

**THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY**

**COMPREHENSIVE ANNUAL  
FINANCIAL REPORT**

**FISCAL YEARS ENDED**

**JANUARY 31, 2019 AND 2018**

**(WITH INDEPENDENT AUDITOR'S REPORT THEREON)**

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
COMPREHENSIVE ANNUAL FINANCIAL REPORT  
FISCAL YEARS ENDED  
JANUARY 31, 2019 AND 2018

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INTRODUCTORY SECTION



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Hoboken, NJ 07030  
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Fax 201/963-3907  
www.nhudsonsa.com

**Commissioners:**

**Brian H. Kappock**  
Chairman

**Edward Friedrich**  
**Kurt Gardiner**  
**Libero D. Marotta**  
**Joseph E. Roque**  
**Myrli T. Sanchez**  
**Anthony J. Soares**  
**Alejandro Velazquez**  
**Erika White**

**Dr. Richard J. Wolff**  
Executive Director

**Fredric J. Pucci, P.E.**  
Authority Engineer

The Honorable Chairman and Commissioners  
of The North Hudson Sewerage Authority  
Hoboken, New Jersey

State law requires that all local authorities publish a complete set of financial statements presented in conformity with accounting principles generally accepted in the United States of America (GAAP) and audited in accordance with auditing standards generally accepted in the United States of America by a firm of licensed certified public accountants. Pursuant to that requirement, we hereby issue the comprehensive annual financial report (CAFR) of The North Hudson Sewerage Authority (the "Authority") for the fiscal year ended January 31, 2019.

This report consists of management's representations concerning the finances of the Authority. We believe it is accurate in all material respects, that it is presented in a manner designed to set forth fairly the financial position and results of operations of the Authority as measured by the financial activity of its various funds, and that all disclosures necessary to enable the reader to gain maximum understanding of the Authority's financial affairs have been included. Responsibility for completeness and clarity of the report, including disclosures, rests with the management of the Authority and ultimately with the Board of Commissioners. By utilizing the CAFR format, it is the Authority's intent to facilitate an understanding by the non - financially oriented system user as well as provide all necessary information for the most sophisticated financial observer.

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

**Organization of Report**

The CAFR is presented in several sections: Introductory, Financial, Single Audit, Supplementary and Statistical. The Introductory Section includes this transmittal letter, and a list of principal officials. The Financial Section includes the independent auditor's report, MD&A, the financial statements, as well as the notes to the financial statements. The Single Audit Section includes the independent auditor's reports covering compliance and internal control over compliance and financial reporting, schedules of federal and state financial assistance, as well as a schedule of related findings. The Supplementary Section includes supplementary schedules and information required by the Division of Local Government Services. The Statistical Section includes selected financial, economic and demographic information, generally presented on a multi-year basis.



### **Government Structure and Services**

The Authority currently is governed by a nine member board, three of whom are appointed by resolution of the City Council of the City of Hoboken, two by resolution of the Board of Commissioners of the City of Union City, two by resolution of the Township Council of the Township of Weehawken and two by resolution of the Board of Commissioners of the Town of West New York. Members are appointed for terms of five years.

The Authority was created for the purpose of, among other things, acquiring, constructing, maintaining and operating facilities for the treatment, purification and disposal of sewage and other wastes. The Authority's overriding mission is to safeguard the local waterways while operating a cost-efficient, streamlined regional wastewater treatment plant system. The Authority services the City of Hoboken, the City of Union City, the Township of Weehawken and the Town of West New York.

### **Internal Accounting Controls**

Management of the Authority is responsible for establishing and maintaining an adequate internal control structure. In developing and evaluating the Authority's accounting system, consideration is given to the adequacy of internal accounting controls. Internal accounting controls are designed to provide reasonable, but not absolute, assurance regarding (1) the safeguarding of assets against loss from unauthorized use or disposition, and (2) the reliability of financial records for preparing financial statements and maintaining accountability for assets. The concept of reasonable assurance recognizes that the cost of controls should not exceed the benefits expected to be derived. All internal control evaluations occur within the above framework. We believe the Authority's internal accounting controls adequately safeguard assets and provide reasonable assurance for the proper recording of financial transactions.

### **Basis of Accounting**

The Authority's accounting records are maintained on an accrual basis and in accordance with GAAP, as promulgated by the Governmental Accounting Standards Board (GASB). The Authority is a self-supporting entity and follows enterprise fund reporting; accordingly, the financial statements are presented using the economic resources measurement focus and the accrual basis of accounting.

### **Annual Budget**

The annual budget serves as the foundation for the Authority's financial planning and control. Management prepares a proposed budget, which is presented to the Authority's Finance Committee for review and approval. Prior to adoption by the Authority's Board of Commissioners, these budgets are reviewed and approved by the State of New Jersey Division of Local Government Services.

### **Debt Administration**

At January 31, 2019, the Authority's outstanding debt includes \$301,980,000.00 in Senior Lien Lease Certificates, loans from the State of New Jersey Environmental Infrastructure Trust of \$ 50,052,915.01 and short-term non- permanent construction loans of \$40,202,367.00 from NJEIT, not including unamortized premium and deferred bond defeasance costs.

### **Economic Condition and Outlook**

The Authority services the Cities of Hoboken and Union City, the Township of Weehawken and the Town of West New York, all of which are located in Northern Hudson County. This area is experiencing a period of economic stability. Its proximity to employment centers in New York City and northern New Jersey contribute towards maintaining a stable outlook.

### Cash Management

The Authority strives to keep abreast of current developments and procedures in cash management to insure efficient and profitable use of available cash resources. The investment policy of the Authority is guided in large part by New Jersey Statutes. Cash is deposited in institutions located in New Jersey, which are protected from loss under the provisions of the Governmental Unit Deposit Protection Act (GUDPA). GUDPA was enacted in 1970 to protect Governmental Units from a loss of funds on deposit with a failed banking institution in New Jersey. Funds not needed immediately are invested as certificates of deposit.

### Risk Management

The Authority carries various forms of insurance, including, but not limited to, general liability, automotive, hazard and theft.

### Pension Benefits

All Authority employees participate in the New Jersey Public Employees Retirement System (PERS) or the Defined Contribution Retirement Program (DCRP). The PERS is a defined benefit pension plan and is administered by the State of New Jersey Division of Pensions. The DCRP provides members with a tax-sheltered, defined contribution retirement benefit, along with life insurance and disability coverage. Participants are required to contribute a statutory amount to the PERS and DCRP.

### Annual Independent Audit

The Authority's financial statements have been audited by the independent accounting firm of Garbarini & Co., P.C., Certified Public Accountants, Registered Municipal Accountants. The goal of the independent audit was to provide reasonable assurance that the financial statements of the Authority for the fiscal years ended January 31, 2019 and 2018 are free of material misstatement. The independent audit involved examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements; assessing the accounting principles used and significant estimates made by management; and evaluating the overall financial statement presentation. The independent auditor concluded, based upon the audit, that there was a reasonable basis for rendering an unqualified opinion that the Authority's financial statements for the fiscal years ended January 31, 2019 and 2018, are fairly presented in conformity with GAAP. The independent auditor's report is included in the financial section of this report.

### Acknowledgments

The preparation of this report would not have been possible without the efficient and dedicated services of the entire staff of the Authority, as well as its contracted professionals. We would like to express our appreciation to all those who assisted and contributed to the preparation of this report. Credit must also be given to the Chairman and Commissioners of the Authority for their unfailing support for maintaining the highest standards of professionalism in the management of the Authority's finances.

Respectfully submitted,

*Richard J. Wolff*  
Richard J. Wolff  
Executive Director

*Linda P. Kish*  
Linda P. Kish  
Chief Financial Officer

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
ROSTER OF OFFICIALS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Authority Members

Term Expiration

Brian Kappock	Commissioner / Chairman	01/31/2018 Holdover Status
Libero Marotta	Commissioner / Vice Chairman	01/31/2013 Holdover Status
Edward Friedrich	Commissioner	01/31/2022
Kurt Gardiner	Commissioner	01/31/2019
Joseph Roque	Commissioner	01/31/2021
Myrli Sanchez	Commissioner	01/31/2021
Anthony Soares	Commissioner	01/31/2023 Effective 02/01/2018
Alejandro Velazquez	Commissioner	01/31/2023
Erika White	Commissioner	01/31/2018 Holdover Status

Other Officials

Richard J. Wolff	Executive Director
Fredric J. Pocci	Authority Engineer
Leanza & Agrapidis	General Counsel
Winne Banta	Bond Counsel
Mott MacDonald	Consulting Engineering Company
Donohue, Gironda, Doria & Tomkins, LLC	Accountant
Garbarini & Co. P.C.	Auditor
NW Financial Group, LLC	Financial Advisor
TD Bank	Trustee, Registrar and Paying Agent



FINANCIAL SECTION

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**INDEPENDENT AUDITOR'S REPORT**

The Honorable Chairman and Commissioners  
The North Hudson Sewerage Authority  
County of Hudson  
Hoboken, New Jersey 07030

**Report on the Financial Statements**

We have audited the accompanying comparative statement of net position of The North Hudson Sewerage Authority, County of Hudson, State of New Jersey (the "Authority"), and the related comparative statements of revenues, expenses and changes in net position and comparative cash flows as of and for the years ended January 31, 2019 and 2018, and the related notes to the financial statements.

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

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

**Auditor's 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, and the audit requirements prescribed by the *Division of Local Government Services, Department of Community Affairs, State of New Jersey*. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

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

**Opinion**

In our opinion, the comparative financial statements referred to above present fairly, in all material respects, the respective financial position of the Authority as of January 31, 2019 and 2018 and the respective statements of revenues, expenses and changes in net position and cash flows thereof for the years then ended in accordance with the accounting principles generally accepted in the United States of America.

## **Emphasis of Matter**

### *Adoption of New Accounting Pronouncement*

As discussed in Note 13 to the financial statements, in the fiscal year ended January 31, 2019, the Authority adopted new accounting guidance, Governmental Accounting Standards Board Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*. The prior year financial statements were restated to reflect the pension liability as of January 31, 2018. Our opinion is not modified with respect to this matter.

## **Other Matters**

### *Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the supplementary information, such as the management's discussion and analysis and budgetary comparison information on pages 8 through 12 and 58 through 61 be presented to supplement the basic financial statement. 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 in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

### *Other Information*

Our audits were conducted for the purpose of forming opinions on the financial statements that collectively comprise the Authority's basic financial statements as a whole. The introductory section, supplementary schedules 1 through 12 and statistical section are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The supplementary schedules 1 through 12 are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. The accompanying schedules of expenditures of federal awards and state financial awards are presented for purposes of additional analysis as required by the Title 2 U.S. *Code of Federal Regulations (CFR) Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements of Federal Awards*, and N.J. OMB Circular 15-08, *Single Audit Policy for Recipients of Federal Grants, State Grants and State Aid* respectively, and are not a required part of the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the 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 information is fairly stated, in all material respects, in relation to the financial statements as a whole.

The introductory section and statistical section have not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on them.

**Other Reporting Required by Government Auditing Standards**

In accordance with *Government Auditing Standards*, we have also issued our report dated July 5, 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 and grant agreements and other matters. The purpose of that report is 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 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.



Paul W. Garbarini, CPA  
Registered Municipal Accountant  
No. 534



Garbarini & Co. P.C. CPA's  
Registered Municipal Accountants

July 5, 2019  
Carlstadt, New Jersey

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
(Unaudited)

This section of The North Hudson Sewerage Authority's (the "Authority") annual financial report presents our discussion and analysis of the Authority's financial performance during the fiscal year ended January 31, 2019. It is to be read in conjunction with the Authority's financial statements and accompanying notes.

**OVERVIEW OF THE FINANCIAL STATEMENTS**

The Authority is a self-supporting entity and follows enterprise fund reporting; accordingly, the financial statements are presented using the economic resources measurement focus and the accrual basis of accounting. Enterprise fund statements offer short and long-term financial information about the activities and operations of the Authority. These statements are presented in a manner similar to a private business, and in the manner prescribed by the Governmental Accounting Standards Board.

This annual financial report consists of two parts: Management's Discussion and Analysis (this section) and the basic financial statements. The basic financial statements include the Statement of Net Position, Statement of Revenue, Expenses and Changes in Net Position, Statement of Cash Flows, and the Notes to the Financial Statements.

The Statement of Net Position provides information about the nature and amount of investments in resources (assets) and the obligations to Authority creditors (liabilities).

The Statement of Revenues, Expenses and Changes in Net Position, which accounts for all of the current year's revenues and expenses, measures the success of the Authority's operations over the past year and can be used to determine how the Authority has funded its costs.

The Statement of Cash Flows provides information about the Authority's cash receipts, cash payments, and net changes in cash resulting from operating, investing and financing activities.

The Notes to the Financial Statements provide information that is essential to understanding the basic financial statements, such as the Authority's accounting methods and policies. The Notes to the Financial Statements also provide information on contractual obligations, future commitments, contingencies, and other events that could materially affect the Authority's financial position.

**FINANCIAL HIGHLIGHTS**

The following data highlights the Authority's finances for the year ended January 31, 2019:

Total Net Position increased:	\$	8,383,230.65	or	7.42%
Cash and Investments decreased:	\$	(10,869,207.59)	or	-10.63%
Net Property, Plant & Equipment increased:	\$	9,271,918.94	or	2.57%
Operating Revenues decreased:	\$	(955,715.94)	or	1.61%
Operating Expenses increased:	\$	1,776,103.56	or	7.00%
Operating Income decreased:	\$	(2,731,819.50)	or	8.01%
Non-Operating Revenue decreased:	\$	(159,532.33)	or	-27.56%
Non-Operating Expense decreased:	\$	(2,677,179.52)	or	-10.26%

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
(Unaudited)

**FINANCIAL ANALYSIS OF THE AUTHORITY**

The following table summarizes the changes in assets, liabilities and net position for the fiscal years ended January 31, 2019, 2018, and 2017.

	2019	"Restated" 2018	2017
Unrestricted Assets	\$ 40,780,219.53	\$ 44,276,723.53	\$ 33,836,123.34
Restricted Assets	87,641,651.44	86,805,352.17	84,433,674.76
Net Property, Plant & Equipment	370,379,515.13	361,107,596.19	350,022,221.56
<b>Total Assets</b>	<b>\$ 498,801,386.10</b>	<b>\$ 492,189,671.89</b>	<b>\$ 468,292,019.66</b>
Deferred Outflows of Resources:			
Pension / OPEB Deferred Outflows	737,234.00	811,129.00	837,137.00
Current Liabilities	\$ 59,587,716.79	\$ 38,249,865.82	\$ 15,047,171.43
Long-Term Liabilities	317,341,689.06	341,209,422.47	347,661,523.59
<b>Total Liabilities</b>	<b>\$ 376,929,405.85</b>	<b>\$ 379,459,288.29</b>	<b>\$ 362,708,695.02</b>
Deferred Inflow of Resources:			
Pension / OPEB Deferred Inflows	1,223,246.00	538,775.00	1,909.00
Net Position:			
Invested in Capital Assets	\$ 50,012,694.49	\$ 39,005,440.99	\$ 32,363,167.89
Restricted	35,032,141.80	35,032,141.80	35,032,141.80
Unrestricted	36,341,131.96	38,965,154.81	39,023,242.95
<b>Total Net Position</b>	<b>\$ 121,385,968.25</b>	<b>\$ 113,002,737.60</b>	<b>\$ 106,418,552.64</b>

The Authority's Total Net Position increased as a result of strong collection of user fees, facility charges and connection fees. Net Property, Plant & Equipment increased as a result of the Authority's continuing commitment to maintain and improve its wastewater treatment plants and sewer collection system. Current Liabilities increased in fiscal year 2019 as a result of the Authority borrowing \$23.3M in short-term non-permanent construction loans from the NJIB. These loans are expected to be permanently financed in fiscal year 2020. Long-Term Liabilities decreased as a result of the Authority continuing to pay down the principal amount of its Senior Lien Certificates and NJIB loans, including a \$18.8M cash defeasance of its Senior Lien Certificates. In addition, the Authority paid an additional \$2M in fiscal years 2019 and 2018 towards its variable rate Senior Lien Certificates. In fiscal year 2017 the Authority defeased \$22.8M of its Senior Lien Certificates.

