have a principal balance of \$11,545,000 at June 30, 2019, carry a bond yield of 1.59%, and mature in incremental annual principal amounts through 2031. Principal maturities for the year ending June 30, 2020, are \$3,015,000.

The property, and 100% of the revenue generated by the Debt Service Component of the Rate for both initial system customers and delayed water purchase customers of the Manasquan System, was pledged as collateral for the 2016 Bonds. The Debt Service Component of the Rate represents 120% of the principal and interest requirements. The pledged revenue will be unavailable for other purposes until August 1, 2031.

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

E. BONDS, NOTES AND LOANS PAYABLE (CONTINUED)

Manasquan System (Continued)

3. Manasquan Reservoir Water Supply System Refunding Bonds, Series 2016 (Continued)

For the years ended June 30, 2019 and 2018, interest expense on the 2016 Bonds amounted to \$516,521 and \$626,497, respectively, and the related interest income earned on the restricted investments account amounted to \$0 and \$0, respectively.

The current refunding resulted in a difference between the par amount of the refunding bonds and the par amount of the refunded bonds of \$5,782,358. The net premium received on the refunding bonds was \$1,821,414, is reported with bonds payable on the statements of net position and is being charged to operations using a method that approximates the effective interest method over the shorter of the remaining life of the old debt or the life of the new debt. Although the refunding resulted in an accounting gain of \$823,712, it was performed to reduce debt service by approximately \$5,269,268 and resulted in an economic gain (difference between the present values of the old and new debt service payments) of \$2,999,861. The accounting gain, or deferred gain on the refunding, is reported as a deferred inflow of resources.

4. New Jersey Environmental Infrastructure Financing Program (“NJEIFP”)

The New Jersey Water Supply Authority, a Component Unit of the State of New Jersey, obtained a loan from the New Jersey Environmental Infrastructure Trust (“the Trust”) for the construction of a permanent structure over the Manasquan Intake Pump Station. Under the NJEIFP, the borrowers benefit from a loan formula under which participants borrow a percentage of cost from the State Revolving Fund maintained by the NJDEP at zero interest and the remaining percentage from the Trust at the same interest rate the Trust pays on its bonds. Under the State’s Smart Growth Initiative, the interest rate is equivalent to 25 percent of the lowest available rate. Each NJEIFP loan carries a 20-year life. Property and revenue of the Manasquan Reservoir System are pledged as collateral for the loans.

The following table summarizes the NJEIFP loan outstanding for the Manasquan Reservoir System, as of June 30, 2019:

NJEIFP Series	Date of Issuance	State Revolving Fund Original Principal	Percent	Trust Original Principal	Percent	Blended Interest Rate	Outstanding Principal	Maturity
2012B	5/3/2012	\$2,312,250	76%	\$715,000	24%	0.80%	\$1,991,897	8/1/2031

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

E. BONDS, NOTES AND LOANS PAYABLE (CONTINUED)

Raritan System

5. New Jersey Environmental Infrastructure Financing Program (“NJEIFP”)

The New Jersey Water Supply Authority, a Component Unit of the State of New Jersey, obtained loans from the New Jersey Environmental Infrastructure Trust (the “Trust”) for the acquisition of source water watershed properties critical to the Raritan Basin System. Under the NJEIFP, the borrowers benefit from a loan formula under which participants borrow a percentage of the cost from the State Revolving Fund maintained by the NJDEP at zero interest and the remaining percentage from the Trust at the same interest rate the Trust pays on its bonds. Under the State’s Smart Growth Initiative, the interest rate is equivalent to 25 percent of the lowest available rate. Each NJEIFP loan carries a 20-year life, and property and revenue of the Raritan Basin System are pledged as collateral for the loans.

In fiscal year 2018, the Authority borrowed \$49,548,569 from the New Jersey Infrastructure Bank (NJIB - formerly known as the New Jersey Environmental Infrastructure Trust) through an interim note to finance its Raritan Basin System Canal Dredging project. Upon substantial completion of the project, it is anticipated that the interim loan will convert to permanent long-term financing. Terms of the long-term financing are expected to be similar to those terms of existing loans with the NJEIFP.

In fiscal year 2019, the Authority borrowed \$15,224,595 from the NJIB through an interim note to finance its Raritan Basin System Round Valley Refurbishment and Resource Preservation Project. Upon substantial completion of the project, it is anticipated that the interim loan will convert to permanent long-term financing. Terms of the long-term financing are expected to be similar to those terms of existing loans with the NJEIFP.

The following table summarizes the NJEIFP/NJIB loans outstanding for the Raritan Basin System, as of June 30, 2019:

NJEIFP Series	Date of Issuance	State Revolving Fund Original Principal	Percent	Trust Original Principal	Percent	Blended Interest Rate	Outstanding Principal	Maturity
2003A	11/6/2003	\$627,019	75%	\$235,000	25%	1.19%	\$234,612	8/1/2023
2004A	11/4/2004	1,030,000	75%	350,000	25%	1.31%	455,028	8/1/2024
2005A	11/10/2005	2,940,974	75%	1,050,000	25%	1.25%	1,044,405	8/1/2025
2006A	11/9/2006	2,099,363	75%	745,000	25%	1.26%	1,188,391	8/1/2026
2007A	11/8/2007	1,740,563	75%	620,000	25%	1.06%	1,153,723	8/1/2027
2008A	11/6/2008	1,152,000	64%	660,000	36%	1.74%	1,015,545	8/1/2028
2010A	3/10/2010	300,493	51%	290,000	49%	1.69%	336,406	8/1/2029
2010B	12/2/2010	1,064,338	52%	990,000	48%	1.87%	1,355,429	8/1/2030
2012A	5/3/2012	1,501,455	76%	465,000	24%	0.65%	1,327,039	8/1/2031
CFP-18-1	2/15/2018	-	0%	49,548,569	100%	tdb	49,548,569	tdb
CFP-19-1	6/28/2019	-	0%	15,224,595	100%	tdb	15,224,595	tdb
Total		\$12,456,205		\$70,178,164			72,883,742	

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

E. BONDS, NOTES AND LOANS PAYABLE (CONTINUED)

The following table summarizes the changes in bonds, notes and loans payable between fiscal years 2019, 2018 and 2017:

	Fiscal Year 2018	Less Payments, Net of Amortization	Debt Issued	Fiscal Year 2019	Due Within One Year
Bonds payable	\$ 15,748,257	\$ 3,129,078	\$ -	\$ 12,619,179	\$ 3,015,000
Notes payable	33,566,892	-	-	33,566,892	-
Loans payable	60,811,617	1,059,532	15,224,595	74,976,680	1,060,585
Total	\$ 110,126,766	\$ 4,188,610	\$ 15,224,595	\$ 121,162,751	\$ 4,075,585

	Fiscal Year 2017	Less Payments, Net of Amortization	Debt Issued	Fiscal Year 2018	Due Within One Year
Bonds payable	\$ 18,802,335	\$ 3,054,078	\$ -	\$ 15,748,257	\$ 2,880,000
Notes payable	33,566,892	-	-	33,566,892	-
Loans payable	12,318,018	1,054,970	49,548,569	60,811,617	1,051,252
Total	\$ 64,687,245	\$ 4,109,048	\$ 49,548,569	\$ 110,126,766	\$ 3,931,252

**NEW JERSEY WATER SUPPLY AUTHORITY
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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

E. BONDS, NOTES AND LOANS PAYABLE (CONTINUED)

Principal and interest on aggregate maturities and bonds, notes and loans, net of unamortized bond premium, are as follows:

Year Ending June 30,	Raritan Basin System	Manasquan Reservoir System	Notes Payable Manasquan System	Manasquan System Revenue Bonds Series 2016	Totals
2020	\$ 1,052,571	\$ 172,822	\$ -	\$ 3,445,962	\$ 4,671,355
2021	1,069,652	176,197	-	3,446,338	4,692,187
2022	1,043,168	174,447	-	582,213	1,799,828
2023	1,030,125	172,697	-	581,963	1,784,785
2024	907,973	175,822	-	580,713	1,664,508
2025-2029	3,188,158	868,535	-	2,880,008	6,936,701
2030-2034	575,075	431,427	-	1,707,434	2,713,936
2035-2039	-	-	-	-	-
TBD	64,773,164	-	-	-	64,773,164
Deferred Portion	-	-	33,566,892	-	33,566,892
Subtotal	73,639,886	2,171,947	33,566,892	13,224,631	122,603,356
Less amounts representing interest	756,146	180,050	-	1,679,631	2,615,827
Plus unamortized bond premium	65,248	35,795	-	1,074,179	1,175,222
Subtotal	72,948,988	2,027,692	33,566,892	12,619,179	121,162,751
Less: Current principal portion	913,013	147,572	-	3,015,000	4,075,585
Total	\$ 72,035,975	\$ 1,880,120	\$ 33,566,892	\$ 9,604,179	\$ 117,087,166

**NEW JERSEY WATER SUPPLY AUTHORITY
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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

F. EMPLOYEE BENEFITS

Pension and Retirement Plans

Full-time employees of the Authority are covered by the Public Employees' Retirement System of the State of New Jersey ("PERS"). PERS is administered by the State of New Jersey, Division of Pensions and Benefits ("Division"). The Authority has adopted GASB Statement No. 68, *Accounting and Financial Reporting for Pensions* and Statement No. 71, *Pension Transition for Contributions Made Subsequent to the Measurement Date*. Statements No. 68 and 71 require the Authority to report its share of the defined benefit pension liability and expense, as well as the related deferred outflows of resources and deferred inflows of resources, allocated to it by the PERS. For additional information about PERS, please refer to the Division's Comprehensive Annual Financial Report (CAFR) which can be found at <https://www.nj.gov/treasury/pensions/documents/financial/gasb/gasb68-pers19.pdf>.