The Authority's Net Position Invested in Capital Assets continues to increase as the Authority upgrades its treatment facilities and collection system, including the development of its long-term control plan to decrease the number of combined sewer overflows.

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
(Unaudited)

**FINANCIAL ANALYSIS OF THE AUTHORITY (Continued)**

**Operating Activities** - The Authority charges a user fee for sewerage treatment and disposal, and a connection fee for connection to its sewer system. User rates per 1,000 gallons for the year ended January 31, 2019, 2018 and 2017 were 9.68, 9.38 and \$9.24, respectively. The fee for connection to the Authority's sewer system is a statutory calculation.

The following table summarizes the changes in revenues, expenses and net assets for the fiscal years ended January 31, 2019, 2018, and 2017:

	2019	"Restated" 2018	2017
Operating Revenue			
User Charges	\$ 52,199,487.64	\$ 52,093,730.02	\$ 52,847,848.65
Connection Fees	711,019.18	7,034,161.20	6,262,247.06
Other Income	5,595,620.42	333,951.96	148,303.98
<b>Total Operating Revenue</b>	<b>58,506,127.24</b>	<b>59,461,843.18</b>	<b>59,258,399.69</b>
Operating Expenses			
Cost of Providing Services	17,425,363.05	16,111,709.99	15,167,362.30
General and Administrative	6,560,439.21	3,054,149.65	2,924,946.66
Depreciation Expense	3,147,090.17	6,190,929.23	5,980,765.10
<b>Total Operating Expenses</b>	<b>27,132,892.43</b>	<b>25,356,788.87</b>	<b>24,073,074.06</b>
<b>Operating Income</b>	<b>31,373,234.81</b>	<b>34,105,054.31</b>	<b>35,185,325.63</b>
Non-Operating Revenue			
Grant Revenue	213,284.00	346,624.75	169,152.64
Other Revenue	206,041.31	232,232.89	91,656.80
<b>Total Non-Operating Revenue</b>	<b>419,325.31</b>	<b>578,857.64</b>	<b>260,809.44</b>
Non-Operating Expenses			
Superstorm Sandy/ Grant Expenses	441,810.54	2,722,833.87	2,004,501.06
Amortization Expense	7,256,876.60	7,354,908.61	7,179,621.54
Interest Expense	15,710,642.33	16,008,766.51	16,460,671.38
<b>Total Non-Operating Expense</b>	<b>23,409,329.47</b>	<b>26,086,508.99</b>	<b>25,644,793.98</b>
Change in Net Position			
Unrestricted/Restricted	\$ 8,383,230.65	\$ 8,597,402.96	\$ 9,801,341.09
Net Position Beginning of Year	113,002,737.60	106,418,552.64	96,617,211.55
Restatement of Net Position due to GASB 75		(2,013,218.00)	
<b>Net Position, End of Year</b>	<b>\$ 121,385,968.25</b>	<b>\$ 113,002,737.60</b>	<b>\$ 106,418,552.64</b>

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
(Unaudited)

**CAPITAL ASSETS AND DEBT ADMINISTRATION**

**Capital Assets** - The Authority, in fulfilling its mission to provide facilities for the treatment, purification and disposal of sewage and other wastes within the municipalities of Hoboken, Union City, Weehawken and West New York, has invested its resources in sewerage treatment plants, infrastructure and other necessary equipment.

The following table summarizes the changes in capital assets at January 31, 2019 and 2018:

	2019	2018	Increase/ (Decrease)
Easement	\$ 950,000.00	\$ 950,000.00	\$ -
Plants	217,937,498.89	215,527,521.47	2,409,977.42
Mains and Lines	129,814,557.89	119,184,896.73	10,629,661.16
Pump Stations	39,816,135.71	35,706,959.86	4,109,175.85
Office Equipment	207,161.89	207,161.89	0.00
Trucks and Vehicles	1,306,314.14	1,306,314.14	0.00
	<u>390,031,668.52</u>	<u>372,882,854.09</u>	<u>17,148,814.43</u>
Less:			
Accumulated Depreciation and Amortization	(94,032,040.80)	(87,458,934.92)	(6,573,105.88)
Net Plant & Equipment	295,999,627.72	285,423,919.17	10,575,708.55
Land	58,534,862.59	58,534,862.59	-
Work in Progress	15,845,024.82	17,148,814.43	(1,303,789.61)
Property, Plant and Equipment, net of depreciation and amortization	<u>\$ 370,379,515.13</u>	<u>\$ 361,107,596.19</u>	<u>\$ 9,271,918.94</u>

Additions to net assets during the fiscal year ended January 31, 2019 consisted of improvements to the Authority's treatment plants, main lines, pumping stations, outfalls and administration building.



THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
MANAGEMENT'S DISCUSSION AND ANALYSIS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
(Unaudited)

**CAPITAL ASSETS AND DEBT ADMINISTRATION (Continued)**

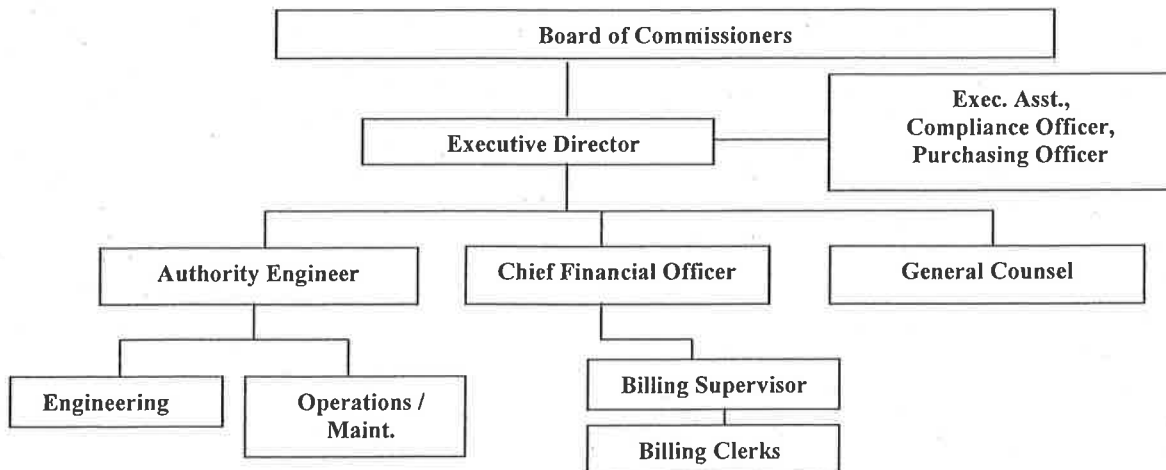
**Capital Debt** - At year end, the Authority had \$301,980,000.00 of Senior Lien Lease Certificates principal outstanding, \$50,052,915.01 of New Jersey Environmental Infrastructure Trust loans payable and \$40,202,367.00 in short-term non-permanent construction loans payable from NJEIT, not including unamortized premium and deferred bond defeasance costs; which is presented in Note 5 to the financial statements.

	2019	2018	Increase/ (Decrease)
Senior Lien Lease Certificates Payable	\$ 301,980,000.00	\$ 325,490,000.00	(23,510,000)
Loan Payable (Pemanent & Non-permanent)	90,255,282.01	74,979,543.60	15,275,738.41
<b>Total Bonds and Loans Payable</b>	<b>\$ 392,235,282.01</b>	<b>\$ 400,469,543.60</b>	<b>\$ (8,234,261.59)</b>

**NEW BUSINESS**

In February 2018, the Authority set a new sewer user rate of \$9.68 per 1,000 gallons.

**ORGANIZATIONAL CHART**



**CONTACTING THE AUTHORITY'S FINANCIAL MANAGEMENT**

This financial report is designed to provide Hoboken, Union City, Weehawken and West New York citizens and taxpayers, and our customers, clients, investors and creditors, with a general overview of the Authority's finances and to demonstrate the Authority's accountability for the appropriations and grants that it receives. If you have questions about this report or need additional financial information, you may contact the Authority's Executive Director or Chief Financial Officer at 1600 Adams Street, Hoboken, New Jersey 07030 or at (201) 963-6043.

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
COMPARATIVE STATEMENTS OF NET POSITION

EXHIBIT A

<u>ASSETS</u>	<u>Fiscal Year Ended January 31,</u>	
Current Assets	<u>2019</u>	<u>2018</u> <u>(Restated)</u>
Unrestricted Assets:		
Cash and Cash Equivalents	\$ 32,415,882.20	\$ 36,334,905.06
Investments	0.00	0.00
Accrued Interest	104,437.20	88,080.33
Prepaid Expenses	1,185,048.77	1,117,112.51
Other Receivables	93,509.70	
Grant Receivable	1,361,390.73	2,025,401.66
Accounts Receivable - (net of allowance of \$2,400,000)	5,619,950.93	4,711,223.97
<b>Total Unrestricted Assets</b>	<u>40,780,219.53</u>	<u>44,276,723.53</u>
Temporarily Restricted Assets:		
Cash and Cash Equivalents	23,940,570.78	30,922,636.36
Investments	35,053,951.66	35,022,070.81
Due From Infrastructure Trust Fund	1,262,736.00	2,781,407.00
Due From Infrastructure Trust- Non Permanent Constr. Loans	27,384,393.00	18,079,238.00
<b>Total Temporarily Restricted Assets</b>	<u>87,641,651.44</u>	<u>86,805,352.17</u>
Property, Plant and Equipment		
Land	58,534,862.59	58,534,862.59
Construction in Progress	15,845,024.82	17,148,814.43
Plant and Equipment (Net of accumulated depreciation (\$94,032,040.80 and \$87,458,934.92))	295,999,627.72	285,423,919.17
<b>Total Net Property, Plant and Equipment</b>	<u>370,379,515.13</u>	<u>361,107,596.19</u>
<b>TOTAL ASSETS</b>	<u>\$ 498,801,386.10</u>	<u>\$ 492,189,671.89</u>
<b>DEFERRED OUTFLOWS OF RESOURCES</b>		
Pension Deferred Outflows	545,136.00	619,648.00
OPEB Deferred Outflows	192,098.00	191,481.00
<b>Total</b>	<u>\$ 737,234.00</u>	<u>\$ 811,129.00</u>

See independent auditor's report and the notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
COMPARATIVE STATEMENTS OF NET POSITION

EXHIBIT A

	<u>Fiscal Year Ended January 31,</u>	
<b>LIABILITIES</b>	<u>2019</u>	<u>2018</u> (Restated)
<b>Current Liabilities from Unrestricted Assets:</b>		
Accounts Payable and Accrued Expenses	\$ 708,422.51	\$ 857,514.01
Overpayments of Sewer Fees	<u>564,816.37</u>	<u>738,592.49</u>
<b>Total Current Liabilities from Unrestricted Assets</b>	<u>1,273,238.88</u>	<u>1,596,106.50</u>
<b>Current Liabilities from Restricted Assets:</b>		
Senior Lien Certificates and Infrastructure Loans Payable	11,107,280.36	10,841,705.81
Infrastructure - Non-Permanent Construction Loan Payable	40,202,367.00	18,079,238.00
Accrued Interest Payable	2,339,306.66	2,503,189.31
Net Pension Liability	1,383,404.00	1,493,734.00
Net OPEB Liability	1,664,108.00	2,140,595.00
Construction Contracts Payable	<u>1,618,011.89</u>	<u>1,595,297.20</u>
<b>Total Current Liabilities from Restricted Assets</b>	<u>58,314,477.91</u>	<u>36,653,759.32</u>
<b>Total Current Liabilities</b>	<u>59,587,716.79</u>	<u>38,249,865.82</u>
<b>Long Term Portion of Liabilities</b>		
Senior Lien Certificates and Infrastructure Loans Payable	317,341,689.06	341,209,422.47
	<u>317,341,689.06</u>	<u>341,209,422.47</u>
<b>Total Liabilities</b>	<u>\$ 376,929,405.85</u>	<u>\$ 379,459,288.29</u>
<b>DEFERRED INFLOWS OF RESOURCES</b>		
Pension Deferred Inflows	463,250.00	301,187.00
OPEB Deferred Inflows	759,996.00	237,588.00
	<u>\$ 1,223,246.00</u>	<u>\$ 538,775.00</u>
<b>NET POSITION</b>		
Invested in Capital Assets, Net of related debt	50,012,694.49	39,005,440.99
Restricted - Other	35,032,141.80	35,032,141.80
Unrestricted	<u>36,341,131.96</u>	<u>38,965,154.81</u>
<b>TOTAL NET POSITION</b>	<u>\$ 121,385,968.25</u>	<u>\$ 113,002,737.60</u>

See independent auditor's report and the notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
COMPARATIVE STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION -  
RESTRICTED AND UNRESTRICTED

EXHIBIT B

	Fiscal Year ended January 31, 2019			Fiscal Year ended January 31, 2018 (Restated)		
	Unrestricted	Restricted	Total	Unrestricted	Restricted	Total
Operating Revenues/Transfers:						
User Charges	\$ 52,199,487.64		\$ 52,199,487.64	\$ 52,093,730.02		\$ 52,093,730.02
Other Income/Interest	711,019.18		711,019.18	333,951.96		333,951.96
Connection Fees	5,595,620.42		5,595,620.42	7,034,161.20		7,034,161.20
Total Revenues and Transfers	<u>58,506,127.24</u>	<u>0.00</u>	<u>58,506,127.24</u>	<u>59,461,843.18</u>	<u>0.00</u>	<u>59,461,843.18</u>
Operating Expenses/Transfers:						
Costs of Providing Services	17,425,363.05		17,425,363.05	16,111,709.99		16,111,709.99
Depreciation Expenses	6,560,439.21		6,560,439.21	6,190,929.23		6,190,929.23
General and Administrative	3,147,090.17		3,147,090.17	3,054,149.65		3,054,149.65
Total Expenses and Transfers	<u>27,132,892.43</u>	<u>0.00</u>	<u>27,132,892.43</u>	<u>25,356,788.87</u>	<u>0.00</u>	<u>25,356,788.87</u>
Operating Income	<u>31,373,234.81</u>	<u>0.00</u>	<u>31,373,234.81</u>	<u>34,105,054.31</u>	<u>0.00</u>	<u>34,105,054.31</u>
Non-Operating Revenue/(Expense):						
Interest - Restricted	206,041.31		206,041.31	202,777.89		202,777.89
Grant Revenue/ FEMA Reduction /Adjustment	180,000.00		180,000.00	202,000.00		202,000.00
Hudson County Community Development Block Grant			0.00	96,499.75		96,499.75
New England Interstate Waste Grant	(441,810.54)		(441,810.54)	48,125.00		48,125.00
Superstorm Sandy Expenses	33,284.00		(441,810.54)	(2,722,833.87)		(2,722,833.87)
Solar Renewable Energy Credits	(15,710,642.33)		33,284.00	29,455.00		29,455.00
Interest Expense	(12,666.67)		(15,710,642.33)	(16,008,766.51)		(16,008,766.51)
Amortization of Easement	(7,244,209.93)		(12,666.67)	(12,666.67)		(12,666.67)
Amortization of Loss on Defeasance/ Premiums			(7,244,209.93)	(7,342,241.94)		(7,342,241.94)
Total Non-Operating Revenue/(Expense)	<u>(22,990,004.16)</u>	<u>0.00</u>	<u>(22,990,004.16)</u>	<u>(25,507,651.35)</u>	<u>0.00</u>	<u>(25,507,651.35)</u>
Change in Net Position	8,383,230.65	0.00	8,383,230.65	8,597,402.96	0.00	8,597,402.96
Transferred to Restricted/Unrestricted			0.00			0.00
Restatement of Beginning Net Position Due to GASB 75			0.00	(2,013,218.00)		(2,013,218.00)
Net Position Beginning of Year	77,970,595.80	35,032,141.80	113,002,737.60	71,386,410.84	35,032,141.80	106,418,552.64
Net Position, End of Year	<u>\$ 86,353,826.45</u>	<u>\$ 35,032,141.80</u>	<u>\$121,385,968.25</u>	<u>\$ 77,970,595.80</u>	<u>\$ 35,032,141.80</u>	<u>\$ 113,002,737.60</u>
Invested in Capital Assets, Net of Related Debt	\$ 50,012,694.49	\$ -	\$ 50,012,694.49	\$ 39,005,440.99	\$ -	\$ 39,005,440.99
Restricted - Other		35,032,141.80	35,032,141.80		35,032,141.80	35,032,141.80
Unrestricted	<u>36,341,131.96</u>		<u>36,341,131.96</u>	<u>38,965,154.81</u>		<u>38,965,154.81</u>
* GASB 75 Restatement of Net Position	<u>\$ 86,353,826.45</u>	<u>\$ 35,032,141.80</u>	<u>\$ 121,385,968.25</u>	<u>\$ 77,970,595.80</u>	<u>\$ 35,032,141.80</u>	<u>\$ 113,002,737.60</u>

See independent auditor's report and the notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
COMPARATIVE STATEMENTS OF CASH FLOWS

EXHIBIT C

Fiscal Year ended January 31,

	<u>2019</u>	<u>2018</u>
<b>Cash Flows from Operating Activities:</b>		
Cash Received from User Collections	\$ 50,626,765.18	\$ 53,090,249.82
Cash Received from Overpayments of User Fees	564,816.37	738,592.49
Cash Received from Misc.	49,012.56	20,386.90
Cash Received for Connection Fees	5,595,620.42	7,034,161.20
Cash Received for Other Receivables		
Cash Payments for Goods and Services	(17,890,722.94)	(16,279,195.47)
Cash Payments for Employees and Taxes	(778,501.14)	(696,895.45)
Cash Payments for Prepaid Expenses	(1,185,048.77)	(1,117,112.51)
Cash Payments for Accounts Payable	(857,514.01)	(884,632.40)
Cash Payments for Refunds - User Charges	(68,167.71)	(147,459.12)
Net Cash Provided/(Used) by Operating Activities	<u>36,056,259.96</u>	<u>41,758,095.46</u>
<b>Cash Flows from Non-Capital Financing Activities:</b>		
Transfer from Other Funds - Unrestricted	110,754,461.43	95,588,994.63
Transfer from Other Funds - Restricted	97,244,888.33	89,282,273.76
Transfer to Other Funds - Unrestricted	(107,438,274.81)	(100,395,853.82)
Transfer to Other Funds - Restricted	(100,561,074.95)	(84,475,414.57)
Net Cash Provided/(Used) by Non-Capital Financing Activities	<u>0.00</u>	<u>0.00</u>
<b>Cash Flows from Capital and Related Financing Activities:</b>		
Grant Receipts/ Insurance Reimbursements net with Grant Expenditures	435,484.39	(679,182.76)
Acquisition and Construction of Capital Assets	(14,224,042.93)	(14,792,090.11)
Payments for Capital Assets Accounts Payable	(1,595,297.20)	(1,078,178.30)
Transfers to Escrow Fund to Defeas Debt & Costs of Issuance	(20,500,668.75)	
Principal Paid on Infrastructure Loans and Lease Certificates	(11,535,789.04)	(11,111,826.16)
Interest Paid on Bonds/ Certificates/ and Notes	(15,875,524.98)	(15,986,395.09)
Infrastructure Loan/ Trust/ Grant Reimbursements	15,524,764.00	9,417,661.00
Net Cash Provided/(Used) by Capital and Related Financing Activities	<u>(47,771,074.51)</u>	<u>(34,230,011.42)</u>
<b>Cash Flows from Investing Activities:</b>		
Investment/Interest Income - Unrestricted	639,565.65	265,465.71
Investment/Interest Income - Restricted	206,041.31	202,777.89
Net Cash Provided/(Used) by Investing Activities	<u>845,606.96</u>	<u>468,243.60</u>
Net Increase/(Decrease) in Cash and Cash Equivalents/Investments	(10,869,207.59)	7,996,327.64
Cash and Cash Equivalents/Investments at Beginning of Year	102,279,612.23	94,283,284.59
Cash and Cash Equivalents/Investments at End of Year	<u>\$ 91,410,404.64</u>	<u>\$ 102,279,612.23</u>

See independent auditor's report and the notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
NOTES TO FINANCIAL STATEMENTS  
FOR THE FISCAL YEARS ENDED JANUARY 31, 2019 AND 2018

**1. Authorizing Legislation and Bond Resolution**

The North Hudson Sewerage Authority, County of Hudson, State of New Jersey (the "Authority"), is a political subdivision and public body corporate and politic of the State of New Jersey. It was established pursuant to the Sewerage Authorities Law of New Jersey, constituting Chapter 138 of the Pamphlet Laws of 1946 of the State of New Jersey as amended and supplemented (the "Act"). The Local Finance Board approved the creation of the Authority in November 1987. The Authority was created pursuant to the Act as the Hoboken, Union City, and Weehawken Sewerage Authority by parallel ordinances of the City of Hoboken, the City of Union City, and the Township of Weehawken dated January 6, 1988; February 16, 1988; and December 15, 1988. Upon issuance of the Series 1996 Bonds and the acquisition of the West New York System, the Authority was renamed "The North Hudson Sewerage Authority". The Authority has the right, power and authority to acquire, use and holds all real and personal property, and make and perform all contracts, and take proper or necessary action to design, finance, construct, acquire and operate its system of sewers, treatment plants and other plants and structures.

On May 24, 2012 the Authority issued Gross Revenue Senior Lien Lease Certificates (Series 2012 A and B) in the aggregate principal amount of \$313,965,000. The purpose of the Lease Certificates was to provide the necessary funding in connection with the Certificates of Participation dated May 24, 2012. The proceeds of the Certificates were used to defease and redeem all of its then outstanding senior lien debt (Bonds) in the amount of \$205,826,733.20; and to refund its then outstanding notes in the amount of \$37,750,000; and settle all claims arising from the Structured Financing Transaction in an estimated amount of \$12,000,000. The Lease Certificates were issued pursuant to an Agent Agreement, by and among The Bank of New York Mellon, as Agent, Municipal Infrastructure Leasing 1, LLC (the "Lessor") and the Authority, and sold to Morgan Stanley & Co. LLC (the "Underwriter") in accordance with a Purchase Contract submitted by the Underwriter. The Gross Revenue Senior Lien Lease Certificates Series A and B closed on May 24, 2012 in the amount of \$313,965,000. The Lease Certificates (Series 2012 A and B) were issued in connection with the Authority's restructuring of its outstanding debt (the "Restructuring Plan"). During fiscal year 2017 \$22,790,000 of the Authority's Gross Revenue Senior Lease Certificates (Series 2012 A and B) were defeased with funds from the Authority's General Fund. Funds totaling \$25,979,936.05 were deposited into an Escrow Account to defease the Lease Certificates. During Fiscal Year 2019, \$18,825,000 of the Authority's Gross Revenue Senior Lease Certificates (Series 2012 A and B) were defeased with funds from the Authority's General Fund. Funds totaling \$20,424,911.34 were deposited into an Escrow Account to defease the Lease Certificates.

In order to effectuate the Restructuring Plan, concurrently with the issuance of the Lease Certificates (Series A and B), the Authority issued Gross Revenue Senior Lien Lease Certificates, Series 2012 C (Federally Taxable) in the aggregate principal amount of \$40,000,000. The Authority has determined to lease its system to the Lessor pursuant to a Head Lease Agreement by and between the Lessor and the Authority and to lease back the System from the Lessor pursuant to a Master Lease Agreement by and between the Authority and the Lessor (the "Master Lease"). The Authority will agree to pay, among other payments, fixed rent in principal and interest portions to the Lessor, which fixed rent payments will be assigned to the Agent under the Agent Agreement for the benefit of the owners of the Lease Certificates as security for the Lease Certificates. The Authority has pledged its Gross Revenues to secure the payment of the fixed rent and has agreed to operate and maintain the System and to pay operating expenses in connection there with and to maintain reserves for the benefit of the System. The Authority provided for the payment of the defeased obligations from existing Debt Service Reserve Fund in the amount of \$2,485,695.90 and Debt Service Fund Contribution of \$3,600,000. Funds from the proceeds of the Lease Certificates were used to fund the Debt Service Reserve Fund in the amount of \$21,316,377.04 and Capitalized Interest Fund in the amount of \$10,000,000. Costs of issuance were \$7,186,226.22.

See independent auditor's report

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
NOTES TO FINANCIAL STATEMENTS  
FOR THE FISCAL YEARS ENDED JANUARY 31, 2019 AND 2018

**1. Authorizing Legislation and Bond Resolution**

There was an original issue premium of \$13,770,101.10 on the Series 2012 A and B Certificates, was amortized over the life of the bonds. Funds totaling \$271,852,428.98 were deposited into the Escrow Account to defease \$205,826,733.20 of the Authority's outstanding senior lien debt (Bonds).

**2. Summary of Significant Accounting Policies**

**a. *Measurement Focus and Basis of Accounting***

The financial statements are reported using the economic resources measurement focus and the accrual basis of accounting in accordance with generally accepted accounting principles accepted in the United States of America (GAAP) as applied to governmental units. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles. Revenues are recognized in the accounting period when they become susceptible to accrual. Expenditures, if measurable, are recognized in the accounting period in which the liability is incurred, regardless of the timing of related cash flows. Basis of accounting refers to when revenues and expenditures are recognized in the accounts and reported in the financial statements. Basis of accounting relates to the timing of the measurements made, regardless of the measurement focus applied. The Authority applies all (GASB) pronouncements, as well as all Financial Accounting Standards (FASB) statements and interpretations issued.

The Authority follows the pronouncements of the GASB Statement No. 62, *Codification of Accounting and Financial Reporting Guidance Contained in Pre-November 30, 1989 FASB and AICPA Pronouncements*, which requires the Authority to follow the pronouncements of the GASB in its accounting and financial reporting. GASB Statement No. 62 superseded previous guidance contained in GASB Statement No. 20, *Accounting and Financial Reporting for Proprietary Funds and Other Governmental Activities That Use Proprietary Funds Accounting*.

On February 1, 2013, the Authority implemented GASB 65, "Items Previously Reported as Assets and Liabilities". As a result of implementation, the Authority was required to restate the financial statements presented for the fiscal year ended January 31, 2013, to expense previously reported deferred outflows of resources. Therefore, prior debt issuance costs were fully expensed in fiscal year 2013 as restated.

GASB 68, *Accounting and Financial Reporting for Pensions*, is effective beginning with the year ending June 30, 2015. The objective if this Statement is to improve accounting and financial reporting by state and local governments for pensions. It also improves information provided by state and local governmental employers about financial support for pensions that is provided by other entities. This Statement replaces the requirements of Statement No. 27, *Accounting for Pensions by State and Local Governmental Employers*, as well as the requirements of Statement No. 50, *Pension Disclosures*, as they relate to pensions that are provided through pension plans administered as trusts or equivalent arrangements that meet certain criteria. As a result of implementation, the Authority was required to restate the financial statements presented for the fiscal year ended January 31, 2015, to reflect the pension liability and resulting change to net position. Amendments to and further clarification of GASB 68, include GASB 71, *Pension Transition for Contributions Made Subsequent to the Measurement Date*, GASB 73, *Accounting and Financial Reporting for Pensions and Related Assets That Are Not Within the Scope of GASB Statement 68 and Amendments to Certain Provisions of GASB 67 and 68.*, and GASB 78, *Pensions Provided Through Certain Multiple-Employer Defined Benefit Pension Plans*.

See independent auditor's report

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
NOTES TO FINANCIAL STATEMENTS  
FOR THE FISCAL YEARS ENDED JANUARY 31, 2019 AND 2018

**2. Summary of Significant Accounting Policies**

GASB Statement No. 82, *Pension Issues and amendment of GASB Statements No. 67, No. 68, and No. 73* is effective for beginning with year ending June 30, 2017. This Statement addresses issues regarding (1) the presentation of payroll related measures in required supplementary information, (2) the selection of assumptions and the treatment of deviations from the guidance in an Actuarial Standard of Practice for financial reporting purposes, and (3) the classification of payments made by employers to satisfy employee (plan member) contribution requirements. The adoption this Statement had no impact on the Authority's financial statements.

Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, is effective beginning with the year ending June 30, 2018. The primary objective of this Statement is to improve accounting and financial reporting by state and local governments for postemployment benefits other than pensions (other postemployment benefits or OPEB). It also improves information provided by state and local governmental employers about financial support for OPEB that is provided by other entities. As a result of implementation, the Authority was required to restate the financial statements presented for fiscal year ended January 31, 2018, to reflect the OPEB liability and resulting change to net position. (See Note 13 and 15).

**b. *Cash and Cash Equivalents***

In addition to cash, cash equivalents include investments in direct obligations of the U.S. Government and certain U.S. Government Agencies that are stated at cost. Cash equivalents consist of short-term, highly liquid investments, which are readily convertible into cash within ninety (90) days of purchase. Restricted investments include all funds which are to be used for specific purposes other than operating and general funds.

**Unrestricted – Cash, Cash Equivalents and Investments**

Cash includes petty cash, change funds, cash in banks, savings accounts, money markets, or highly liquid securities with a maturity date of three (3) months or less at the time of purchase which may be withdrawn at any time without prior notice or penalty. Cash equivalents are defined as short-term, highly liquid securities that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Generally, only securities with original maturities of three (3) months or less meet this definition. For the Statements of Cash Flows the Authority includes all cash, cash equivalents and investments.

**Restricted – Cash, Cash Equivalents and Investments**

Restricted cash, cash equivalents and investments are stated at cost, which approximates market. These assets are restricted for the future redemption of bonds payable and future investments are principally held in interest bearing bank accounts or U.S. Government obligations, and are held by independent trustees.