Following is the total of the local portion of PERS' pension liabilities, pension assets, deferred outflows of resources and deferred inflows of resources related to pensions, and the pension expense and expenditures for the fiscal year ended June 30, 2019.

Net Pension Liabilities	\$19,884,740
Deferred Outflows of Resources	5,501,791
Deferred Inflows of Resources	7,141,533
Pension Expense	1,137,817
Contributions Made	1,004,540

Plan Description and Benefits

PERS is a cost-sharing, multiple-employer defined benefit pension plan. PERS provides retirement and disability benefits, annual cost of living adjustments, and benefits to plan members and their beneficiaries. As a condition of employment, all full-time Authority employees are required to be members of PERS. PERS members can apply for a service retirement at age 60 if enrolled before November 2, 2008 (Tier 1 or Tier 2), or at age 62 if enrolled on or after November 2, 2008, but before June 28, 2011 (Tier 3 or Tier 4), or at age 65 if enrolled on or after June 28, 2011 (Tier 5), regardless of the amount of service credit earned.

Tier 1, 2 or 3: Annual Benefit = Years of Service Credit, divided by 55, times Final Average Salary (average salary of the last three years of credited service or the highest three fiscal years of credited service, whichever provides the higher benefit). Tier 4 or Tier 5: Annual Benefit = Years of Service Credit, divided by 60, times Final Average Salary (average salary of the last five years of credited service or the highest five fiscal years of credited service, whichever provides the higher benefit). Pension benefits fully vest on reaching 10 years of service. Vested employees who were enrolled prior to July 1, 2007, and who have established 25 years or more of creditable service may retire without penalty at or after age 55 and receive full retirement benefits. PERS also provides death and disability benefits. Benefits are established by State statute.

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

F. EMPLOYEE BENEFITS (CONTINUED)

Contributions

Employee contribution rates to PERS governed by P.L. 2011, C. 78, effective June 28, 2011, were increased from 5.5% of salary to 6.5% of salary, and a phase-in to 7.5% of salary over a seven-year period. Covered Authority employees are required by PERS to contribute 7.5% of their salaries. State statute requires the Authority to contribute an actuarially determined rate which includes the normal cost and the unfunded accrued liability. The amount of the Authority's contribution is certified each year by PERS on the recommendation of the actuary, who makes an annual actuarial valuation. The valuation is based on a determination of the financial condition of the retirement system. It includes the computation of the present dollar value of benefits payable to former and present members and the present dollar value of future employer and employee contributions, giving effect to mortality among active and retired members and also to the rates of disability, retirement, withdrawal, former service, salary and interest. In accordance with State statute, the long-term expected rate of return on plan investments is determined by the State Treasurer, after consultation with the Directors of the Division of Investments and Division of Pensions and Benefits, the board of trustees, and the actuaries. Specific information on actuarial assumptions and rates of return can be found at <https://www.nj.gov/treasury/pensions/documents/financial/gasb/gasb68-pers19-val.pdf>.

The payroll for employees covered by PERS for the years ended June 30, 2019, 2018 and 2017 was \$7,636,273, 7,351,319, and \$7,002,687 respectively. The Authority's total payroll for the years ended June 30, 2019, 2018, and 2017 was \$8,014,260, \$7,882,193, and \$7,425,938, respectively. The actuarial contribution requirements and the contributions made for the years ended June 30, 2019, 2018 and 2017 were \$1,581,911, \$1,459,787, and \$1,400,670 respectively, which consisted of \$1,004,540, \$916,857, and \$896,476 from the Authority, and \$577,371, \$542,930, and \$504,194 from employees, respectively. As required by PERS, the employer and employee contributions represented 13.15% and 7.56% of covered payroll for the year ended June 30, 2019, 12.47% and 7.39% of covered payroll for the year ended June 30, 2018, 12.80% and 7.20% of covered payroll for the year ended June 30, 2017, and 11.85% and 7.06% of covered payroll for the year ended June 30, 2016, respectively. Contributions were made in accordance with the actuarial funding requirement.

Assumptions

The total pension liability for the June 30, 2018, measurement date was determined by an actuarial valuation as of July 1, 2017. The pension liability was rolled forward to June 30, 2018. The actuarial valuation used an inflation rate of 2.25%, projected salary increases through 2026 of 1.65% to 4.15% based on age and thereafter 2.65% to 5.15% based on age and an investment rate of return of 7.00%.

The discount rate used to measure the total pension liability was 5.66% and 5.00% as of June 30, 2018 and 2017, respectively. This single blended discount rate was based on the long-term expected rate of return on pension plan investments of 7.00% and 7.00%, and a municipal bond rate of 3.87% and 3.58% as of June 30, 2018 and 2017, respectively, based on the Bond Buyer Go 20-Bond Municipal Bond Index which includes tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher. The projection of cash flows used to determine the discount rate assumed that contributions from plan members will be made at the

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

F. EMPLOYEE BENEFITS (CONTINUED)

Assumptions (Continued)

current member contribution rates and that contributions from employers will be made based on the contribution rate in the most recent fiscal year. The State employer contributed 50% and 40% of the actuarially determined contributions and the local employers contributed 100% of their actuarially determined contributions as of June 30, 2018 and 2017, respectively. Based on those assumptions, the plan's fiduciary net position was projected to be available to make future benefit payments of current plan members through June 30, 2046. Therefore, the long-term expected rate of return on plan investments was applied to projected benefit payments through June 30, 2046, and the municipal bond rate was applied to projected benefit payments after that date in determining the total pension liability. More information on mortality rates and other assumptions and investment policies, can be found at <https://www.nj.gov/treasury/pensions/documents/financial/gasb/gasb68-pers19-val.pdf>.

The following presents the Authority's proportionate share of the PERS net pension liability calculated using the discount rate of 5.66% and 5.00% as of June 30, 2018 and 2017, respectively, as well as what the PERS net pension liability would be if it were calculated using a discount rate that is one percentage point lower or one percentage point higher than the assumed rate.

Sensitivity of the Authority's Proportionate Share of the PERS Local Share Net Pension Liability to Changes in the Discount Rate

	At 1% decrease (4.66%)	At current discount rate (5.66%)	At 1% increase (6.66%)
2018	<u>\$25,002,770</u>	<u>\$19,884,741</u>	<u>\$15,591,041</u>
	At 1% decrease (4.00%)	At current discount rate (5.00%)	At 1% increase (6.00%)
2017	<u>\$28,581,165</u>	<u>\$23,038,776</u>	<u>\$18,421,279</u>

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pension

Although the Division administers one cost-sharing multiple-employer defined benefit pension plan, separate (sub) actuarial valuations are prepared to determine the actuarial determined contribution rate by group. Following this method, the measurement of the collective net pension liability, deferred outflows of resources, deferred inflows of resources and pension expense excluding that attributable to employer-paid member contributions are determined separately for each individual employer of the State and local groups.

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

F. EMPLOYEE BENEFITS (CONTINUED)

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pension (Continued)

To facilitate the separate (sub) actuarial valuations, the Division maintains separate accounts to identify additions, deductions, and fiduciary net position applicable to each group. The allocation percentages presented for each group in the schedule of employer allocations are applied to amounts presented in the schedules of pension amount by employer. The allocation percentages for each group as of June 30, 2018 and 2017 are based on the ratio of each employer's contributions to total employer contributions of the group for the fiscal years ended June 30, 2018 and 2017, respectively.

GASB Statement No. 68, *Accounting and Financial Reporting for Pensions*, requires participating employers in PERS to recognize their proportionate share of the collective net pension liability, collective deferred outflows of resources, collective deferred inflows of resources, and collective pension expense excluding that attributable to employer-paid member contributions. The employer allocation percentages presented in the PERS schedule of employer allocations and applied to amounts presented in the PERS schedule of pension amounts by employer are based on the ratio of the contributions as an individual employer to total contributions to the PERS during the years ended June 30, 2018 and 2017. The Authority's proportionate share of the collective net pension liability as of June 30, 2018 and 2017, was .1010% and .0990%, respectively.