See independent auditor's report



THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
NOTES TO FINANCIAL STATEMENTS  
FOR THE FISCAL YEARS ENDED JANUARY 31, 2019 AND 2018

2. Summary of Significant Accounting Policies

*c. Deposits*

New Jersey statutes permit the deposit of public funds in institutions located in New Jersey, which are insured by the Federal Deposit Insurance Corporation (FDIC) or by any other agencies of the United States that insure deposits or the State of New Jersey Cash Management Fund. New Jersey statutes require public depositories to maintain collateral for deposits of public funds that exceed insurance limits as follows:

- The market value of the collateral must equal 5 percent of the average daily balance of public funds.
- If the public funds deposited exceed 75 percent of the capital funds of the depository, the depository must provide collateral having a market value equal to 100 percent of the amount exceeding 75 percent.
- All collateral must be deposited with the Federal Reserve Bank, the Federal Home Loan Bank Board or a banking institution that is a member of the Federal Reserve System and has capital funds of not less than \$25,000,000.

All bank deposits as of January 31, 2019 and 2018 are entirely insured or collateralized by a collateral pool maintained by public depositories as required by the Governmental Unit Deposit Protection Act. In general, bank deposits are classified as to credit risk by the three categories described below:

Category 1 - Insured or collateralized with securities held by the Authority or by its agent in the Authority's name.

Category 2 - Collateralized with securities held by the pledging public depository's trust department or agent in the Authority's name.

Category 3 - Un-collateralized, including any deposits that are collateralized with securities held by the pledging public depository, or by its trust department or agent but not in the Authority's name.

In accordance with GASB Statement No. 40, Deposit and Investment Risk Disclosures, the Authority has assessed the Custodial Credit Risk, the Concentration of Credit Risk, Credit Risk and Interest Rate Risk of its Cash and Cash Equivalents and Investments.

**Custodial Credit Risk** – The Authority's deposits are exposed to custodial credit risk if they are not covered by depository insurance and the deposits are: uncollateralized, collateralized with securities held by the pledging financial institution's trust department or agent but not in the depository government's name. The deposit risk is that, in the event of the failure of a depository financial institution, the Authority will not be able to recover deposits or will not be able to recover collateral securities that are in the possession of an outside party. The Authority's investment securities are exposed to custodial credit risk if the securities are uninsured, are not registered in the name of the Authority's and are held by either: the counterparty or the counterparty's trust department or agent but not in the Authority's name. The investment risk is that, in the event of the failure of the counterparty to a transaction, the Authority will not be able to recover the value of the investment or collateral securities that are in the possession of an outside party.

At January 31, 2019 and 2018, the Authority's bank balance was not exposed to custodial credit risk since the full amount was covered either by FDIC insurance or GUDPA. The Authority's policy is based on New Jersey Statutes requiring cash be deposited only in New Jersey based banking institutions that participate in NJ GUDPA or in qualified investments established in N.J.S.A. 40A: 5-15.1.

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2. Summary of Significant Accounting Policies (Continued)

*d. Investment*

New Jersey Statutes permit the following investments for local funds:

- Bonds or other obligations of the United States of America or obligations guaranteed by the United States of America.
- Government money market mutual funds.
- Any federal agency or instrumentality obligation authorized by Congress that matures within 397 days from the date of purchase and has a fixed rate of interest not dependent on any index or external factors.
- Bonds or other obligations of the local unit or school districts of which the local unit is a part.
- Any other obligations with maturities not exceeding 397 days, as permitted by the Division of Investments.
- Local government investment pools, such as New Jersey CLASS, and the New Jersey Arbitrage Rebate Management Program.
- New Jersey State Cash Management Fund.
- Repurchase agreements of fully collateralized securities, subject to the following conditions: 1) the underlying securities are permitted investments 2) the custody of the collateral is transferred to a third party 3) the maturity of the agreement is not more than 30 days 4) the underlying securities are purchased through a GUDPA bank and 5) a master repurchase agreement providing for the custody and security of collateral is executed.
- Obligations issued by the State and its agencies.

Any investments not purchased and redeemed directly from the issuer, government money market mutual fund, local government investment pool, or the State of New Jersey Cash Management Fund, must be purchased and redeemed through the use of a GUDPA approved bank or through a securities broker-dealer which is registered with the New Jersey Bureau of Securities.

In general, investments are classified as to credit risk by the three categories described below:

Category 1 - Insured or registered, or securities held by the Authority or by its agent in the Authority's name.

Category 2 - Uninsured and unregistered, with securities held by the counter-party's trust department or agent in the Authority's name.

Category 3 - Uninsured and unregistered, with securities held by the counter-party, or by its trust department or agent but not in the Authority's name.

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2. Summary of Significant Accounting Policies (Continued)

*c. Investment (Continued)*

During the years ended January 31, 2019 and 2018, the Authority invested primarily in bonds or obligations of the United States of America, money market funds, and certificates of deposits due within one year of purchase. The Authority's Renewal and Replacement Fund and Reserve Fund had total investments in United States Treasury bills due 06/15/2019 in the amount of \$35,053,951.66. The fair market value of these investments at 01/31/2019 was \$34,840,234.37, valued using quoted market prices (Level 1 Inputs) and reflected an unrealized loss of \$213,717.29. Management has determined that the unrealized loss is immaterial to the financial statements and the investments are reflected in the financial statements at historical cost.

In accordance with the 2012 Master Lease Agreement in connection with the issuance of the Senior Lease Certificates, the Security Agent Bank will invest solely in investment securities at the written direction of the Authority, provided, however, in the absence of such instructions from the Authority, the Lessor shall in writing direct the Security Agent Bank to invest such monies in investment securities.

In accordance with GASB Statement No. 40, Deposit and Investment Risk Disclosures, the Authority has assessed the Concentration of Credit Risk, Credit Risk and Interest Rate Risk of its Investments.

Concentration of Credit Risk – This is the risk associated with the amount of investments the Authority has with any one issuer that exceed 5 percent of its total investments. Investments issued or explicitly guaranteed by the U.S. government and investments in mutual funds, external investment pool, and other pooled investments are excluded from this requirement. The Authority places no limit on the amount it may invest in any one issuer. As of January 31, 2019, the Authority was not exposed to a concentration of credit risk.

Credit Risk – GASB 40 requires that disclosure be made as to the credit rating of all debt security investments except for obligations of the U.S. government or obligations explicitly guaranteed by the U.S. government. This is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. In general, the Authority does not have an investment policy regarding credit risk except to the extent previously outlined under the Authority's investment policy.

Interest Rate Risk – This is the risk that changes in interest rates will adversely affect the fair value of an investment. The Authority does not have a written policy that limits investment maturities as a means of managing its exposure to fair value losses arising from interest rate fluctuations. However, N.J.S.A. 40A:15-15.1(a) limits the length of time for most investments to 397 days.

*e. Inventory*

Purchase of materials, supplies and chemicals are expensed when purchased. The Authority does not maintain an inventory of these purchases. The balance on hand at January 31, 2019, and January 31, 2018 was determined not to be material.

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2. Summary of Significant Accounting Policies (Continued)

*f. Capital Assets*

*Capitalization Policy*-Capital assets are reported at cost, including all ancillary charges necessary to place the assets in their intended location and condition for use. If land is purchased, the capitalized amount includes the purchase price plus costs such as legal fees, filling, and excavation costs incurred to put the land in condition for its intended use. The capitalized amounts for building include both acquisition and capital improvement costs and net construction period interest.

An asset is deemed substantially complete when the structure or project is ready for the purpose for which it was constructed. The cost to construct, acquire or replace an existing asset (or otherwise prolong the useful life of an existing life of an existing asset) is capitalized under the Authority's capitalization policy. The capitalization threshold is \$5,000 and includes equipment valued over \$5,000 or any purchase related to a capital project whose project value exceeds \$5,000.

*g. Restricted Accounts*

Set forth below are statements which are summaries of certain provisions of the Master Lease Agreement with Municipal Infrastructure Leasing 1 Inc. in connection with the issuance of the Gross Revenue Senior Lien Lease Certificates Series 2012.

All revenues of the Authority are deposited into the Revenue Fund. Payments from the Revenue Fund are made no later than the last business day of the month into the several funds in the following order of preference:

- A) Certificate Fund - the amount sufficient to pay fixed rent for the month and amounts representing unpaid Fixed Rent or portions thereof for prior months and the amount of any additional rent for payment to the Lessor and, if applicable, deposit in accordance with the Agent Agreement.
- B) Reserve Fund – from the remaining balance, if any, the amount required to be deposited to the for such Certificates established under the Agent Agreement, to make the amount on deposit therein equal to the applicable Reserve Fund Requirement.
- C) Operating Fund – from the remaining balance, if any, to the amount, if any, necessary to make the deposit therein equal to the Operating Fund Requirement to pay the Authority's Operating Expenses.
- D) Renewal and Replacement Fund – from the remaining balance, if any, to the Renewal the amount needed to equal one thirty-sixth (1/36) of the amount necessary to make the total deposit in such Fund equal to the Renewal and Replacement Fund Requirement.
- E) Subordinate Debt Fund – from the remaining balance, if any, the amount necessary to pay the amount coming due on the Subordinated Debt, if any, in such month.

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2. Summary of Significant Accounting Policies (Continued)

*h. Restricted Accounts (Continued)*

F) Rent (Rate) Stabilization/General Fund – from the remaining balance, if any, an amount necessary to make the total deposit in such account equal to the Rent Stabilization Requirement and, thereafter, to the General Fund.

At least once in each fiscal year and not later than as will necessary to enable rates to be in full force and effect on the first day of the next ensuing Fiscal Year, the Rate Consultant or Consulting Engineer will file with the Authority, the Security Agent Bank and the Agent a certificate (the “Consultant’s Certificate”) recommending and setting forth in tabular form as to the such Fiscal Year the following:

- a) Annual Debt Service Requirements
- b) Sum of all amounts estimated to be paid into and credited to the Revenue Fund, Reserve Fund and the Renewal and Replacement Fund
- c) Amount to be maintained in the Rent Stabilization Requirement
- d) Amount anticipated to be transferred from the General Fund to the Subordinated Debt Fund
- e) Estimated volume of sewage expected to be disposed of by operation of the System and setting forth the minimum rates and charges for such Fiscal Year necessary and required to be in effect for the whole of such Fiscal Year so as to comply with the above provisions.

*h. Use of Estimates*

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect certain amounts and disclosures. Accordingly, actual results could differ from those estimates.

3. Cash, Cash Equivalents and Investments

The Authority had the following held by the custodial banks at January 31:

	<u>2019</u>	<u>2018</u>
Current Operating Accounts	\$ 23,698,350.23	\$ 18,672,508.60
Rent Stabilization Account	8,500,757.46	8,500,757.46
Rate Stabilization Account	216,774.51	9,161,639.00
Total Unrestricted Accounts	<u>\$ 32,415,882.20</u>	<u>\$ 36,334,905.06</u>
Reserve Account	24,607,355.21	24,401,313.90
Construction/ Lease Project/ Capital Accounts	19,637,386.78	27,167,566.07
2012 A,B,C Interest Account	2,663,899.63	2,480,592.88
2012 A,B,C Principal Account	1,085,880.82	895,234.32
Renewal and Replacement Account	11,000,000.00	11,000,000.00
Wealth Revenue Account	0.00	0.00
Total Restricted Accounts	<u>\$ 58,994,522.44</u>	<u>\$ 65,944,707.17</u>
Total Cash and Investments	<u>\$ 91,410,404.64</u>	<u>\$ 102,279,612.23</u>

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3. Cash, Cash Equivalents and Investments (Continued):

Schedule of Revenues and Expenditures – Trust Funds (Schedule 12) on page 79 show the cash and investments of trust funds that are not included on Schedule A of the financial statements:

	<u>2019</u>	<u>2018</u>
Developer’s Escrow Account	\$ 9,611,057.41	\$ 8,043,764.74
Unemployment Trust Account	107,585.45	83,585.45
Defeased Escrow Account	142,394,137.79	123,471,016.33
	<u>\$ 152,112,780.65</u>	<u>\$ 131,598,366.52</u>

Cash and cash equivalents at January 31, 2019 and 2018 respectively approximated \$243,523,185.29 and \$233,877,978.75. The bank balance at January 31, 2019 was \$243,584,810.05 of the bank balance, \$250,000 was covered by FDIC (Category 1) and \$243,334,810.05 was covered by the state of New Jersey, Governmental Unit Deposit Protection Act (Category 3).

	<u>2019</u>	<u>2018</u>
<u>Unrestricted</u>		
Unrestricted cash/cash equivalents	\$ 32,415,882.20	\$ 36,334,905.06
<u>Restricted</u>		
Restricted – cash/investments	<u>58,994,522.44</u>	<u>65,944,707.17</u>
Total	<u>\$ 91,410,404.64</u>	<u>\$102,279,612.23</u>

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**4. Property, Plant and Equipment**

Property, plant and equipment is stated at cost which includes the cost of construction and acquisition of such projects, engineering, administrative and financial expenses, interest on bonds during construction, and organization expenses, less income earned on unexpected construction funds.

On September 13, 1989, the Authority took title to certain existing sewerage assets via negotiated purchase from the City of Hoboken, City of Union City and the Township of Weehawken. The cost of the property was allocated to buildings, improvements, machinery and equipment. On October 15, 1996 the Authority acquired all the existing wastewater conveyance and treatment facilities of the Town of West New York.

Estimated useful lives, in years, for depreciable assets are as follows:

Beginning February 1, 1991, the Authority has depreciated the assets currently in service using the straight-line method of depreciation with a capitalization threshold of \$5,000.

Building and grounds	5-75
Improvements	2-75
Mobile equipment	3-30
Furniture, fixtures, and equipment	3-30

	<u>Balance</u> <u>January 31, 2018</u>	<u>Additions</u>	<u>Adjustment/ Disposals</u>	<u>Balance</u> <u>January 31, 2019</u>
Land	\$ 58,534,862.59			\$ 58,534,862.59
Easement	950,000.00			950,000.00
Plants	215,527,521.47	2,409,977.42		217,937,498.89
Main Lines	119,184,896.73	10,629,661.16		129,814,557.89
Pump Stations	35,706,959.86	4,109,175.85		39,816,135.71
Office Equipment	207,161.89			207,161.89
Trucks & Vehicles	1,306,314.14			1,306,314.14
Work In Progress	17,148,814.43	15,845,024.82	17,148,814.43	15,845,024.82
	<u>448,566,531.11</u>	<u>32,993,839.25</u>	<u>17,148,814.43</u>	<u>464,411,555.93</u>
Less: Accumulated Depreciation	(87,458,934.92)	(6,573,105.88)		(94,032,040.80)
Net Property, Plant & Equipment	<u>\$ 361,107,596.19</u>	<u>\$ 26,420,733.37</u>	<u>\$ 17,148,814.43</u>	<u>\$ 370,379,515.13</u>

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**4. Property, Plant and Equipment (Continued)**

Construction Commitments

The Authority had the following commitments with respect to unfinished capital projects.

	<u>January 31, 2019</u>	<u>January 31, 2018</u>
Construction Payable	\$ 1,618,011.89	\$ 1,595,297.20

**5. Current Debt**

Short-term, temporary debt outstanding as of January 31, 2019 consisted of a four Construction Loans issued by the New Jersey Environmental Infrastructure Trust in the total amount of \$40,202,367 for W1234 Solids/Floatables (CSO), Adams Street Wastewater Treatment Plant Preliminary Facilities Building Hydro-gritter System Replacement, PURAC Phase III, and Combined Sewer Long Term Control Plan. The construction loans are expected to be permanently financed in fiscal year 2020 with New Jersey Environmental Infrastructure- Trust and Loan.

**6. Long-Term Debt**

Bonds/Gross Revenue Senior Lien Lease Certificates - The Authority borrows money in order to acquire land, equipment, construct buildings and improvements, or refinance outstanding debt. This enables the cost of these capital assets to be borne by the present and future ratepayers receiving the benefit of the capital assets. The provision to be made in future budgets for capital indebtedness represents the amount exclusive of interest, authorized to be collected in future years from taxpayers and others for liquidation for the long-term liabilities.

	<u>Balance</u>		<u>Balance</u>		<u>Current Portion</u>
	<u>January 31, 2018</u>	<u>Additions</u>	<u>Reductions</u>	<u>January 31, 2019</u>	<u>of Long-term Debt</u>
Gross Revenue Senior Lease Certificates Payable	\$ 325,490,000.00		\$ 23,510,000.00	\$ 301,980,000.00	\$ 5,250,000.00
New Jersey Environmental Infrastructure- Trust & Fund Loans	\$ 56,900,305.60	1,191,089.00	8,038,479.59	50,052,915.01	\$ 5,857,280.36
Unamortized Premium on Bonds	\$ 11,331,645.69		430,315.66	10,901,330.03	
Unamortized Loss on Defeasance-Refinance	\$ (41,970,550.28)	\$ (1,675,668.75)	\$ (7,821,740.10)	(35,824,478.93)	
Gain on NJEIT Loan Refundings	299,727.27	1,186,690.55	147,214.51	1,339,203.31	
Total	\$ 352,051,128.28	\$ 702,110.80	\$ 24,304,269.66	\$ 328,448,969.42	\$ 11,107,280.36

New Jersey Environmental Infrastructure Loans of \$1,186,690.55 were refunded during FY 2019, causing a gain on refunding in the amount of \$1,186,690.55. Lease Certificates of \$18,825,000 were defeased during FY 2019, causing a loss on defeasance of \$ 1,675,668.75.

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**6. Long-Term Debt (Continued)**

Gross Revenue Senior Lien Lease Certificates Payable - the following is a summary of bonds payable at January 31, 2019.

	\$ 132,055,000
<p><b>\$163,410,000</b> – 2012A Tax Exempt Gross Revenue Senior Lien Lease Certificates for various purposes due in annual installments on June 01, of: \$3,250,000 in 2019, \$3,760,000 in 2020, \$3,955,000 in 2021, \$3,805,000 in 2022, \$1,780,000 in 2023, \$2,375,000 in 2024, \$2,625,000 in 2025, \$2,930,000 in 2026, \$43,295,000 in 2027, \$3,225,000 in 2028, \$3,335,000 in 2029, \$3,865,000 in 2030, \$ 4,285,000 in 2031, \$ 6,195,000 in 2032, \$6,605,000 in 2033, \$6,940,000 in 2034, \$7,290,000 in 2035, \$7,665,000 in 2036, \$8,055,000 in 2037, \$8,460,000 in 2038, \$8,890,000 in 2039, \$9,345,000 in 2040, \$9,815,000 in 2041, and \$10,310,000 in 2042, interest at rate varying from 4.00% to 5.00%</p>	
<p><b>\$150,555,000</b> – 2012B Taxable Gross Revenue Senior Lien Lease Certificates for various purposes due in annual installments on June 01, of: \$100,000 in 2020, \$540,000 in 2021, \$1,045,000 in 2022, \$3,795,000 in 2023, \$4,005,000 in 2024, \$4,220,000 in 2025, \$4,450,000 in 2026, \$4,695,000 in 2027, \$4,950,000 in 2028, \$5,220,000 in 2029, \$5,500,000 in 2030, \$5,800,000 in 2031, \$6,115,000 in 2032, \$6,455,000 in 2033, \$6,815,000 in 2034, \$7,200,000 in 2035, \$7,600,000 in 2036, \$8,025,000 in 2037, \$8,475,000 in 2038, \$8,950,000 in 2039, \$9,450,000 in 2040, \$9,980,000 in 2041, and \$10,540,000 in 2042, interest at a rate varying from 2.89% to 5.396%</p>	\$ 133,925,000
<p><b>\$40,000,000</b> – 2012C Taxable Gross Revenue Senior Lien Lease Certificates used for various purposes due in annual installments on June 01 of: \$ 2,000,000 in 2019, \$14,000,000 in 2043, and \$20,000,000 in 2044, at variable interest rates</p>	<u>\$36,000,000</u>
	<u>\$ 301,980,000</u>

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**6. Long-Term Debt (Continued)**

The annual requirement to amortize the long term debt outstanding as of January 31, 2019 is as follows:

<u>Fiscal Year</u>	<u>Principal</u>	<u>Interest</u>
2020	11,991,900.57	15,748,557.77
2021	10,672,111.72	15,443,432.28
2022	10,853,697.73	15,114,707.58
2023	10,778,152.27	14,771,201.55
2024	9,468,754.84	14,419,958.26
2025-2029	51,775,582.72	66,068,806.73
2030-2034	57,165,484.27	54,281,259.49
2035-2039	77,611,875.89	37,214,429.42
2040-2044	91,500,183.50	14,557,419.58
2045-2049	20,215,171.50	275,607.65
	\$ 352,032,915.01	\$ 247,895,380.31

Total Senior Lease Certificates Payable	\$ 301,980,000.00
New Jersey Environmental Infrastructure Trust and Fund Loan (Schedule 9)	50,052,915.01
Total Bonds & Loans Payable before Unamortized Premiums & Defeasance	352,032,915.01
Unamortized Premium on Bonds (Schedule 10)	10,901,330.03
Unamortized Gains on Refunding (Schedule 10)	1,339,203.31
Less:	
Deferred Bond Defeasance Costs (Schedule 10)	(35,824,478.93)
	\$ 328,448,969.42

Analysis

Current Portion	\$ 11,107,280.36
Long Term Portion	317,341,689.06
	\$ 328,448,969.42

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**6. Long-Term Debt (Continued)**

GASB 23 states that an "in-substance defeasance" costs must be deferred and amortized over the remaining life of the old or new debt, whichever is shorter.

On May 24, 2012 the Authority issued Gross Revenue Senior Lien Lease Certificates dated May 24, 2012. The proceeds of the Certificates were used to defease and redeem all of its then outstanding senior lien debt (Bonds) in the amount of \$205,826,733; and to refund its then outstanding project note in the amount of \$37,750,000; and settle all claims arising from the Structured Financing Transaction in an estimated amount of \$12,000,000. The aforementioned retirement resulted in a loss on defeasance of \$81,484,818.14. On August 12, 2016 the Authority defeased \$8,795,000 of its 2012 A Tax Exempt Gross Revenue Lien Certificates and \$13,995,000 of its 2012B Taxable Gross Revenue Senior Lien Lease Certificates using funds in the General Fund. The aforementioned retirement resulted in a loss on defeasance of \$3,031,439.05. On August 10, 2018 the Authority defeased \$18,825,000 of its 2012 A Tax Exempt Gross Revenue Lien Certificates using funds in the General Fund. The aforementioned retirement resulted in a loss on defeasance of \$ 1,675,668.75. Reference to Schedule 10 will show the amortization for fiscal year ended 2019 and 2018 was \$7,821,740.10 and \$7,786,830.33 leaving a remaining balance of \$ 35,824,478.93.

**7. Amortization of Deferred Outflows of Resources**

Cost of Issuance / Debt Discount/ Premium

**Gross Senior Lien Lease Certificates (Series 2012 A, B, C)** - cost of issuance was \$7,186,226.22. This amount was fully expensed as per implementation of GASB 65. The Series 2012 Lien Certificates were also issued at a premium of \$13,770,101.10. There was a loss on defeasance of the Authority's bonds of \$81,484,818.14 on May 24, 2012 and \$3,031,439.05 on August 12, 2016. During fiscal year 2018 and 2019 respectively, there was a gain that resulted from the refunding of various New Jersey Infrastructure loans in the amount of \$314,000 and \$1,186,690.55. The total deferred costs net of the premium totaled \$70,921,134.29. Amortization for the fiscal year ended January 31, 2019 and 2018 was \$7,244,209.93 and \$7,342,241.94, leaving a remaining balance of \$23,583,945.59.

**6. Contingencies**

***Litigation***

The Authority is party to various legal proceedings which normally occur in governmental operations and the Authority's attorney has reported in accordance with Financial Accounting Standards No.5 the following: there exists no pending or threatened litigation involving the Authority not otherwise covered by insurance or indemnification agreements that is material, except:

- A. Complaints filed by redevelopers of property in the Township of Weehawken seeking return of approximately three million dollars of connection fees paid, alleging that credits should have given for prior sewer user fees and other charges paid on account of demolished structures. (The Authority is vigorously defending this claim).

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**7. Grant Revenues**

In 2011 the Authority was awarded a solar panel grant from the State of New Jersey through the New Jersey Clean Energy Program in the cumulative amount of \$753,283. The amount received and expended during the fiscal year ended January 31, 2019 was \$33,284.

In October of 2012, the Authority incurred expenditures for emergency repairs as a result of hurricane Sandy. The Authority is currently working with the Department of Homeland Security Disaster Grants-Public Assistance to obtain funding to complete the emergency repairs. During the fiscal year ended January 31, 2019 the Authority had incurred expenses of in the amount of \$441,810.54 and has a receivable balance from FEMA of \$ 1,361,390.73. The total cost of these repairs is expected to be approximately \$13,328,392.86. Insurance proceeds received in 2014 were \$5,000,000 and requests for FEMA monies will be approximately \$8,328,392.86, which resulted in an increase of the grant revenue of \$180,000 in fiscal year 2019.

**8. Allowance for Doubtful Accounts**

Management reviews user charges receivables periodically, to determine if the allowance for doubtful accounts needs to be adjusted. The balance of the user charges receivable was \$6,940,105.21 and \$6,005,936.92 for fiscal year ending January 31, 2019 and 2018, respectively. Interest and penalties receivable was \$1,079,845.72 and \$1,105,287.05 for the fiscal year ending January 31, 2019 and 2018 respectively. The reserve for doubtful accounts at January 31, 2019, and 2018 was \$2,400,000.

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9. Net Position

Net position represents the difference between the Authority's assets and liabilities. Net position is categorized into three components:

Invested in capital asset, net of related debt - This component of net assets consists of capital assets consists of capital assets, net of accumulated depreciation and amortization and reduced by the outstanding balances of any bonds, notes or other borrowings.

Restricted - Net position is reported as restricted when constraints are placed on the use of the net assets by either creditors, grantors, contributors, or laws or regulations of other governments; or imposed by law through constitutional provisions or enabling legislation.

Unrestricted - Net position that does not meet the definition of invested in capital assets, net of related debt or restricted.

	<u>January 31, 2019</u>	<u>January 31, 2018</u>
<b>Invested in Capital Asset, net of related debt</b>		
Net Property, Plant and Equipment	\$ 370,379,515.13	\$ 361,107,596.19
Senior Lien Certificates/ Sewer Refunding Bonds/ Notes Payable (Schedule 9)	(301,980,000.00)	(325,490,000.00)
NJ Environmental Infrastructure Loan Payable	(90,255,282.01)	(74,979,543.59)
Unspent Proceeds (Construction Funds/ 2012 Lease Proceeds Account)	19,637,386.78	27,167,566.07
NJ Environmental Infrastructure Loan Receivable	28,647,129.00	20,860,645.00
Bond Defeasance, Discounts, Premiums, Net	23,583,945.59	30,339,177.32
	<u>50,012,694.49</u>	<u>39,005,440.99</u>
<b>Restricted - Other</b>		
Renewal and Replacement	11,000,000.00	11,000,000.00
Operating Reserve/ Debt Service Reserve Required	24,032,141.80	24,032,141.80
	<u>35,032,141.80</u>	<u>35,032,141.80</u>
Unrestricted	<u>36,341,131.96</u>	<u>38,965,154.81</u>
<b>TOTAL NET POSITION</b>	<u>\$ 121,385,968.25</u>	<u>\$ 113,002,737.60</u>

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**10. Master Lease Agreement Cash Flow Requirements:**

**The specific master lease requirements are as follows:**

Section 3.17 Rates and Charges. (a) With respect to the use of the System, the Lessee will, make, impose, charge and collect Gross Revenues and other charges in accordance with the terms of the Sewerage Authorities Law, other applicable laws of the State of New Jersey, and as provided for in paragraph (b) below.

(b) Such Gross Revenues and other charges for or with respect to the use of the System shall be so estimated, computed, made, charged, imposed, collected and revised from time to time so that the Gross Revenues and other charges which are collected by the Lessee and paid to the Security Agent bank pursuant to the terms of the Lease for each Fiscal Year (less any amounts transferred from the Revenue Fund to the Rent Stabilization Account in such Fiscal Year) will be at least sufficient to provide an amount which is equal to the sum of: (1) 115% of the Annual Debt Service Requirement; (2) 100% of the annual debt service requirements on any Subordinated Debt for such Fiscal Year (giving effect to moneys which are on deposit, or which are anticipated to be on deposit, in the Subordinated Debt Service Fund at the beginning of such Fiscal Year); (3) 100% of the amount necessary to pay Operating Expenses of the Lessee in each Fiscal Year (giving effect to moneys which are on deposit, or which are anticipated to be on deposit, in the Operating Fund at the beginning of such Fiscal Year); (4) the amounts necessary to provide in each Fiscal Year the respective amount, if any, which is needed so that the amount which is on deposit in the (i) Renewal and Replacement Fund will equal the Renewal and Replacement Fund Requirement; (ii) Reserve Fund will equal the Reserve Fund Requirement, and (iii) Rent Stabilization Account will equal the Rent Stabilization Requirement; (5) to provide for the payment of all other charge or liens which are related to the System whatsoever which are payable by the Lessee out of such rents, fees and charges during such Fiscal Year; and (6) to provide in such Fiscal Year for payment of any additional amounts which are necessary to comply with the provisions of the Agent Agreement and the Lease and all other statutory and legal obligations of the Lessee. In addition to the requirement of the preceding sentence, such Gross Revenues and other charges which are collected by the Lessee and paid to the Security Agent Bank for each Fiscal Year (less any amounts transferred from the Revenue Fund to the Rent Stabilization Account in such Fiscal Year) will be at least sufficient to provide an amount which is equal to the sum of: (1) 110% of the sum of (a) the Annual Debt Service Requirement for each Fiscal Year and (b) the annual debt service requirements on any Subordinated Debt for such Fiscal Year (giving effect to moneys which are on deposit, or which are anticipated to be on deposit, in the Subordinated Debt Service Fund at the beginning of such Fiscal Year); (2) 100% of the amount necessary to pay Operating Expenses of the Lessee in each Fiscal Year (giving effect to moneys which are on deposit, or which are anticipated to be on deposit, in the Subordinated debt Service Fund at the beginning of such Fiscal Year); (3) the amounts necessary to provide in each Fiscal Year the respective amount, if any, which is needed so that the amount which is on deposit in the (i) Renewal and Replacement Fund will equal the Renewal and Replacement Fund requirement; (ii) Reserve Fund will equal the Reserve Fund requirement, (iii) Rent Stabilization Account will equal the Rent Stabilization Requirement; (4) to provide for the payment of all other charges or liens which are related to the System whatsoever which are payable by the Lessee out of such rents; fees and charges during such Fiscal Year; and (5) to provide in such Fiscal Year for payment of any additional amounts which are necessary to comply with the provisions of the Agent Agreement and the Lease and all other statutory and legal obligations of the Lessee. Copies of every schedule of rates, charges, and revisions thereof prescribed or adopted by the Lessee will be filed promptly with the Rate Consultant and the Lessor. Notwithstanding the provisions of this Section, the Authority shall not be required to charge Revenues and other charges if, and in the opinion of the Consulting Engineer, such rents, fees and other charges would result in a decrease in Gross Revenues of the Authority and in determining compliance.