At June 30, 2019, the amount recognized as the Authority's proportionate share of the PERS net pension liability was \$19,884,740. At June 30, 2018, the amount recognized as the Authority's proportionate share of the PERS net pension liability was \$23,038,776. For the years ended June 30, 2019 and 2018, the Authority recognized PERS pension expense of \$1,137,817 and \$1,782,151 respectively. At June 30, 2019, deferred outflows of resources and deferred inflows of resources related to the PERS pension are as follows:

	June 30, 2019		June 30, 2018	
	Deferred Outflows of Resources	Deferred Inflows of Resources	Deferred Outflows of Resources	Deferred Inflows of Resources
Net Difference Between Expected and Actual Experience	\$ 379,205	\$ 102,532	\$ 542,484	\$ -
Change of Assumptions	3,276,676	6,358,082	4,641,519	4,624,503
Net Difference Between Projected and Actual Investment Earnings	-	186,520	156,878	-
Net Change in Proportions	841,370	494,399	648,032	721,380
Total Contributions and Proportionate Share of Contributions after the Measurement Date	1,004,540	-	916,857	-
	<u>\$ 5,501,791</u>	<u>\$ 7,141,533</u>	<u>\$ 6,905,770</u>	<u>\$ 5,345,883</u>

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

F. EMPLOYEE BENEFITS (CONTINUED)

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pension (Continued)

The Authority recognizes the \$1,004,540 and \$916,857 reported as deferred outflows of resources resulting from pension contributions after the measurement date, but before the end of the Authority's reporting period as noted in the previous table, as a reduction of the PERS net pension liability in the subsequent fiscal year. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pension will be recognized in PERS pension expense as follows:

Year Ending June 30,	Amortization
2019	\$ 122,002
2020	(168,913)
2021	(1,211,245)
2022	(1,049,926)
2023	(336,200)
Total	<u>\$ (2,644,282)</u>

Post-Retirement Health Care Benefits

Other Post-Employment Benefits ("OPEB") Other than Pensions

On July 1, 2017, The Authority adopted GASB Statement No. 75, *Accounting and Financial Reporting for the Post-employment Benefits Other Than Pensions*. Statement No. 75 requires participating employers in the Plan to recognize their proportionate share of the collective total OPEB liability, collective deferred outflows of resources, collective deferred inflows of resources, and collective OPEB expense based on the ratio of plan members of an individual employer to the total members of the plan. For additional information about the Plan, please refer to the Division's Comprehensive Annual Financial Report which can be found at <https://www.state.nj.us/treasury/pensions/financial-reports.shtml>.

Plan Description and Benefits

The Authority provides post-employment healthcare benefits (including Medicare Part B reimbursement) and prescription drug coverage through participation in the New Jersey State Health Benefits Program. The plan provides medical and prescription drug coverage to retirees and their covered dependents of the employers. Under the provisions of Chapter 88, P.L. 1974 and Chapter 48, P.L. 1999, local government employers electing to provide post-retirement medical coverage to their employees must file a resolution with the Division of Pension and Benefits. Under Chapter 88, local employers elect to provide benefit coverage based on the eligibility rules and regulations promulgated by the State Health Benefits Commission. Chapter 48 allows local employers to establish their own age and service eligibility for employer-paid health benefits coverage for retired employees. Under Chapter 48, the employer may assume the cost of post-retirement medical coverage for employees and their dependents who: 1) retired on a disability pension; or 2) retired with 25 or more years of service credit in a State or locally

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NOTES TO FINANCIAL STATEMENTS (CONTINUED)

F. EMPLOYEE BENEFITS (CONTINUED)

Post-Retirement Health Care Benefits (Continued)

Other Post-Employment Benefits (“OPEB”) Other than Pensions (Continued)

administered retirement system and a period of service of up to 25 years with the employer at the time of retirement as established by the employer; or 3) retired and reached the age of 65 with 25 or more years of service credit in a State or locally administered retirement system and a period of service of up to 25 years with the employer at the time of retirement as established by the employer; or 4) retired and reached age 62 with at least 15 years of service with the employer. Further, the law provides that the employer-paid obligations for retiree coverage may be determined by means of a collective negotiations agreement.

Pursuant to Chapter 78, P.L. 2011, future retirees eligible for post-retirement medical coverage who have less than 20 years of creditable service on June 28, 2011, will be required to pay a percentage of the cost of their health care coverage in retirement provided they retire with 25 or more years of pension service credit. The percentage of premium for which the retiree will be responsible will be determined based on the retiree’s annual retirement benefit and level of coverage.

Following is the total of the local portion of PERS’ OPEB liabilities, deferred outflows of resources and deferred inflows of resources related to OPEB, and the OPEB expense and expenditures for the fiscal year ended June 30, 2019.

Total OPEB Liabilities	\$26,850,331
Deferred Outflows of Resources	824,121
Deferred Inflows of Resources	13,629,222
OPEB Expense	871,686

Retirees and Employees Covered by the OPEB Plan

At June 30, 2019, the following employees were covered by the benefit terms: 174

Retired employees and/or beneficiaries currently receiving benefit payments: 169

Total OPEB Liability

The Authority’s total OPEB liability of \$26,850,331 was measured as of June 30, 2018, and was based on an actuarial valuation as of June 30, 2017. The results of the June 30, 2017, valuation were rolled forward to June 30, 2018. The Authority has fully recognized this liability in the statement of net position as of June 30, 2019, in accordance with GASB 75.

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

F. EMPLOYEE BENEFITS (CONTINUED)

Post-Retirement Health Care Benefits (Continued)

Other Post-Employment Benefits (“OPEB”) Other than Pensions (Continued)

Actuarial Methods and Assumptions

The total OPEB liability in the June 30, 2018, actuarial valuation was determined using the following actuarial assumptions and other inputs, applied to all periods included in the measurement:

Inflation rate	2.50%
Salary increases*:	
Through 2026	1.65% to 8.98%
Thereafter	2.65% to 9.98%

*Salary increases are based on the defined benefit plan that the member is enrolled in and his or her age.

Pre-retirement mortality rates were based on the RP-2006 Headcount-Weighted Healthy Employee Male/Female mortality tables with fully generational mortality improvement projections from the central year using the MP-2017 scale. Post-retirement mortality rates were based on the RP-2006 Headcount-Weighted Healthy Annuitant Male/Female mortality table with fully generational improvement projections from the central year using the MP-2017 scale. Disability mortality was based on the RP-2006 Headcount-Weighted Disabled Male/Female mortality table with fully generational improvement projections from the central year using the MP-2017 scale.

Certain actuarial assumptions used in the June 30, 2017, valuation were based on the results of the pension plans’ experience studies for which the members are eligible for coverage under this Plan – the Police and Firemen Retirement System (PFRS) and the Public Employees’ Retirement System (PERS). The PFRS and PERS experience studies were prepared for the periods July 1, 2010 to June 30, 2013, and July 1, 2011 to June 30, 2014, respectively.

One-hundred percent of active members are considered to participate in the Plan upon retirement.

Health Care Trend Assumptions

For pre-Medicare preferred provider organization (PPO) and health maintenance organization (HMO) medical benefits, the trend rate is initially 5.8% and decreases to a 5.0% long-term trend rate after eight years. For self-insured post-65 PPO and HMO medical benefits, the trend rate is 4.5%. For prescription drug benefits, the initial trend rate is 8.0% decreasing to a 5.0% long-term trend rate after seven years. The Medicare Advantage trend rate is 4.5% and will continue in all future years.

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

F. EMPLOYEE BENEFITS (CONTINUED)

Post-Retirement Health Care Benefits (Continued)

Other Post-Employment Benefits (“OPEB”) Other than Pensions (Continued)

Discount Rate

The discount rates for June 30, 2018 and 2017, were 3.87% and 3.58%, respectively. This represents the municipal bond return rate as chosen by the State. The source is the Bond Buyer Go 20-Bond Municipal Bond Index, which includes tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher. As the long-term rate of return is less than the municipal bond rate, it is not considered in the calculation of the discount rate, rather the discount rate is set at the municipal bond rate.

Sensitivity of Total OPEB Liability to Changes in the Discount Rate

The following presents the Authority’s total OPEB liability as of June 30, 2018 and 2017, calculated using the discount rate as disclosed above as well as what the Authority’s total OPEB liability would be if it was calculated using a discount rate that is one percentage point lower or one percentage point higher than the current rate:

	At 1% decrease (2.87%)	At current discount rate (3.87%)	At 1% increase (4.87%)
2018	<u>\$ 31,502,537</u>	<u>\$ 26,850,331</u>	<u>\$ 23,134,271</u>
	At 1% decrease (2.58%)	At current discount rate (3.58%)	At 1% increase (4.58%)
2017	<u>\$ 39,478,443</u>	<u>\$ 33,469,644</u>	<u>\$ 28,701,763</u>

Sensitivity of Total OPEB Liability to Changes in the Healthcare Trend Rate

The following presents the total OPEB liability as of June 30, 2018 and 2017, respectively, calculated using the healthcare trend rate as disclosed above as well as what the total OPEB liability would be if it was calculated using a healthcare trend rate that is one percentage point lower or one percentage point higher than the current rate:

	At 1% decrease	Healthcare cost trend rate	At 1% increase
2018	<u>\$ 22,397,481</u>	<u>\$ 26,850,331</u>	<u>\$ 32,612,980</u>
	At 1% decrease	Healthcare cost trend rate	At 1% increase
2017	<u>\$ 27,814,252</u>	<u>\$ 33,469,644</u>	<u>\$ 40,833,620</u>

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

F. EMPLOYEE BENEFITS (CONTINUED)

Post-Retirement Health Care Benefits (Continued)

Other Post-Employment Benefits (“OPEB”) Other than Pensions (Continued)

GASB Statement No. 75, *Reporting for the Postemployment Benefits Other Than Pensions*, requires participating employers recognize their proportionate share of the collective total OPEB liability, collective deferred outflows of resources, collective deferred inflows of resources, and collective OPEB expense. The Authority’s proportionate share of the collective total OPEB liability as of June 30, 2018 and 2017, was .1680 % and .1639%, respectively.