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**10. Master Lease Cash Flow Compliance (Continued)**

Test for resolution compliance is based on a cash basis statement of revenue and expenses as compared to the debt service requirements, which includes principal and interest payments on Lease certificates and NJ Infrastructure Loans on the cash basis. Gross revenues include user fees, facility charges, and connection fees.

	<u>January 31, 2019</u>	<u>January 31, 2018</u>
Revenues		
Sewer Fees/Facility Charges	\$ 50,239,501.46	\$ 52,321,099.29
Penalties	883,912.38	1,360,283.90
Interest on Investments	845,606.96	468,243.60
Connection Fees	5,595,620.42	7,034,161.20
Solar Renewal Energy Credits	33,284.00	29,455.00
Misc. Income	<u>49,012.56</u>	<u>20,386.90</u>
Total Revenues (Cash Basis)	\$ 57,646,937.78	\$ 61,233,629.89
Senior Lien Obligations		
Fixed Rent Payments	<u>19,605,355.48</u> *	<u>19,600,304.43</u>
Net Senior Debt Service	<u>19,605,355.48</u>	<u>19,600,304.43</u>
Net Cash After Senior Debt Service	38,041,582.30	41,633,325.46
Operating Expenses (Cash Basis)	20,711,786.86	18,977,835.83
Junior Lien Obligations		
Junior Lien Debt Service	7,642,075.89	7,520,288.24
Net Junior Lien Obligation	7,642,075.89	7,520,288.24
Net Surplus Available to pay for Construction, Defeasance of Debt & Other Reserves	<u>\$ 9,687,719.55</u>	<u>\$ 15,135,201.39</u>
Senior Lien Coverage (Total Revenues/ Net Senior Debt Service)	2.94	3.12
Total Debt Service Coverage (Total Revenues/ Total Debt Service)	2.12	2.26
Senior Lien Coverage Net (Revenues less Operating Expenses/ Net Senior Lien Debt Service )	1.88	2.16
Total Debt Service Coverage (Revenues less Operating Expenses/ Total Debt Service)	1.36	1.56

\* Senior lease obligation payments include an additional \$2,000,000 unscheduled payment to reduce outstanding variable rate debt, which was not a required payment.

Upon issuance of the 2012 Certificates, proceeds were deposited into the Reserve Fund in satisfaction the the "Reserve Fund Requirement." The "Reserve Fund Requirement" shall mean as of any date of computation, an amount equal to the greatest amount required in the then current year or any future calculation year, to pay the sum of principal (including sinking fund requirements) and interest on the Certificates payable with certain other restrictions and requirements outlined in the master lease agreement. The initial deposit in the "Reserve Fund" was \$24,032,141.80.

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**11. Sewer Charge Due Dates**

Sewer Charge due dates are February 1st, May 1st, August 1st, and November 1st.

**12. Retirement Plans**

*Description of Plans*

Employees who are eligible for a pension plan are enrolled in the State administered plan, the Public Employees' Retirement System (PERS) or the Defined Contribution Retirement Program (DCRP). The Public Employees' Retirement System (PERS) was established in January, 1955 under the provisions of N.J.S.A. 43:15A to provide retirement, death, disability and medical benefits to certain qualified members. The Public Employees' Retirement System is a cost-sharing multiple-employer plan. Membership is mandatory for substantially all full time employees of the State or any county, municipality, school district or public agency provided the employee is not required to be a member of another State-administered retirement system or other state or local jurisdiction. According to the State of New Jersey Administrative Code, all obligations of the system will be assumed by the State of New Jersey should the system terminate. The Division issues a publicly available financial report that includes the financial statements and required supplementary information for PERS. This report may be obtained by writing to the Division of Pensions and Benefits, P.O. Box 295, Trenton, NJ 08625 or can be found at [www.state.nj.us/treasury/pensions/annrpts.shtml](http://www.state.nj.us/treasury/pensions/annrpts.shtml).

The Division annually charges participating governmental units for their respective contributions to the PERS based upon actuarial methods. Contributions to the DCRP are charged at a rate of 3% of the respective member's base salary. Employees are required to contribute to the PERS and DCRP at a rate of 5.5% of their base salary. The Authority share of pension costs charged to the 2018-19 and 2017-18 budget amounted to \$197,954.24 and \$204,787.30, respectively. Employees are also covered by the Federal Insurance Contribution Act, (Social Security).

*Summary of Significant Accounting Policies -PERS*

GASB 68, *Accounting and Financial Reporting for Pensions*, is effective beginning with the year ending June 30, 2015. The objective of this Statement is to improve accounting and financial reporting by state and local governments for pensions. It also improves information provided by state and local governmental employers about financial support for pensions that is provided by other entities. This Statement replaces the requirements of Statement No. 27, *Accounting for Pensions by State and Local Governmental Employers*, as well as the requirements of Statement No. 50, *Pension Disclosures*, as they relate to pensions that are provided through pension plans administered as trusts or equivalent arrangements that meet certain criteria.

Amendments to and further clarification of GASB 68, include GASB 71, *Pension Transition for Contributions Made Subsequent to the Measurement Date*, GASB 73, *Accounting and Financial Reporting for Pensions and Related Assets That Are Not Within the Scope of GASB Statement 68 and Amendments to Certain Provisions of GASB 67 and 68.*, and GASB 78, *Pensions Provided Through Certain Multiple-Employer Defined Benefit Pension Plans* and GASB Statement No. 82, *Pension Issues and amendment of GASB Statements No. 67, No. 68, and No. 73* which addresses issues regarding (1) the presentation of payroll related measures in required supplementary information, (2) the selection of assumptions and the treatment of deviations from the guidance in an Actuarial Standard of Practice for financial reporting purposes, and (3) the classification of payments made by employers to satisfy employee (plan member) contribution requirements.

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**12. Retirement Plans (Continued):**

*Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions- PERS*

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

At January 31, 2019 and 2018, the Authority reported a liability of \$1,383,404 and \$1,493,734, respectively, for its proportionate share of the net pension liability. The total pension liability in the June 30, 2018 measurement date was determined by an actuarial valuation as of July 1, 2017, which was rolled forward to June 30, 2018. The Authority's proportion of the net pension liability is 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. At June 30, 2018 and 2017, the District's proportion was .0070261% and 0.0064168%, which was an increase of .0006093% from its proportion measured as of June 30, 2017.

*For the fiscal year ended January 31, 2019, the Authority recognized pension expense of \$196,132. At January 31, 2019 and 2018, the Authority reported deferred outflows of resources and deferred inflows of resources related to PERS from the following sources:*

	January 31, 2019		January 31, 2018	
	<u>Deferred</u> <u>Outflows of</u> <u>Resources</u>	<u>Deferred</u> <u>Inflow of</u> <u>Resources</u>	<u>Deferred</u> <u>Outflows of</u> <u>Resources</u>	<u>Deferred</u> <u>Inflow of</u> <u>Resources</u>
Difference between expected and actual experience	\$ 26,382	\$ 7,133	\$ 35,172	
Changes of assumptions	227,962	442,339	300,936	299,833
Net difference projected and actual earnings on pension plan investments		12,976	10,171	
Changes in proportion and differences between Authority and proportionate share of contributions	290,792	802	273,369	1,354
Authority contributions subsequent to the measurement date				
<b>Total</b>	<u>\$ 545,136</u>	<u>\$ 463,250</u>	<u>\$ 619,648</u>	<u>\$ 301,187</u>

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**12. Retirement Plans (Continued):**

*Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions- PERS*

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

	Year Ended June 30:
2019	\$ 9,602
2020	(13,293)
2021	(95,325)
2022	(82,629)
2023	(26,459)
Total	\$ (208,105)

	6/30/2018	6/30/2017
Collective deferred outflows of resources	\$ 3,619,985,444	\$ 5,396,431,901
Collective deferred inflows of resources	6,581,869,368	4,672,602,040
Collective net pension liability (Non-State-Local Group)	19,689,501,539	23,278,401,588
Authority's portion of net pension liability	1,383,404	1,493,734
Authority's proportion %	0.0070261005%	0.0064168217%

*Actuarial assumptions.* The total pension liability for the June 30, 2018 measurement date was determined by an actuarial valuation as of July 1, 2017, which was rolled forward to June 30, 2018. The actuarial valuation used the following actuarial assumptions:

Inflation:	2.25%
Salary Increases:	
Through 2026	1.65% – 4.15% based on age
Thereafter	2.65% – 5.15% based on age
Investment Rate of Return:	7.00%

Pre-retirement mortality rates were based on the RP-2000 Employee Preretirement Mortality Table for male and female active participants. For local employees, mortality tables are set back 2 years for males and 7 years for females. In addition, the tables provide for future improvements in mortality from the base year of 2013 using a generational approach based on the Conduent modified 2014 projection scale. Postretirement mortality rates were based on the RP-2000 Combined Healthy Male and Female Mortality Tables (set back 1 year for males and females) for service retirements and beneficiaries of former members. In addition, the tables for service retirements and beneficiaries of former members provide for future improvements in mortality from 2012 to 2013 using Projection Scale AA and using a generational approach based on Conduent 2014 projection scale thereafter. Disability retirement rates used to value disabled retirees were based on the RP-2000 Disability Mortality Table (set back 3 years for males and set forward 1 year for females).

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**12. Retirement Plans (Continued):**

The actuarial assumptions used in the July 1, 2017 valuation were based on the results of an actuarial experience study for the period July 1, 2011 to June 30, 2014. It is likely that future experience will not conform to these assumptions. To the extent the actual experience deviates from these assumptions, the emerging liabilities may be higher or lower than anticipated. The more the experience deviates, the larger the impact on future financial statements.

*Long-Term Expected Rate of Return* - In accordance with State statute, the long-term expected rate of return on plan investments (7.00 % at June 30, 2018) 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. Best estimates of arithmetic real rates of return for each major asset class included in PERS's target asset allocation as of June 30, 2018 are summarized in the following table:

Asset Class	Target Allocations	Long-Term Expected Real Rate of Return
Risk Mitigation Strategies	5.00%	5.51%
Cash equivalents	5.50%	1.00%
U.S. treasuries	3.00%	1.87%
Investment grade credit	10.00%	3.78%
High yield	2.50%	6.82%
Global diversified credit	5.00%	7.10%
Credit oriented hedge funds	1.00%	6.60%
Debt related private equity	2.00%	10.63%
Debt related real estate	1.00%	6.61%
Private real estate	2.50%	11.83%
Equity related real estate	6.25%	9.23%
U.S. equity	30.00%	8.19%
Non- U.S. developed markets equity	11.50%	9.00%
Emerging markets equity	6.50%	11.64%
Buy-outs/venture capital	8.25%	13.08%

*Discount rate.* 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 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% of the actuarially determined contributions and the local employers contributed 100% of their actuarially determined contributions. Based on those assumptions, the plan's fiduciary net position was projected to be available to make projected future benefit payments of current plan members through June 30, 2046. The long-term expected rate of return on plan investments was applied to projected 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.

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**12. Retirement Plans (Continued):**

*Sensitivity of the District's proportionate share of the net pension liability to changes in the discount rate.*  
The following presents the Borough's proportionate share of the net pension liability measured as of June 30, 2018 and 2017, calculated using the discount rate of 5.66% and 5.00% respectively, as well as what the Borough's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

	<u>(4.66%)</u>	June 30, 2018 <u>(5.66%)</u>	<u>(6.66%)</u>
Authority's proportionate share of the net pension liability	\$ 1,739,471	\$ 1,383,404	\$ 1,084,686
	<u>1% Decrease</u> <u>(4.00%)</u>	30-Jun-17 <u>Rate</u> <u>(5.00%)</u>	<u>1% Increase</u> <u>(6.00%)</u>
Authority's proportionate share of the net pension liability	\$ 1,853,078	\$ 1,493,734	\$ 1,194,356

*Pension plan fiduciary net position.* Detailed information about the pension plan's fiduciary net position is available in the separately issued State of New Jersey Divisions of Pensions and Benefits financial report at <http://www.state.nj.us/treasury/pensions/financial-reports.shtml>.

PERS Vesting and Benefit Provisions - The vesting and benefit provisions for PERS are set by N.J.S.A. 43:15A and 43.3B. All benefits vest after ten years of service, except for medical benefits that vest after 25 years of service or under disability provisions of PERS. Service retirement benefits of 1/55<sup>th</sup> of final average salary for each year of service credit is available to tiers 1 and 2 members upon reaching age 60 and to tier 3 members upon reaching age 62. Service retirement benefits of 1/60<sup>th</sup> of final average salary for each year of service credit is available to tier 4 members upon reaching age 62 and tier 5 members upon reaching age 65. Early retirement benefits are available to tiers 1 and 2 members before reaching age 60, tiers 3 and 4 with 25 years or more of service credit before age 62, and tier 5 with 30 years or more of service credit before age 65. Benefits are reduced by a fraction of a percent for each month that a member retires prior to the age at which a member can receive full early retirement benefits in accordance to their respective tier. Tier 1 members can receive an unreduced benefit from age 55 to age 60 if they have at least 25 years of service. Deferred retirement is available to members who have at least 10 years of service credit and have not reached the service retirement age for the respective tier. Members are always fully vested for their own contributions and, after three years of service credit, become vested for 2% of related interest earned on the contributions. In the case of death before retirement, members' beneficiaries are entitled to full interest credited to the members' accounts.

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**12. Retirement Plans (Continued):**

*Notes to required supplementary information: Pension Schedule 11 PERS:*

*Changes of benefit terms.* The vesting and benefit provisions are set by N.J.S.A. 43:15A. PERS provides retirement, death and disability benefits. All benefits vest after ten years of service, except for medical benefits, which vest after 25 years of service or under the disability provisions of PERS.

*Changes of assumptions.* Pre-retirement mortality rates were based on the RP-2000 Employee Preretirement Mortality Table for male and female active participants. For local employees, mortality tables are set back 2 years for males and 7 years for females. In addition, the tables provide for future improvements in mortality from the base year of 2013 using a generational approach based on the Conduent modified 2014 projection scale. Postretirement mortality rates were based on the RP-2000 Combined Healthy Male and Female Mortality Tables (set back 1 year for males and females) for service retirements and beneficiaries of former members. In addition, the tables for service retirements and beneficiaries of former members provide for future improvements in mortality from 2012 to 2013 using Projection Scale AA and using a generational approach based on Conduent 2014 projection scale thereafter. Disability retirement rates used to value disabled retirees were based on the RP-2000 Disability Mortality Table (set back 3 years for males and set forward 1 year for females).

*Defined Contribution Retirement Program*

The Defined Contribution Retirement Program (DCRP) was established on July 1, 2007 under provisions of Chapter 92, P.L. 2007 and Chapter 103, P.L. 2007 and was expanded under the provisions of Chapter 89, P.L. 2008 and Chapter 1, P.L. 2010. The program provides eligible members with a tax-sheltered, defined contribution retirement benefit, along with life insurance and disability coverage. The Defined Contribution Retirement Program Board oversees the DCRP, which is administered for the Division of Pensions and Benefits by Prudential Financial.