At June 30, 2019, the amount recognized as the Authority’s proportionate share of the total OPEB liability was \$26,850,331. For the year ended June 30, 2019, the Authority recognized OPEB expense of \$1,349,503. At June 30, 2019, deferred outflows of resources and deferred inflows of resources related to OPEB are as follows:

	June 30, 2019		June 30, 2018	
	Deferred Outflows of Resources	Deferred Inflows of Resources	Deferred Outflows of Resources	Deferred Inflows of Resources
Net Difference Between Expected and Actual Experience	\$ -	\$ 5,344,296	\$ -	\$ -
Change of Assumptions	-	6,676,909	-	3,714,846
Net Difference Between Projected and Actual Investment Earnings	13,910	-	5,736	-
Net Change in Proportions	810,211	1,608,017	-	1,874,245
	<u>\$ 824,121</u>	<u>\$ 13,629,222</u>	<u>\$ 5,736</u>	<u>\$ 5,589,091</u>

Deferred inflows and outflows of resources related to OPEB will be recognized in OPEB expense as follows:

Year Ending June 30,	Amortization
2019	\$ (1,880,259)
2020	(1,880,259)
2021	(1,880,259)
2022	(1,881,826)
2023	(1,884,359)
Thereafter	(3,398,139)
Total	<u>\$ (12,805,101)</u>

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

G. MAJOR WATER CUSTOMERS

During fiscal years 2019 and 2018, the Authority supplied water to approximately 32 customers of the Raritan Basin System and 13 customers of the Manasquan System.

During fiscal years 2019 and 2018, two customers accounted for approximately 84% of total Raritan Basin System operating revenue. During fiscal years 2019 and 2018, three customers accounted for approximately 85% of total Manasquan System operating revenue.

H. RISK MANAGEMENT

The Authority carries insurance for all of its facilities, covering direct physical loss or damage and loss of revenue resulting therefrom, with such deductibles as it deems appropriate. The Authority also carries General and Umbrella Public Liability Insurance with such self-insured retainers as it deems appropriate. Automotive and Public Officials Liability coverage is also maintained with deductibles. Workers' Compensation coverage is also maintained, as required by State law. Settled claims resulting from the aforementioned risks have not exceeded insurance coverage in any of the past three fiscal years.

I. INSURANCE REIMBURSEMENTS

There are no insurance or Federal Emergency Management Agency reimbursements included in "Other income" on the statement of revenue, expenses and changes in net position for the years ended June 30, 2019 and 2018.

J. CONTINGENCIES

The Authority is party to various legal actions and disputes. Although the ultimate effect, if any, of these matters is not presently determinable, management believes that collectively they will not have a material effect on the results of operations or the financial position of the Authority.

K. INFORMATION BY BUSINESS SEGMENT

The Authority issued revenue bonds to finance the construction of various capital assets, including the construction of the reservoir systems for both the Manasquan and Raritan Basin Systems. Each of these Systems must provide sufficient revenue each year to cover its own operating expenses and debt service. Investors in the revenue bonds rely solely on the revenue generated by the individual activities for repayment. The chart represents information by Business Segment and is not consistent with the consolidated balances on the statement of net position. Summary financial information for the operating segments is presented below:

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

K. INFORMATION BY BUSINESS SEGMENT (CONTINUED)

	<u>June 30, 2019</u>		<u>June 30, 2018*</u>	
	<u>Raritan Basin System</u>	<u>Manasquan Reservoir System</u>	<u>Raritan Basin System</u>	<u>Manasquan Reservoir System</u>
Condensed statement of net position				
Assets and deferred outflows of resources:				
Current assets	\$ 87,222,463	\$ 16,636,908	\$ 84,732,962	\$ 15,560,928
Restricted cash	15,026,031	8,117,224	7,708,070	2,523,253
Other restricted assets	-	-	-	5,378,034
Capital assets	101,824,971	52,172,906	90,438,403	53,998,878
Other non-current assets	8,606,428	841,855	9,875,183	839,914
Deferred outflows of resources	<u>5,472,257</u>	<u>1,494,974</u>	<u>5,780,190</u>	<u>1,621,896</u>
Total assets and deferred outflows of resources	<u>\$218,152,150</u>	<u>\$ 79,263,867</u>	<u>\$198,534,808</u>	<u>\$ 79,922,903</u>
Liabilities and deferred inflows of resources:				
Current liabilities	\$ 7,844,488	\$ 6,776,482	\$ 10,008,576	\$ 6,355,839
Non-current liabilities	107,877,358	55,944,879	100,799,272	61,904,662
Deferred inflows of resources	<u>27,542,817</u>	<u>(6,356,182)</u>	<u>20,781,907</u>	<u>(9,815,802)</u>
Total liabilities and deferred inflows of resources	143,264,663	56,365,179	131,589,755	58,444,699
Net Position:				
Net investment in capital assets	28,875,982	29,036,544	31,804,837	27,470,435
Restricted for debt service	14,551,031	5,507,948	7,708,070	5,726,391
Unrestricted	<u>31,460,474</u>	<u>(11,645,804)</u>	<u>27,432,146</u>	<u>(11,718,622)</u>
Total net position	<u>74,887,487</u>	<u>22,898,688</u>	<u>66,945,053</u>	<u>21,478,204</u>
Total liabilities, deferred inflows of resources, and net position	<u>\$218,152,150</u>	<u>\$ 79,263,867</u>	<u>\$198,534,808</u>	<u>\$ 79,922,903</u>

* Certain balances have been reclassified to conform to current year presentation.

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

NOTES TO FINANCIAL STATEMENTS (CONTINUED)

K. INFORMATION BY BUSINESS SEGMENT (CONTINUED)

	Year Ended June 30, 2019		Year Ended June 30, 2018*	
	Raritan Basin System	Manasquan Reservoir System	Raritan Basin System	Manasquan Reservoir System
Condensed statement of revenue, expenses and changes in net assets				
Total operating revenues	\$ 22,485,129	\$ 7,575,835	\$ 22,415,908	\$ 7,614,960
Operating expenses	13,359,974	3,026,023	14,742,494	3,146,165
Depreciation	2,858,266	1,874,752	2,773,622	1,863,787
Operating income	6,266,889	2,675,060	4,899,792	2,605,008
Non-operating revenues	982,327	262,689	475,808	71,495
Non-operating expenses (recovery)	(693,218)	1,517,265	(680,485)	1,553,440
Changes in net position	7,942,434	1,420,484	6,056,085	1,123,063
Net position, beginning of year	66,945,053	21,478,204	60,888,968	20,355,141
Net position, end of year	<u>\$ 74,887,487</u>	<u>\$ 22,898,688</u>	<u>\$ 66,945,053</u>	<u>\$ 21,478,204</u>
Condensed statement of cash flows				
Net cash provided by:				
Operating activities	\$ 8,486,619	\$ 4,709,412	\$ 9,859,024	\$ 5,203,841
Non-capital financing activities	27,377	-	31,422	-
Capital and related financing activities	(5,737,282)	(3,660,626)	(2,119,061)	(3,905,840)
Investing activities	2,087,891	298,422	734,538	146,983
Net increase in cash and cash equivalents	4,864,605	1,347,208	8,505,923	1,444,984
Beginning cash and cash equivalent balances	42,414,955	21,372,030	33,909,032	19,927,046
Ending cash and cash equivalent balances	<u>\$ 47,279,560</u>	<u>\$ 22,719,238</u>	<u>\$ 42,414,955</u>	<u>\$ 21,372,030</u>

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REQUIRED SUPPLEMENTARY SCHEDULES

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

**SCHEDULE OF PROPORTIONATE SHARE OF PERS NET PENSION LIABILITY (NPL)
DETERMINED AS OF JUNE 30, 2018, PERS MEASUREMENT DATE**

Fiscal Year	Authority's Proportion	Authority's Proportion Share	Authority's Covered Payroll	Authority's Proportionate Share of NPL as a % of Covered Payroll	PERS Local Fiduciary Net Position as a % of Total Pension Liability
2019	0.10%	\$ 19,884,740	\$ 7,351,319	270%	45.37%
2018	0.10%	\$ 23,038,776	\$ 7,002,687	329%	47.58%
2017	0.10%	\$ 29,886,847	\$ 6,949,632	430%	40.14%
2016	0.10%	\$ 21,534,789	\$ 6,808,193	316%	47.94%

SCHEDULE OF CONTRIBUTIONS

Fiscal Year	Required Contribution	Contributions Recognized by PERS	Contribution Deficiency (Excess)	Covered Payroll	Contributions as a % of Covered Payroll
2019	\$ 1,137,817	\$ 1,004,540	\$ 133,277	\$ 7,636,273	13.15%
2018	\$ 1,620,169	\$ 916,857	\$ 703,312	\$ 7,351,319	12.47%
2017	\$ 2,885,084	\$ 896,476	\$ 1,988,608	\$ 7,002,687	12.80%
2016	\$ 1,261,241	\$ 823,798	\$ 437,443	\$ 6,949,632	11.85%
2015	\$ 819,154	\$ 798,757	\$ 20,397	\$ 6,808,193	11.73%

SCHEDULE OF CHANGES IN TOTAL NET PENSION LIABILITY

Fiscal Year	Beginning Balance Total Net Pension Liability	Difference Between Expected and Actual Experience	Change of Assumptions	Difference Between Expected and Actual Earnings	Change in Proportion and Actual Less Proportion Share	Other Changes and Reclassifications	Ending Balance Total Net Pension Liability
2019	\$ 23,038,776	\$ 276,673	\$ (3,081,406)	\$ (186,520)	\$ 346,971	\$ (509,754)	\$ 19,884,740
2018	\$ 29,886,847	\$ 542,484	\$ 17,016	\$ 156,878	\$ (73,348)	\$ (7,491,101)	\$ 23,038,776
2017	\$ 21,534,789	\$ 555,805	\$ 6,190,858	\$ 1,139,613	\$ 304,163	\$ 161,619	\$ 29,886,847
2016	\$ 18,141,342	\$ 513,147	\$ 1,739,535	\$ 735,251	\$ (206,140)	\$ 611,654	\$ 21,534,789
2015	\$ 19,250,440	\$ -	\$ 570,440	\$ (1,081,086)	\$ (772,427)	\$ 173,975	\$ 18,141,342

The pension schedules are intended to show information for ten years. The State of New Jersey has issued five years of pension information to the Authority. Additional years' information will be displayed as it becomes available.

**NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY**

**SCHEDULE OF PROPORTIONATE SHARE OF THE TOTAL OPEB LIABILITY
STATE HEALTH BENEFIT LOCAL GOVERNMENT RETIRED EMPLOYEES PLAN
DETERMINED AS OF JUNE 30, 2018, OPEB MEASUREMENT DATE**

	<u>2019</u>	<u>2018</u>	<u>2017</u>
Authority's proportion of the total OPEB liability	0.1680130%	0.1639400%	0.1737960%
Authority's proportionate share of the total OPEB liability (asset)	\$ 26,850,331	\$ 33,469,644	\$ 37,744,085
Authority's covered payroll	\$ 7,636,273	\$ 7,351,319	\$ 7,002,687
Authority's proportionate share of the net OPEB liability (asset) as a percentage of its covered-employee payroll	351.6%	455.3%	539.0%
Plan fiduciary net position as a percentage of the total OPEB liability	364.2%	264.2%	215.2%

The OPEB schedules are intended to show information for ten years. The State of New Jersey has issued three years of OPEB information to the Authority. Additional years' information will be displayed as it becomes available.

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OTHER SUPPLEMENTARY INFORMATION

NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY

COMBINING SCHEDULE OF NET POSITION
JUNE 30, 2019

	Raritan Basin System	Manasquan Reservoir System	Elimination Entries	Combined Total
Assets				
Current assets:				
Unrestricted assets:				
Cash and cash equivalents	\$ 32,253,529	\$ 14,602,014	\$ -	\$ 46,855,543
Unbilled sales	1,493,831	-	-	1,493,831
Accounts receivable, less allowance for doubtful accounts of \$1,000 at June 30, 2019	52,472,192	1,801,514	(177,225)	54,096,481
Interest receivable	159,745	474	-	160,219
Prepaid expenses and other current assets	843,166	232,906	-	1,076,072
Total unrestricted assets	<u>87,222,463</u>	<u>16,636,908</u>	<u>(177,225)</u>	<u>103,682,146</u>
Restricted assets:				
Cash equivalents	15,026,031	8,117,224	-	23,143,255
Total current assets	<u>102,248,494</u>	<u>24,754,132</u>	<u>(177,225)</u>	<u>126,825,401</u>
Non-current assets:				
Investments	8,606,428	841,855	-	9,448,283
Capital assets net of accumulated depreciation of \$150,147,581 at June 30, 2019	101,824,971	52,172,906	-	153,997,877
Total non-current assets	<u>110,431,399</u>	<u>53,014,761</u>	<u>-</u>	<u>163,446,160</u>
Total assets	<u>212,679,893</u>	<u>77,768,893</u>	<u>(177,225)</u>	<u>290,271,561</u>
Deferred outflows of resources				
Pension related	4,196,365	1,305,426	-	5,501,791
OPEB related	634,573	189,548	-	824,121
2019 construction loan DEP fee	641,319	-	-	641,319
Total deferred outflows of resources	<u>5,472,257</u>	<u>1,494,974</u>	<u>-</u>	<u>6,967,231</u>
Total assets and deferred outflows of resources	<u>\$ 218,152,150</u>	<u>\$ 79,263,867</u>	<u>\$ (177,225)</u>	<u>\$ 297,238,792</u>
Liabilities				
Current liabilities:				
Current portion of bonds, notes and loans payable	\$ 913,013	\$ 3,162,572	\$ -	\$ 4,075,585
Accounts payable	4,592,208	328,236	(177,225)	4,743,219
Accrued liabilities	1,864,267	676,398	-	2,540,665
Unearned revenue	475,000	2,609,276	-	3,084,276
Total current liabilities	<u>7,844,488</u>	<u>6,776,482</u>	<u>(177,225)</u>	<u>14,443,745</u>
Non-current liabilities:				
Non-current portion of bonds, notes and loans payable	72,035,976	45,051,190	-	117,087,166
Net pension liability	15,166,627	4,718,113	-	19,884,740
Total OPEB liability	20,674,755	6,175,576	-	26,850,331
Total non-current liabilities	<u>107,877,358</u>	<u>55,944,879</u>	<u>-</u>	<u>163,822,237</u>
Total liabilities	<u>115,721,846</u>	<u>62,721,361</u>	<u>(177,225)</u>	<u>178,265,982</u>
Deferred inflows of resources				
Cost recovery	11,601,277	(11,671,181)	-	(69,904)
Pension related	5,447,039	1,694,494	-	7,141,533
OPEB related	10,494,501	3,134,721	-	13,629,222
Gain on refunding	-	485,784	-	485,784
Total deferred inflow of resources	<u>27,542,817</u>	<u>(6,356,182)</u>	<u>-</u>	<u>21,186,635</u>
Net position				
Net investment in capital assets	28,875,982	29,036,544	-	57,912,526
Restricted for cash, investments and unearned revenue	14,551,031	5,507,948	-	20,058,979
Unrestricted	31,460,474	(11,645,804)	-	19,814,670
Total net position	<u>74,887,487</u>	<u>22,898,688</u>	<u>-</u>	<u>97,786,175</u>
Total liabilities, deferred inflows of resources, and net position	<u>\$ 218,152,150</u>	<u>\$ 79,263,867</u>	<u>\$ (177,225)</u>	<u>\$ 297,238,792</u>

NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY

COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN NET POSITION
YEAR ENDED JUNE 30, 2019

	Raritan Basin System	Manasquan Reservoir System	Manasquan Water Treatment Plant	Combined Total
Operating revenue:				
Water sales	\$ 22,485,129	\$ 7,575,835	\$ -	\$ 30,060,964
Reimbursement of operating expenses			2,642,400	2,642,400
Total operating revenue	<u>22,485,129</u>	<u>7,575,835</u>	<u>2,642,400</u>	<u>32,703,364</u>
Operating expenses:				
Payroll	6,163,901	942,979	907,380	8,014,260
Operations and maintenance (direct)	3,430,475	908,432	746,776	5,085,683
Operations and maintenance (general and administrative)	-	71,761	67,008	138,769
Fringe benefits	4,537,594	436,851	419,054	5,393,499
Headquarters overhead	(771,996)	666,000	105,996	-
Depreciation	2,858,266	1,874,752	-	4,733,018
Total operating expenses	<u>16,218,240</u>	<u>4,900,775</u>	<u>2,246,214</u>	<u>23,365,229</u>
Income from operations	<u>6,266,889</u>	<u>2,675,060</u>	<u>396,186</u>	<u>9,338,135</u>
Non-operating revenue:				
State of New Jersey - Grant Programs	46,130	-	-	46,130
Investment income	818,190	257,434	36,316	1,111,940
Rental income	57,179	-	-	57,179
Other income	60,828	5,255	-	66,083
Total non-operating revenue	<u>982,327</u>	<u>262,689</u>	<u>36,316</u>	<u>1,281,332</u>
Non-operating expenses:				
Interest component of debt service to the State of New Jersey	141,991	178,119	-	320,110
Recovery of deferred inflows of resources	(835,209)	1,339,146	432,502	936,439
Total non-operating expenses	<u>(693,218)</u>	<u>1,517,265</u>	<u>432,502</u>	<u>1,256,549</u>
Changes in net position	7,942,434	1,420,484	-	9,362,918
Net position, beginning of year	66,945,053	21,478,204	-	88,423,257
Net position, end of year	<u>\$ 74,887,487</u>	<u>\$ 22,898,688</u>	<u>\$ -</u>	<u>\$ 97,786,175</u>

NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY

SCHEDULE OF CHANGES IN CASH AND INVESTMENTS - RARITAN BASIN SYSTEM
YEAR ENDED JUNE 30, 2019

	Operating Fund											Subtotal
	Revenue Account	Operating Account	Operating Account	Payroll Account	Operating Fund	Reserve for O&M	Self-Insurance Reserve	Depreciation Reserve	Pumping Reserve	Capital Improvements Investments	Source Water Protection Fund	
Cash and investments - July 1, 2018	\$ 1,858,475	\$ (238)	\$ 3,418,450	\$ 150,121	\$ 463,144	\$ 3,543,616	\$ 935,461	\$ 4,499,752	\$ 1,390,492	\$ 6,160,721	\$ 4,108,094	\$ 26,528,088
Cash receipts:												
Water sales operations and maintenance	11,684,555	-	-	-	-	-	-	-	-	-	-	11,684,555
Water sales debt service	5,687,019	-	-	-	-	-	-	-	-	-	-	5,687,019
Water sales capital fund	2,055,931	-	-	-	-	-	-	-	-	-	-	2,055,931
Water sales source water protection fund	1,495,223	-	-	-	-	-	-	-	-	-	-	1,495,223
Water sales overdrafts	120,954	-	-	-	-	-	-	-	-	-	-	120,954
Rental income	114,201	-	-	-	-	-	-	-	-	-	-	114,201
Manasquan reservoir support	57,703	-	-	-	15,650	-	-	-	-	-	-	73,353
Headquarters overhead	-	-	-	-	768,496	-	-	-	-	-	-	768,496
Disposition of property	-	-	-	-	-	-	-	-	-	-	-	-
Recycling revenue	514	-	-	-	-	-	-	-	-	-	-	514
Sale of investment securities	-	-	-	-	-	-	-	-	-	-	-	-
Nonrefundable bid deposits	-	-	-	-	-	-	-	-	-	-	-	-
Insurance reimbursement	9,672	-	-	-	-	-	-	-	-	-	-	9,672
Miscellaneous expense reimbursement	135,806	1,282	34,700	-	-	-	-	-	-	-	-	171,788
Transfers:												
Contributions from operating fund	894,628	-	13,722,055	3,748,210	(29,616,771)	-	-	540,809	150,000	-	527,820	(10,033,249)
Contributions to operating fund	-	-	6,794,896	-	7,918,504	-	-	(253,059)	-	-	(289,928)	14,170,413
Transfers for operations	(21,887,680)	(200)	200	-	21,887,680	-	-	-	-	-	-	-
Transfers for investments	-	-	-	-	-	-	-	-	-	-	-	-
Distribution from reserves to operations	(2,161,570)	-	2,375,346	-	2,400,541	-	-	-	-	-	(121,100)	2,493,217
Investment income	3,073	-	22,328	2,427	16,508	95,872	26,268	99,114	22,822	313,238	65,135	666,785
Per resolution, section 603:												
Investment income, transfer from	304,496	-	-	-	(12,170)	(70,183)	(22,249)	(50,964)	-	(312,500)	-	(163,570)
Investment income, transfer to	128,639	-	-	-	-	35,833	(902)	-	-	-	-	163,570
Unrealized gain/(loss) on fair value	-	-	-	-	-	13,586	49,102	66,314	-	(36,637)	-	92,365
Total cash receipts	(1,356,836)	1,082	22,949,525	3,750,637	3,378,438	75,108	52,219	402,214	172,822	(35,899)	181,927	29,571,237
Total available cash and investments	\$ 501,639	\$ 844	\$ 26,367,975	\$ 3,900,758	\$ 3,841,582	\$ 3,618,724	\$ 987,680	\$ 4,901,966	\$ 1,563,314	\$ 6,124,822	\$ 4,290,021	\$ 56,099,325

NEW JERSEY WATER SUPPLY AUTHORITY
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SCHEDULE OF CHANGES IN CASH AND INVESTMENTS - RARITAN BASIN SYSTEM (CONTINUED)
YEAR ENDED JUNE 30, 2019

	Subtotal	Parity SWP Bond Fund	Subordinated SWP Bond Fund	Major Rehabilitation	Capital Improvement Fund	D&R Mitigation Fund	D&R Canal Dredging	Capital Equipment Reserve	Rate Stabilization Fund	Employment Benefit Funds	Totals
Cash and investments - July 1, 2018	\$ 26,528,088	\$ 308,848	\$ 572,947	\$ 1,391,222	\$ 13,446,428	\$ 20,336	\$ 7,639,332	\$ 604,656	\$ 86,391	\$ 1,691,890	\$ 52,290,138
Cash receipts:											
Water sales operations and maintenance	11,684,555	-	-	-	-	-	-	-	-	-	11,684,555
Water sales debt service	5,687,019	-	-	-	-	-	-	-	-	-	5,687,019
Water sales capital fund	2,055,931	-	-	-	-	-	-	-	-	-	2,055,931
Water sales source water protection fund	1,495,223	-	-	-	-	-	-	-	-	-	1,495,223
Water sales overdrafts	120,954	-	-	-	-	-	-	-	-	-	120,954
Rental income	114,201	-	-	-	-	-	-	-	-	-	114,201
Manasquan reservoir support	73,353	-	-	-	-	-	-	-	-	1,016	74,369
Headquarters overhead	768,496	-	-	-	-	-	-	-	-	(6,455)	762,041
Disposition of property	-	-	-	-	-	-	-	-	-	-	-
Recycling revenue	514	-	-	-	-	-	-	-	-	-	514
Sale of investment securities	-	-	-	-	-	-	-	-	-	-	-
Nonrefundable bid deposits	-	-	-	-	-	-	-	-	-	-	-
Insurance reimbursement	9,672	-	-	-	-	-	-	-	-	-	9,672
Miscellaneous expense reimbursement	171,788	-	-	-	11,614,705	475,000	-	-	-	-	12,261,493
Transfers:											
Contributions from operating fund	(10,033,249)	361,884	707,700	-	2,196,442	-	5,657,502	150,000	-	959,721	-
Contributions to operating fund	14,170,413	-	-	-	(13,400,919)	-	-	-	-	(769,494)	-
Transfers for operations	-	-	-	-	-	-	-	-	-	-	-
Transfers for investments	-	-	-	-	-	-	-	-	-	-	-
Distribution from reserves to operations	2,493,217	-	-	-	(2,476,888)	-	-	-	-	(16,329)	-
Investment income	666,785	1,963	4,380	21,763	186,660	3,778	161,943	10,273	923	28,136	1,086,604
Per resolution, section 603:											
Investment income, transfer from	(163,570)	-	-	-	-	-	-	-	-	-	(163,570)
Investment income, transfer to	163,570	-	-	-	-	-	-	-	-	-	163,570
Unrealized gain/(loss) on fair value	92,365	-	-	-	-	-	-	-	-	-	92,365
Total cash receipts	29,571,237	363,847	712,080	21,763	(1,880,000)	478,778	5,819,445	160,273	923	196,595	35,444,941
Total available cash and investments	\$ 56,099,325	\$ 672,695	\$ 1,285,027	\$ 1,412,985	\$ 11,566,428	\$ 499,114	\$ 13,458,777	\$ 764,929	\$ 87,314	\$ 1,888,485	\$ 87,735,079

NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY

SCHEDULE OF CHANGES IN CASH AND INVESTMENTS - RARITAN BASIN SYSTEM (CONTINUED)
YEAR ENDED JUNE 30, 2019

	Operating Fund											Subtotal
	Revenue Account	Operating Account	Operating Account	Payroll Account	Operating Fund	Reserve for O&M	Self-Insurance Reserve	Depreciation Reserve	Pumping Reserve	Capital Improvements Investments	Source Water Protection Fund	
Total available cash and investments	\$ 501,639	\$ 844	\$ 26,367,975	\$ 3,900,758	\$ 3,841,582	\$ 3,618,724	\$ 987,680	\$ 4,901,966	\$ 1,563,314	\$ 6,124,822	\$ 4,290,021	\$ 56,099,325
Cash disbursements:												
Payroll	-	-	-	3,723,616	-	-	-	-	-	-	-	3,723,616
Fringe benefits	-	-	39,049	-	1,603,900	-	-	-	-	-	-	1,642,949
Employee deferred compensation and credit union	-	-	1,136,014	-	680,824	-	-	-	-	-	-	1,816,838
Operations and maintenance	-	844	23,960,533	-	(738,333)	-	-	-	-	162,870	-	23,385,914
Prepaid insurance	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous disbursements	-	-	-	-	-	-	-	-	-	-	-	-
Watershed management fund	-	-	-	-	-	-	-	-	-	-	-	-
Capital improvements:												
Capital assets	-	-	-	-	-	-	-	-	-	-	-	-
New five year construction project	-	-	-	-	-	-	-	-	-	-	-	-
Purchase of investments securities	-	-	-	-	-	42,312	53,352	101,302	-	-	-	196,966
Principal on 1981 bonds	-	-	-	-	-	-	-	-	-	-	-	-
Interest on 1981 bonds	-	-	-	-	-	-	-	-	-	-	-	-
Principal on 1998 bonds	-	-	-	-	-	-	-	-	-	-	-	-
Interest on 1998 revenue bonds	-	-	-	-	-	-	-	-	-	-	-	-
Principal on NJEIT bonds	-	-	-	-	-	-	-	-	-	-	-	-
Interest on NJEIT revenue bonds	-	-	-	-	-	-	-	-	-	-	-	-
Total cash disbursements	-	844	25,135,596	3,723,616	1,546,391	42,312	53,352	101,302	-	162,870	-	30,766,283
Cash and investments - June 30, 2019	\$ 501,639	\$ -	\$ 1,232,379	\$ 177,142	\$ 2,295,191	\$ 3,576,412	\$ 934,328	\$ 4,800,664	\$ 1,563,314	\$ 5,961,952	\$ 4,290,021	\$ 25,333,042
Summary of cash and investments:												
Cash	\$ 501,639	\$ -	\$ 1,232,379	\$ 177,142	\$ -	\$ 256,583	\$ 253,212	\$ 255,290	\$ -	\$ 250,000	\$ -	\$ 2,926,245
Short-term investments	-	-	-	-	2,295,191	2,264,545	296,680	3,015,009	1,563,314	75,609	4,290,021	13,800,369
Long-term investments	-	-	-	-	-	1,055,284	384,436	1,530,365	-	5,636,343	-	8,606,428
Restricted investments (current)	-	-	-	-	-	-	-	-	-	-	-	-
Restricted investments (long-term)	-	-	-	-	-	-	-	-	-	-	-	-
Total cash and investments	\$ 501,639	\$ -	\$ 1,232,379	\$ 177,142	\$ 2,295,191	\$ 3,576,412	\$ 934,328	\$ 4,800,664	\$ 1,563,314	\$ 5,961,952	\$ 4,290,021	\$ 25,333,042