Under DCRP, the value of the pension is based on the amount of the contributions made by the employees and employer and through investment earnings. The employee, through options provided under the plan, directs investment of contributions. The employee contribution to DCRP is 5.5% of defined salary and the employer contributes 3%. The employer also makes contribution for eligible members' life insurance and disability coverage under DCRP. The Authority's contributions to DCRP were \$1,861.30 and \$1,854.75 in fiscal year 2019 and 2018, respectively.

*Deferred Compensation Plan*

The Authority maintains a Deferred Compensation Plan in accordance with Internal Revenue Code Section 457.

Any employee of the Authority is eligible to participate in the Plan. Participation in the Plan is entirely voluntary on the part of each employee. The Authority does not and is not required to make contributions to the Plan. Great West Life & Annuity are the Administrators of the Plan.

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**13. Other Post Retirement Benefits**

The Authority contributes to the State Health Benefits Program (SHBP), a cost-sharing, multiple-employer defined benefit post-employment healthcare plan administered by the State of New Jersey Division of Pensions and Benefits. SHBP was established in 1961 under N.J.S.A. 52:14-17.25 et seq., to provide health benefits to State employees, retirees, and their dependents. Rules governing the operation and administration of the program are found in Title 17, Chapter 9 of the New Jersey Administrative Code. SHBP provides medical, prescription drugs, mental health/substance abuse, and Medicare Part B reimbursement to retirees and their covered dependents.

The SHBP was extended to employees, retirees, and dependents of participating local public employers in 1964. Local employers must adopt a resolution to participate in the SHBP. On April 19, 2007, NHSA authorized participation in the SHBP's post-retirement benefit program through resolution number 07-045. Pursuant to N.J.S.A. 40A:10-23, the Authority shall pay the entire cost of health care insurance coverage for its retired employees and their eligible dependents under the following circumstances: 1. Retirement on a disability pension; 2. Retirement after 25 years or more of service credits in a State or locally administered retirement system and 5 years or more of service with the Authority at the time of retirement; 3. Retirement at age 62 years or older with at least 15 years of service with the Authority.

The State of New Jersey sponsors and administers the following post-retirement health benefit program covering substantially all eligible local government employees from local participating employers.

**State Health Benefit Program Fund- Local Government Retired (the Plan) (including Prescription Drug Program Fund)** - N.J.S.A. 43 :3c-24 established a separate trust fund for certain non-State participating employers to provide funding for State Health Benefit Program coverage to its eligible retirees. Under the provisions of Chapter 330, P.L. 1997, the State of New Jersey provides partially funded benefits to local police officers and firefighters who retire with 25 years of service (or on disability) from an employer who does not provide coverage. Retirees who are not eligible for employer paid health coverage at retirement can continue in the program by paying the cost of the insurance for themselves and their covered dependents. For additional information about the Plan, please refer to the State Division of Pensions and Benefits (Division's) Comprehensive Annual Financial Report (CAFR) which can be found at [www.state.nj.us/treasury/pensions](http://www.state.nj.us/treasury/pensions).

The Plan provides medical and prescription drug 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 postretirement medical coverage to their employees must file a resolution with the Division. 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 postretirement medical coverage for employees and their dependents who: 1) retired on a disability pension; or 2) retires 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 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) retires 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 negotiation agreement.

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**13. Other Post Retirement Benefits**

In accordance with Chapter 330, P.L. 1997, which is codified in N.J.S.A. 52: 14-17.32i, the State provides medical and prescription coverage to local police officers and firefighters, who retire with 25 years of service or on a disability from an employer who does not provide postretirement medical coverage. Local employers were required to file a resolution with the Division in order for their employees to qualify for State-paid retiree health benefits coverage under Chapter 330. The State also provides funding for retiree health benefits to survivors of local police officers and firefighters who die in the line of duty under Chapter 271, P.L. 1989.

Pursuant to Chapter 78, P.L. 2011, future retirees eligible for postretirement 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 the premium for which the retiree will be responsible will be determined based on the retiree's annual retirement benefit and level coverage.

The State of New Jersey, Department of the Treasury, Division of Pensions and Benefits, issues publicly available financial reports that include the financial statements and required supplementary information of the above Fund. The financial reports may be assessed via, the New Jersey, Division of Pensions and Benefits website at [www.state.nj.us/treasury/pensions](http://www.state.nj.us/treasury/pensions).

**Measurement Focus and Basis of Accounting**

The financial statements of the OPEB plan are prepared in accordance with U.S. generally accepted accounting principles as applicable to government organizations. In doing so, the Division adheres to reporting requirements established by the Governmental Accounting Standards Board (GASB). The accrual basis of accounting is used for measuring financial position and changes in net position of the other postemployment benefit plan. Under this method, contributions are recorded in the accounting period in which they are legally due from the employer or plan member, and deductions are recorded at the time the liabilities are due and payable in accordance with the terms of each plan. The accounts of the Division are organized and operated on the basis of funds. All funds are accounted for using an economic resources measurement focus.

**Investment Valuation**

Investments are reported at fair value. Investments that do not have an established market are reported at estimated fair values.

As of June 30, 2018, the most recent measurement date, the State had a \$15.7 billion unfunded actuarial liability for other postemployment benefits (OPEB) which is made up of \$6.2 billion for state non-employer active and retired members, \$9.5 billion for local participating employer active and retired members.

The funded status and funding progress of the OPEB includes actuarial valuations which involve estimates of the value of reported amounts and assumptions about the probability of events far into the future. These amounts are subject to continual revision as actual results are compared to past expectations and new estimates are made about the probability of future events.

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THE NORTH HUDSON SEWERAGE AUTHORITY  
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**13. Other Post Retirement Benefits**

**Funded Status and Funding Progress (Continued):**

Actuarial calculations reflect a long-term perspective and are based on the benefits provided under the terms of the OPEB in effect at the time of each valuation and also consider the pattern of the sharing of costs between the employer and members at the point in time. The projection of benefits for financial reporting purposes does not explicitly incorporate the potential effects of legal or contractual funding limitations on the pattern of cost sharing between the employer and members in the future.

**Actuarial Methods and Assumptions**

In the June 30, 2018 OPEB actuarial valuations, the actuarial assumptions and methods used in these valuations were described in the Actuarial Assumptions and Methods section of the Actuary's report and are included here in this note to the financial statements. The Plan selected economic and demographic assumptions and prescribed them for use for purposes of compliance with GASB Statement No. 75. The Actuary provided guidance with respect to these assumptions, and it is their belief that the assumptions represent reasonable expectations of anticipated plan experience.

**Plan Membership and Contributing Employers**

At June 30, 2017, the OPEB plan membership and contributing employers consisted of the following:

<u>Local Government Retired</u>	<u>June 30, 2017</u>
Active Plan Members	61,789
Inactive Plan Members or Beneficiaries Currently Receiving Benefits	<u>26,277</u>
Total Plan Members	88,066

Contributing Employers

**Post-Retirement Medical Benefits Contribution**

The funding policy for the OPEB plan is pay-as-you-go; therefore, there is no prefunding of the liability. However, due to premium rates being set prior to each calendar year, there is a minimal amount of net position available to cover benefits in future years. Contributions to pay for the health benefit premiums of participating employees in the OPEB plan are collected from the State of New Jersey, participating local employers, and retired members. The State of New Jersey makes contributions to cover those employees eligible under Chapter 330, P.L. 1967, as disclosed previously. Local employers remit employer contributions on a monthly basis. Retired member contributions are generally received on a monthly basis.

The employers participating in the OPEB plan made contributions of \$421.2 million and the State of New Jersey, as the non-employer contributing entity, contributed \$53.5 million for the fiscal year June 30, 2018.

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**13. Other Post Retirement Benefits**

**Post-Retirement Medical Benefits Contribution (continued):**

The State sets the employer contribution rate based on a pay-as-you-go basis rather than the actuarial determined contribution an amount actuarially determined in accordance with the parameters of GASB Statement No. 75. The actuarial determined contribution represents a level of funding that, if paid on an ongoing basis, is projected to cover normal cost each year and any unfunded actuarial liabilities (or funding excess) of the plan-using a systematic and rational method over a closed period equal to the average of the expected remaining service lives of all employees that are provided with OPEB through the Plan. The Authority's contributions to the State Health Benefits Program Fund Local Government Retired Plan for post-retirement benefits for the years ended January 31, 2019 were 57,798, which equaled the required contributions for the year. Contributions to pay for the health premiums of participating retirees in the SHBP are billed to the Authority on a monthly basis. Funds for retiree health premiums are raised each year in the Authority's budget.

**OPEB Liabilities, OPEB Expenses and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB**

The accrual basis of accounting in accordance with generally accepted accounting principles accepted in the United States of America (GAAP) as applied to governmental units, requires participating employers in the State Health Benefit Program Fund –Local Government Retired Plan to accrue and disclose in accordance with GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pension (GASB No. 7 5)* their proportionate share of the collective net OPEB liability, collective deferred outflows of resources, collective deferred inflows of resources and collective OPEB expense excluding that attributable to retiree-paid member contributions. The employer allocation percentages presented are based on the ratio of the contributions made as an individual employer toward the actuarially determined contribution amount to total contributions to the plan during the fiscal years ended June 30, 2018 and 2017. Employer allocation percentages have been rounded for presentation purposes.

At January 31, 2019 and 2018, the Authority reported a liability of \$1,664,108 and \$2,140,595, respectively, for its proportionate share of the net OPEB liability. The net OPEB liability was measured as of June 30, 2018 and 2017, respectively, and the total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation as of June 30, 2017. The Authority's proportionate share of the net OPEB liability was based on the ratio of the Authority's proportionate share of the OPEB liability attributable to the Authority at January 31, 2019 and 2018 to the total OPEB liability for the State Health Benefit Program Fund- Local Government Retired Plan at June 30, 2018 and 2017, respectively. As of the measurement date of June 30, 2018 the Authority's proportionate share was .010622 percent, which was an increase of .005735 percent from its proportionate share measured as of June 30, 2016 of .010485 percent.

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**13. Other Post Retirement Benefits**

**OPEB Liabilities, OPEB Expenses and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB**

For the year ended January 31, 2019 the Plan has determined the Authority's OPEB expense to be \$95,730 based on the actuarial valuations. At January 31, 2019, measured at June 30, 2018, the Borough's deferred outflows of resources and deferred inflows of resources related to the OPEB plan reported on the Authority's financial statements are from the following resources:

	<u>June 30, 2018</u>		<u>June 30, 2017</u>	
	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflow of Resources</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflow of Resources</u>
Difference between expected and actual experience		\$ 337,873		
Changes of assumptions		422,123		237,588
Net difference projected and actual earnings on OPEB plan investments	879		367	
Changes in proportion and differences between Authority's and proportionate share of contributions	191,219		191,114	
Authority's contributions subsequent to the measurement date				
<b>Total</b>	<u>\$ 192,098</u>	<u>\$ 759,996</u>	<u>\$ 191,481</u>	<u>\$ 237,588</u>

At June 30, 2018 the amounts reported as deferred outflows of resources and deferred inflows of resources related to the OPEB plan will be recognized in OPEB expense as follows:

	<u>Year Ended June 30:</u>
2019	\$ (111,466)
2020	(111,466)
2021	(111,466)
2022	(111,559)
2023	(111,709)
Thereafter	(201,450)
<b>Total</b>	<u>\$ (759,117)</u>

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THE NORTH HUDSON SEWERAGE AUTHORITY  
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**13. Other Post Retirement Benefits**

**OPEB Liabilities, OPEB Expenses and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB**

*Actuarial Assumptions*

The Authority's total OPEB liability reported for the year ended December 31, 2018 was based on the June 30, 2018 measurement date as determined by an actuarial valuation as of June 30, 2017, which was rolled forward to June 30, 2018. The total OPEB liability reported for the year ended June 30, 2017 was based on the June 30, 2016 measurement date as determined by an actuarial valuation as of July 1, 2016, which was rolled forward to June 30, 2017. This actuarial valuation used the following actuarial assumptions, applied to all periods in the measurement date:

Inflation:	2.25%
Salary Increases*:	
Through 2026	1.65-8.98%
Thereafter	2.65-9.98%
Investment Rate of Return:	1.00%
Mortality	RP-2006 Headcount-Weighted- Healthy Employee Male/Female Mortality Table with fully generational mortality improvement projections from the central year using Scale MP-2017.

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

Healthcare cost trend rates for pre-Medicare Preferred Provider Organization (PPO) medical benefits, is initially 5.8 percent and decreases to a 5.0 percent long-term trend rate after eight years. For self-insured post-65 PPO medical benefits and HMO medical benefits, the trend rate is 4.5 percent. For prescription drug benefits, the initial trend rate is 8.0 percent and decreases to a 5.0 percent long-term trend rate after seven years. The Medicare Advantage trend rate is 4.5 percent and will continue in all future years.

The actuarial assumptions used in the June 30, 2018 and 2017 valuation were based on the results of the PFRS and PERS experience studies prepared for July 1, 2010 to June 30, 2013 and July 1, 2011 to June 30, 2014, respectively.

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THE NORTH HUDSON SEWERAGE AUTHORITY  
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**13. Other Post Retirement Benefits**

**OPEB Liabilities, OPEB Expenses and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB**

*Long-Term Expected Rate of Return*

As the OPEB plan only invests in the State of New Jersey Cash Management Fund, the long-term expected rate of return on OPEB investments was based off the best-estimate ranges of future real rates of return (expected returns, net of OPEB plan investment expense and inflation) for cash equivalents, which is 1.00% and 1.00% as of June 30, 2018 and 2017, respectively.

*Discount rate.* The discount rate used to measure the total pension liability was 3.87% and 3.58% as of June 30, 2018 and 2017, respectively.

The discount rate 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 Net OPEB Liability to Changes in the Discounts Rate*

The following presents the Authority's proportionate share of the OPEB net liability as of January 31, 2019 and 2018 calculated using the discount rate of 3.87% and 3.58%, respectively, as well as what the Authority's proportionate share of the net OPEB liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

	June 30, 2018		
	<u>1% Decrease</u>	<u>Rate</u>	<u>1% Increase</u>
	<u>2.87%</u>	<u>3.87%</u>	<u>4.87%</u>
Authority's proportionate share of the net OPEB liability	\$ 1,952,439	\$ 1,664,108	\$ 1,433,797

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	June 30, 2017		
	<u>1% Decrease</u>	<u>Rate</u>	<u>1% Increase</u>
	<u>2.58%</u>	<u>3.58%</u>	<u>4.58%</u>
Authority's proportionate share of the net OPEB liability	\$ 2,524,896	\$ 2,140,595	\$ 1,835,656

The sensitivity analysis was based on the proportionate share of the Authority's net OPEB liability at June 30, 2018 and 2017. A sensitivity analysis specific to the Authority's net OPEB liability was not provided by the Plan.