**NEW JERSEY WATER SUPPLY AUTHORITY
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**SCHEDULE OF CHANGES IN CASH AND INVESTMENTS - RARITAN BASIN SYSTEM (CONTINUED)
YEAR ENDED JUNE 30, 2019**

	Subtotal	Parity SWP Bond Fund	Subordinated SWP Bond Fund	Major Rehabilitation	Capital Improvement Fund	D&R Mitigation Fund	D&R Canal Dredging	Capital Equipment Reserve	Rate Stabilization Fund	Employment Benefit Funds	Totals
Total available cash and investments	\$ 56,099,325	\$ 672,695	\$ 1,285,027	\$ 1,412,985	\$ 11,566,428	\$ 499,114	\$ 13,458,777	\$ 764,929	\$ 87,314	\$ 1,888,485	\$ 87,735,079
Cash disbursements:											
Payroll	3,723,616	-	-	-	-	-	-	-	-	-	3,723,616
Fringe benefits	1,642,949	-	-	-	-	-	-	-	-	-	1,642,949
Employee deferred compensation and credit union	1,816,838	-	-	-	-	-	-	-	-	-	1,816,838
Operations and maintenance	23,385,914	-	-	-	-	-	-	-	-	39,304	23,425,218
Prepaid insurance	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous disbursements	-	-	-	-	-	-	-	-	-	-	-
Watershed management fund	-	-	-	-	-	-	-	-	-	-	-
Capital improvements:											
Capital assets	-	-	-	-	-	-	-	-	-	-	-
New five year construction project	-	-	-	-	-	-	-	-	-	-	-
Purchase of investments securities	196,966	-	-	-	-	-	-	-	-	-	196,966
Principal on 1981 bonds	-	-	-	-	-	-	-	-	-	-	-
Interest on 1981 bonds	-	-	-	-	-	-	-	-	-	-	-
Principal on 1998 bonds	-	-	-	-	-	-	-	-	-	-	-
Interest on 1998 revenue bonds	-	-	-	-	-	-	-	-	-	-	-
Principal on NJEIT bonds	-	330,434	573,245	-	-	-	-	-	-	-	903,679
Interest on NJEIT revenue bonds	-	27,019	112,806	-	-	-	-	-	-	-	139,825
Total cash disbursements	30,766,283	357,453	686,051	-	-	-	-	-	-	39,304	31,849,091
Cash and investments - June 30, 2019	\$ 25,333,042	\$ 315,242	\$ 598,976	\$ 1,412,985	\$ 11,566,428	\$ 499,114	\$ 13,458,777	\$ 764,929	\$ 87,314	\$ 1,849,181	\$ 55,885,988
Summary of cash and investments:											
Cash	\$ 2,926,245	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,055	\$ 2,979,300
Short-term investments	13,800,369	315,242	598,976	1,412,985	11,566,428	499,114	13,458,777	764,929	87,314	1,796,126	44,300,260
Long-term investments	8,606,428	-	-	-	-	-	-	-	-	-	8,606,428
Restricted investments (current)	-	-	-	-	-	-	-	-	-	-	-
Restricted investments (long-term)	-	-	-	-	-	-	-	-	-	-	-
Total cash and investments	\$ 25,333,042	\$ 315,242	\$ 598,976	\$ 1,412,985	\$ 11,566,428	\$ 499,114	\$ 13,458,777	\$ 764,929	\$ 87,314	\$ 1,849,181	\$ 55,885,988

**NEW JERSEY WATER SUPPLY AUTHORITY
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**SCHEDULE OF CHANGES IN CASH AND INVESTMENTS - MANASQUAN WATER SUPPLY SYSTEM
YEAR ENDED JUNE 30, 2019**

	Operating Fund											Subtotal	
	Revenue Fund	Operating Account	Payroll Account	Operating Fund	Reserve for O&M	Self-Insurance Reserve	Renewal & Replacement Account	Water Reuse & Recycling	Source Water Protections	Depreciation Reserve	Pumping Reserve		Sediment Reserve
Cash and investments - July 1, 2018	\$ 70,560	\$ 665,129	\$ 40,033	\$ 4,723,630	\$ 1,604,983	\$ 214,645	\$ 3,885,517	\$ 30,307	\$ 1,573,796	\$ 566,483	\$ 154,646	\$ 226,297	\$ 13,756,026
Cash receipts:													
Water sales operations and maintenance	3,120,768	-	-	-	-	-	-	-	-	-	-	-	3,120,768
Water sales debt service	4,266,198	-	-	-	-	-	-	-	-	-	-	-	4,266,198
Source water protection fund	108,142	-	-	-	-	-	-	-	-	-	-	-	108,142
Water sales debt service NJEIT	179,733	-	-	-	-	-	-	-	-	-	-	-	179,733
Water sales overdrafts	7,987	-	-	-	-	-	-	-	-	-	-	-	7,987
NJ American pumping costs	149,329	-	-	-	-	-	-	-	-	-	-	-	149,329
Headquarters overhead	-	-	-	-	-	-	-	-	-	-	-	-	-
Reimbursement of WTP capital expenses	-	-	-	-	-	-	-	-	-	-	-	-	-
Disposition of assets	5,177	-	-	-	-	-	-	-	-	-	-	-	5,177
Reimbursement from/(to) Raritan Basin	21,004	-	-	-	-	-	-	-	-	-	-	-	21,004
Sale of investment securities	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonrefundable bid deposits	-	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous reimbursement	19,413	-	-	-	-	-	-	-	-	-	-	-	19,413
Transfers:													
Contributions from operating fund	17,741	3,219,859	1,102,574	(8,794,433)	-	-	120,000	-	106,452	50,742	-	30,000	(4,147,065)
Contributions to operating fund	(205,810)	5,944	-	1,992,566	-	-	(15,674)	-	(106,961)	(20,612)	-	-	1,649,453
Transfers for operations	(7,790,385)	-	-	7,814,169	-	-	-	-	(23,811)	-	-	-	(27)
Distribution from reserves to operations	188,350	4,752	-	-	-	-	-	-	-	-	-	-	193,102
Investment income	2,432	6,599	735	91,551	33,800	6,945	62,635	68	24,866	14,564	2,199	3,403	249,797
Per resolution, section 603:													
Investment income, transfer from	125,245	-	-	(73,810)	(33,216)	(6,669)	-	-	-	(9,440)	(2,048)	(3,403)	(3,341)
Investment income, transfer to	(112,619)	-	-	116,163	-	-	-	-	-	-	-	-	3,544
Unrealized gain/(loss) on fair value	-	-	-	-	33,526	14,347	-	-	-	21,675	11	-	69,559
Total cash receipts	102,705	3,237,154	1,103,309	1,146,206	34,110	14,623	166,961	68	546	56,929	162	30,000	5,892,773
Total available cash and investments	\$ 173,265	\$ 3,902,283	\$ 1,143,342	\$ 5,869,836	\$ 1,639,093	\$ 229,268	\$ 4,052,478	\$ 30,375	\$ 1,574,342	\$ 623,412	\$ 154,808	\$ 256,297	\$ 19,648,799

**NEW JERSEY WATER SUPPLY AUTHORITY
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**SCHEDULE OF CHANGES IN CASH AND INVESTMENTS - MANASQUAN WATER SUPPLY SYSTEM (CONTINUED)
YEAR ENDED JUNE 30, 2019**

	Water Treatment Plant/Transmission System											Totals		
	Subtotal	Operating Account	Operating Fund	Residual Reserve	Carbon Filter Reserve	Self-Insurance Reserve	Capital Improvement Reserve	NJEIT Debt Service	2016 Debt Service Account	2016 Debt Service Reserve	Rebate Fund		General Reserve Fund	Employment Benefit Funds
Cash and investments - July 1, 2018	\$ 13,756,026	\$ 284,676	\$ 1,864,659	\$ 9,519	\$ 98,700	\$ 254,012	\$ 11,687	\$ 146,296	\$ 3,240,896	\$ 1,746,553	\$ 244,289	\$ 41,197	\$ 513,434	\$ 22,211,944
Cash receipts:														
Water sales operations and maintenance	3,120,768	-	-	-	-	-	-	-	-	-	-	-	-	3,120,768
Water sales debt service	4,266,198	-	-	-	-	-	-	-	-	-	-	-	-	4,266,198
Source water protection fund	108,142	-	-	-	-	-	-	-	-	-	-	-	-	108,142
Water sales debt service NJEIT	179,733	-	-	-	-	-	-	-	-	-	-	-	-	179,733
Water sales overdrafts	7,987	-	-	-	-	-	-	-	-	-	-	-	-	7,987
NJ American pumping costs	149,329	-	-	-	-	-	-	-	-	-	-	-	-	149,329
Headquarters overhead	-	-	2,642,400	-	-	-	-	-	-	-	-	-	-	2,642,400
Reimbursement of WTP capital expenses	-	-	12,970	-	-	-	252,334	-	-	-	-	-	-	265,304
Disposition of assets	5,177	-	-	-	-	-	-	-	-	-	-	-	-	5,177
Reimbursement from/(to) Raritan Basin	21,004	-	-	-	-	-	-	-	-	-	-	-	-	21,004
Sale of investment securities	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonrefundable bid deposits	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Miscellaneous reimbursement	19,413	1,093	-	-	-	-	-	-	-	-	-	-	-	20,506
Transfers:														
Contributions from operating fund	(4,147,065)	675,000	(681,877)	-	-	-	-	176,920	3,521,337	-	-	188,350	267,335	-
Contributions to operating fund	1,649,453	175,000	(1,700,166)	-	-	-	(124,287)	-	-	-	-	-	-	-
Transfers for operations	(27)	27	-	-	-	-	-	-	-	-	-	-	-	-
Distribution from reserves to operations	193,102	-	-	-	-	-	-	-	-	-	-	(188,350)	(4,752)	-
Investment income	249,797	1,264	28,891	142	1,116	3,582	1,322	1,166	-	-	3,447	203	7,492	298,422
Per resolution, section 603:														
Investment income, transfer from	(3,341)	-	-	(104)	(811)	(2,626)	-	-	-	-	-	(203)	-	(7,085)
Investment income, transfer to	3,544	-	3,542	-	-	-	-	-	-	-	-	-	-	7,086
Unrealized gain/(loss) on fair value	69,559	-	-	-	-	-	-	-	-	-	-	-	-	69,559
Total cash receipts	5,892,773	852,384	305,760	38	305	956	129,369	178,086	3,521,337	-	3,447	-	270,075	11,154,530
Total available cash and investments	\$ 19,648,799	\$ 1,137,060	\$ 2,170,419	\$ 9,557	\$ 99,005	\$ 254,968	\$ 141,056	\$ 324,382	\$ 6,762,233	\$ 1,746,553	\$ 247,736	\$ 41,197	\$ 783,509	\$ 33,366,474

**NEW JERSEY WATER SUPPLY AUTHORITY
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**SCHEDULE OF CHANGES IN CASH AND INVESTMENTS - MANASQUAN WATER SUPPLY SYSTEM (CONTINUED)
YEAR ENDED JUNE 30, 2019**

	Operating Fund					Self-Insurance Reserve	Renewal & Replacement Account	Water Reuse & Recycling	Source Water Protections	Depreciation Reserve	Pumping Reserve	Sediment Reserve	Subtotal
	Revenue Fund	Operating Account	Payroll Account	Operating Fund	Reserve for O&M								
Total available cash and investments	\$ 173,265	\$ 3,902,283	\$ 1,143,342	\$ 5,869,836	\$ 1,639,093	\$ 229,268	\$ 4,052,478	\$ 30,375	\$ 1,574,342	\$ 623,412	\$ 154,808	\$ 256,297	\$ 19,648,799
Cash disbursements:													
Payroll	-	-	1,087,682	-	-	-	-	-	-	-	-	-	1,087,682
Fringe benefits	-	2,152,439	-	(1,603,900)	-	-	-	-	-	-	-	-	548,539
Employee deferred compensation and credit union	-	-	-	281,697	-	-	-	-	-	-	-	-	281,697
Operations and maintenance	-	1,353,532	-	787,008	32,644	11,241	-	-	-	23,733	-	-	2,208,158
NJ American pumping costs	-	-	-	-	-	-	-	-	-	-	-	-	-
Prepaid insurance	-	-	-	-	-	-	-	-	-	-	-	-	-
Headquarters overhead	-	-	-	662,500	-	-	-	-	-	-	-	-	662,500
Capital assets reservoir	-	-	-	-	-	-	-	-	-	-	-	-	-
Capital improvement program (reservoir)	-	-	-	-	-	-	-	-	-	-	-	-	-
Purchase of investments securities	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal on bonds	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest on bonds	-	-	-	-	-	-	-	-	-	-	-	-	-
Total cash disbursements	-	3,505,971	1,087,682	127,305	32,644	11,241	-	-	-	23,733	-	-	4,788,576
Cash and investments - June 30, 2019	\$ 173,265	\$ 396,312	\$ 55,660	\$ 5,742,531	\$ 1,606,449	\$ 218,027	\$ 4,052,478	\$ 30,375	\$ 1,574,342	\$ 599,679	\$ 154,808	\$ 256,297	\$ 14,860,223
Summary of cash and investments:													
Cash (Manasquan)	\$ 173,265	\$ 396,312	\$ 55,660	\$ -	\$ 584	\$ 272	\$ -	\$ -	\$ -	\$ 680	\$ 146	\$ -	\$ 626,919
Cash (Water Treatment Plant/TS)	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-term investments	-	-	-	5,742,531	1,244,939	37,693	4,052,478	30,375	1,574,342	328,142	124,652	256,297	13,391,449
Long-term investments	-	-	-	-	-	-	-	-	-	-	-	-	-
Restricted investments (current)	-	-	-	-	360,926	180,062	-	-	-	270,857	30,010	-	841,855
Restricted investments (long-term)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total cash and investments	\$ 173,265	\$ 396,312	\$ 55,660	\$ 5,742,531	\$ 1,606,449	\$ 218,027	\$ 4,052,478	\$ 30,375	\$ 1,574,342	\$ 599,679	\$ 154,808	\$ 256,297	\$ 14,860,223

NEW JERSEY WATER SUPPLY AUTHORITY
A COMPONENT UNIT OF THE STATE OF NEW JERSEY

SCHEDULE OF CHANGES IN CASH AND INVESTMENTS - MANASQUAN WATER SUPPLY SYSTEM (CONTINUED)
YEAR ENDED JUNE 30, 2019

	Water Treatment Plant/Transmission System											General Reserve Fund	Employment Benefit Funds	Totals
	Subtotal	Operating Account	Operating Fund	Residual Reserve	Carbon Filter Reserve	Self-Insurance Reserve	Capital Improvement Reserve	NJ/EIT Debt Service	2016 Debt Service Account	2016 Debt Service Reserve	Rebate Fund			
Total available cash and investments	\$ 19,648,799	\$ 1,137,060	\$ 2,170,419	\$ 9,557	\$ 99,005	\$ 254,968	\$ 141,056	\$ 324,382	\$ 6,762,233	\$ 1,746,553	\$ 247,736	\$ 41,197	\$ 783,509	\$ 33,366,474
Cash disbursements:														
Payroll	1,087,682	-	-	-	-	-	-	-	-	-	-	-	-	1,087,682
Fringe benefits	548,539	-	-	-	-	-	-	-	-	-	-	-	-	548,539
Employee deferred compensation and credit union	281,697	-	-	-	-	-	-	-	-	-	-	-	-	281,697
Operations and maintenance	2,208,158	938,276	-	-	-	-	-	-	-	-	-	-	239,378	3,385,812
NJ American pumping costs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prepaid insurance	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Headquarters overhead	662,500	112,947	105,996	-	-	-	-	-	-	-	-	-	-	881,443
Capital assets reservoir	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capital improvement program (reservoir)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purchase of investments securities	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal on bonds	-	-	-	-	-	-	-	149,671	2,880,000	-	-	-	-	3,029,671
Interest on bonds	-	-	-	-	-	-	-	26,600	563,937	-	-	-	-	590,537
Total cash disbursements	4,788,576	1,051,223	105,996	-	-	-	-	176,271	3,443,937	-	-	-	239,378	9,805,381
Cash and investments - June 30, 2019	\$ 14,860,223	\$ 85,837	\$ 2,064,423	\$ 9,557	\$ 99,005	\$ 254,968	\$ 141,056	\$ 148,111	\$ 3,318,296	\$ 1,746,553	\$ 247,736	\$ 41,197	\$ 544,131	\$ 23,561,093
Summary of cash and investments:														
Cash (Manasquan)	\$ 626,919	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 626,919
Cash (Water Treatment Plant/TS)	-	85,837	-	-	-	-	-	-	-	-	-	-	-	85,837
Short-term investments	13,391,449	-	-	-	-	-	-	-	-	-	-	41,197	544,131	13,976,777
Long-term investments	-	-	2,064,423	9,557	99,005	254,968	141,056	-	-	-	-	-	-	2,569,009
Restricted investments (current)	841,855	-	-	-	-	-	-	-	-	-	-	-	-	841,855
Restricted investments (long-term)	-	-	-	-	-	-	-	148,111	3,318,296	1,746,553	247,736	-	-	5,460,696
Total cash and investments	\$ 14,860,223	\$ 85,837	\$ 2,064,423	\$ 9,557	\$ 99,005	\$ 254,968	\$ 141,056	\$ 148,111	\$ 3,318,296	\$ 1,746,553	\$ 247,736	\$ 41,197	\$ 544,131	\$ 23,561,093

INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS

To the Commissioners of
New Jersey Water Supply Authority

We have audited, 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, the financial statements of the business-type activities of the New Jersey Water Supply Authority (the "Authority"), as of and for the year ended June 30, 2019, and the related notes to financial statements, which collectively comprise the Authority's basic financial statements, and have issued our report thereon dated October 16, 2019.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Authority's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Authority's internal control. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. *A material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the Authority's financial statements will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit, we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS (CONTINUED)

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Authority's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Authority's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Authority's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Mercedien, P.C.
Certified Public Accountants

October 16, 2019