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THE NORTH HUDSON SEWERAGE AUTHORITY  
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**13. Other Post Retirement Benefits**

*Sensitivity of Net OPEB Liability to Changes in the Healthcare Trend Rate*

The following presents the Authority's proportionate share of the OPEB net liability as of June 30, 2018 and 2017 calculated using the healthcare trend rates as disclosed above as well as what the Authority's proportionate share of the net OPEB liability would be if it were calculated using healthcare trend rates that are 1-percentage-point lower or 1-percentage-point higher than the current rate:

	Health Cost Trend Rates-June 30, 2018		
	<u>1% Decrease</u>	<u>Rate</u>	<u>1% Increase</u>
Authority's proportionate share of the net OPEB liability	\$ 1,388,133	\$ 1,664,108	\$ 2,021,261

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	Health Cost Trend Rates- June 30, 2017		
	<u>1% Decrease</u>	<u>Rate</u>	<u>1% Increase</u>
Authority's proportionate share of the net OPEB liability	\$ 1,778,893	\$ 2,140,595	\$ 2,611,568

The sensitivity analysis was based on the proportionate share of the Authority's net OPEB liability at June 30, 2018 and 2017.

***OPEB Plan Fiduciary Net Position***

Detailed information about the OPEB plan's fiduciary net position is available in the separately issued financial report from the State of New Jersey, Department of the Treasury, Division of Pension and Benefits. The financial reports may be accessed via the New Jersey, Division of Pensions and Benefits, website at [www.state.nj.us/treasmy/pensions](http://www.state.nj.us/treasmy/pensions).

**Investment Valuation:** Investments are reported at fair value. Investments that do not have an established market are reported at estimated fair values.

**Health Insurance Waiver**

The Authority does not have a formal resolution authorizing a health insurance waiver, but follows the state requirements for waivers. Health insurance waivers are in an amount of the lesser of \$5,000 or the actual net insurance cost to employees that can show that coverage is provided by a spouse or other means, except if the spouse is already a member of the NJ Health Benefits Plan. In the fiscal year ending 2019, the Authority had no employees receiving this benefit.

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**14. Risk Management**

The Authority is exposed to various risk of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters.

**Property and Liability Insurance** – The Authority maintains commercial insurance coverage through American Alternative Insurance Company, Markel American Insurance Company, and Ace American Insurance Company. for property, liability, umbrella, public official’s liability, pollution and boiler and machinery coverage.

**15. Retroactive Restatement of Net Position**

The Authority adopted GASB No. 75 -, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions* during the 2019 fiscal year as required by the pronouncement. The pronouncement requires the Authority to record its proportional share of the State of New Jersey’s net OPEB liability, deferred outflows of resources and deferred inflows of resources on the face of its financial statements as of January 31, 2018 and to record related OPEB expense in accordance with the pronouncement. In order to correctly reflect OPEB expense in accordance with GASB No. 75, the beginning Net Position of the Authority was adjusted to reflect the beginning balance of the net OPEB liability, deferred outflows and deferred inflows. Since the measurement date of the net OPEB liability is June 30, 2017 (as described in Note 13, the restatement adjustments to Net Position relate to the beginning net pension liability measured as of June 30, 2017.

<u>Net Position:</u>	
Net Position January 31, 2018	\$ 115,189,439.60
Restatement of OPEB Deferred Outflows	191,481.00
Restatement of OPEB Deferred Inflows	(237,588.00)
Restatement of Net Pension Liability	(2,140,595.00)
Net Position , January 31, 2018, as Restated	<u>113,002,737.60</u>

**16. Subsequent Events**

The Authority established a new sewer rate of \$9.68 per 1,000 gallons effective February 1, 2019.

The Authority adopted its fiscal year 2020 budget on January 17, 2019.

Management has reviewed subsequent events through July, 5, 2019 which is the date the financial statements are available to be issued.

See independent auditor’s report

SINGLE AUDIT SECTION

**INDEPENDENT AUDITOR'S 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**

**INDEPENDENT AUDITOR'S REPORT**

The Honorable Chairman and Commissioners  
of The North Hudson Sewerage Authority  
County of Hudson  
Hoboken, New Jersey 07030

We have audited, in accordance with the 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 and audit requirements prescribed by the Division of Local Government Services, Department of Community Affairs, State of New Jersey, the financial statements of The North Hudson Sewerage Authority, County of Hudson, State of New Jersey (the "Authority"), as of and for the year ended January 31, 2019, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements, and have issued our report thereon dated July 5, 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 combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity'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 and therefore, material weaknesses or significant deficiencies may exist that were not identified. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses.

### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the Authority's financial statements are free of 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* and audit requirements as prescribed by the Division of Local Government Services, Department of Community Affairs, State of New Jersey.

We noted certain other matters that were reported in the schedule of audit comments and recommendations as item number 2019-001.

### **Authority's Response to Findings**

The Authority's response to the findings identified in our audit is described in the accompanying schedule of findings and questioned costs. We did not audit the Authority's response and, accordingly, we express no opinion on it.

### **Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* and audit requirements as prescribed by the Division of Local Government Services, Department of Community Affairs, State of New Jersey in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



Paul W. Garbarini, CPA  
Registered Municipal Accountant  
No. 534



Garbarini & Co. P.C. CPA's  
Registered Municipal Accountants  
July 5, 2019  
Carlstadt, New Jersey

**INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL AND STATE PROGRAM AND ON INTERNAL CONTROL OVER COMPLIANCE; AND REPORT ON SCHEDULE OF EXPENDITURES OF FEDERAL AND STATE AWARDS REQUIRED BY OMB UNIFORM GUIDANCE U.S. AND N.J. OMB CIRCULAR 15-08**

**INDEPENDENT AUDITOR'S REPORT**

The Honorable Chairman and Commissioners  
of The North Hudson Sewer Authority  
County of Hudson  
Hoboken, New Jersey 07030

**Report on Compliance for Each Major Federal and State Program**

We have audited the compliance of the North Hudson Sewerage Authority, County of Hudson, State of New Jersey (the "Authority"), with the types of compliance requirements described in the *OMB Compliance Supplement* and the *N.J. State Grant Compliance Supplement* that could have a direct and material effect on each of the Authority's major federal and state programs for the fiscal year ended January 31, 2019. The Authority's major federal and state programs are identified in the Summary of Auditor's Results section of the accompanying schedule of findings and questioned costs.

**Management's Responsibility**

Management is responsible for compliance with the requirements of laws, regulations, contracts and grants applicable to each of its major federal and state programs.

**Auditor's Responsibility**

Our responsibility is to express an opinion on compliance for each of the Authority's major federal and state programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the *Comptroller General of the United States*; and the audit requirements of Title 2 U.S. *Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance), and *N.J. OMB Circular 15-08, Single Audit Policy for Recipients of Federal Grants, State Grants, and State Aid*. Those standards, *Uniform Guidance and State Circular 15-08* require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major state program occurred. An audit includes examining, on a test basis, evidence about the Authority's compliance with those requirements and performing such other procedures as we consider necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal and state program. However, our audit does not provide a legal determination on the Authority's compliance.

### **Opinion on Each Major Federal and State Program**

In our opinion the Authority complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of its major federal and state programs for the fiscal year ended January 31, 2019.

### **Report on Internal Control Over Compliance**

Management of the Authority is responsible for establishing and maintaining effective internal control over compliance and the types of compliance requirements referred to above. In planning and performing our audit, we considered the Authority's internal control over compliance with the types of requirements that could have a direct and material effect on a major federal and state program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing our opinion on compliance for each major federal and state program and to test and report on internal over compliance in accordance with the *Uniform Guidance and N.J. Circular 15-08*, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the Authority's internal control over compliance.

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

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

**Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance and Schedule of Expenditures of State Financial Assistance Required by New Jersey OMB Circular 15-08**

We have audited the financial statements of the Authority as of and for the Authority's year ended January 31, 2019 and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements. We issued our report thereon dated July 5, 2019, which contained unmodified opinions on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying schedule of expenditures of federal awards as required by the Uniform Guidance and schedule of expenditures of state financial assistance as required by New Jersey OMB Circular 15-08 are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal and state awards is fairly stated in all material respects in relation to the financial statements a whole.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of *Uniform Guidance and N.J. Circular 15-08*. Accordingly, this report is not suitable for any other purpose.



Paul W. Garbarini, CPA  
Registered Municipal Accountant  
No. 534



Garbarini & Co. P.C. CPA's  
Registered Municipal Accountants

July 5, 2019  
Carlstadt, New Jersey

THE NORTH HUDSON SEWERAGE AUTHORITY  
 COUNTY OF HUDSON, STATE OF NEW JERSEY  
 FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule IF

SCHEDULE OF FEDERAL FINANCIAL ASSISTANCE

CFDA No.	Program	State Grant Pass Through Project Number	Grant Period	Grant Award	Cash Received	Program Expenditures	Cumulative Disbursements
66-458	Environmental Protection Agency: Environmental Public Wastewater Facilities						
	Pass Through Entity:						
	New Jersey Environmental Infrastructure Financing Program CSO Rehabilitation:	CSO-98-042					
66-458	NIEIT 05 - Fund Portion	042-4860-510-009	02/01/05 - 06/30/16	\$ 6,038,809			\$ 5,782,677
66-458	NIEIT 09 - Fund Portion	S340952-05-01-1	03/01/15-06/30/16	3,125,500.00	737,945.00	737,945.00	2,735,739.00
66-458	NIEIT 16 - Fund Portion	S340952-19	02/01/15-06/30/16	2,408,000.00	374,987.00	374,987.00	2,408,000.00
66-458	NIEIT 16 - Principal Forgiveness	S340952-19	02/01/15-06/30/16	817,000.00	127,227.00	127,227.00	817,000.00
66-458	NIEIT 18-28-Fund Portion	S340952-28	02/01/2018-01/31/2019	891,089.00	789,933.00	789,933.00	789,933.00
66-458	NIEIT 18-22-Construction Loan-Fund Portion	S340952-22	02/01/2018-01/31/2019	12,668,339.00	7,526,556.00	7,526,556.00	7,526,556.00
66-458	NIEIT 18-23 - Construction Loan- Fund Portion	S340952-23	02/01/2018-01/31/2019	1,720,228.00	1,050,530.00	1,050,530.00	1,050,530.00
66-458	NIEIT 18-30 - Construction Loan-Fund Portion	S340952-30	02/01/2018-01/31/2019	13,034,039.00	232,850.00	232,850.00	232,850.00
66-458	NIEIT 18-CSO-01 Construction Loan-Fund Portion	S345190-01	02/01/2018-01/31/2019	2,729,169.00	803,545.00	803,545.00	803,545.00
				43,632,173.00	11,643,573.00	11,643,573.00	22,146,830.00
97-036	Department of Homeland Security Disaster Grants- Public Assistance	066 1200 100 A92	02/01/12-01/31/16	8,328,392.86	795,885.93	441,810.54	9,680,345.57
14-218	Community Development Block Grant	Hudson County	02/01/17-01/31/18	96,499.75			96,499.75
66-419	New England Interstate Water Pollution Control (Catch Basin Grants)	N/A	02/01/17-01/31/18	48,125.00	48,125.00		48,125.00
				\$ 52,105,190.61	\$ 17,487,581.91	\$ 12,085,383.54	\$ 31,972,400.32

SCHEDULE OF STATE FINANCIAL ASSISTANCE

Pass Through Entity ID#	Program	State Grant Number	Grant Period	Grant Award	Cash Received	Program Expenditures	Cumulative Disbursements
CSO-98-042	New Jersey Environmental Infrastructure Financing Program CSO Rehabilitation:						
	NIEIT 05 - Trust Portion	S340952-05-01-1	02/01/05 - 06/30/16	\$ 2,012,936			\$ 1,977,555
	NIEIT 09 - Trust Portion	S340952-20	03/01/15-06/30/16	1,108,500.00	245,982.00	245,982.00	911,913.00
	NIEIT 16 - Trust Portion	S340952-19	02/01/15-06/30/16	1,075,000.00	167,405.00	167,405.00	1,075,000.00
	NIEIT 16 - Trust Portion	S-340952-26A/B	02/01/16-01/31/17	208,203.00			208,203.00
	NIEIT 18-28-Trust Portion	S340952-28	02/01/2018-01/31/2019	300,000.00	263,311.00	263,311.00	263,311.00
	NIEIT 18-22-Construction Loan-Trust Portion	S340952-22	02/01/2018-01/31/2019	4,222,780.00	2,508,852.00	2,508,852.00	2,508,852.00
	NIEIT 18-23 - Construction Loan- Trust Portion	S340952-23	02/01/2018-01/31/2019	573,409.00	350,177.00	350,177.00	350,177.00
	NIEIT 18-30 - Construction Loan-Trust Portion	S340952-30	02/01/2018-01/31/2019	4,344,680.00	77,616.00	77,616.00	77,616.00
	NIEIT 18-CSO-01 Construction Loan-Trust Portion	S345190-01	02/01/2018-01/31/2019	909,723.00	267,848.00	267,848.00	267,848.00
	New Jersey Clean Energy Program - Solar Panel Grant	N/A	02/01/11 - 01/31/19	753,283.00	33,284.00	33,284.00	753,283.00
				\$ 15,509,314.00	\$ 3,914,475.00	\$ 3,914,475.00	\$ 8,343,758.00

See independent auditor's opinion and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
NOTES TO SCHEDULE OF FEDERAL AND STATE FINANCIAL ASSISTANCE  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

1. General

The accompanying schedules present the activity of all federal and state financial assistance programs of the Authority. The Authority is defined in Note 1 of the Authority's financial statements. All federal financial assistance received directly from federal agencies, as well as federal financial assistance passed through other government agencies is included on the schedule of expenditures of awards.

2. Basis of Accounting

The financial statements of the Authority have been prepared on the accrual basis and in accordance with generally accepted accounting principles as promulgated by Governmental Accounting Standards Board (GASB) and applicable to enterprise funds of state and local governments.

Revenues are recognized in the accounting period when they become susceptible to accrual. Expenditures, if measurable, are recognized in the accounting period in which the liability is incurred.

The Authority has elected not to use the 10-percent de minimis indirect cost rate as allowed under the Uniform Guidance.

3. Relationship of Financial Statements

Amounts reported in the accompanying schedules agree with amounts reported in the Authority's financial statements, exclusive of the un-appropriated reserves. Financial assistance awards are reported in the Authority's financial statements on a basis of accounting described above as follows:

	<u>Federal</u>	<u>State</u>
General Program	\$ 12,085,383.54	\$ 3,914,475.00

4. Relationship to Federal and State Financial Reports

Amounts reported in the accompanying schedules agree with the amounts reported in the related federal and state financial reports.

**The North Hudson Sewerage Authority  
County of Hudson, State of New Jersey  
Schedule of Findings and Questioned Costs  
For the Fiscal Year Ended January 31, 2019**

**Section I – Summary of Auditor’s Results**

**Financial Statements**

[Reference – Section .516 and .518 of Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards]

Type of Auditors Report Issued	Unqualified		
Internal Control over Financial Reporting:			
1) Material weakness(s) identified?	Yes	X	No
2) Significant deficiencies identified?	Yes	X	No
Noncompliance material to basic financial statement noted?	Yes	X	No

**Federal Awards**

Internal Control over major programs:

1) Material weakness(s) identified	Yes	X	No
2) Significant deficiencies identified?	Yes	X	No

Type of auditor’s report issued on compliance for major programs:

Unqualified
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Any audit findings disclosed that are required to be reported in accordance with section 2CFR 200 section .516(a) of?

Yes	X	No
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Identification of major programs:

	CFDA Number	Name of Federal Program or Cluster
(Type A)	66.458	NJ Department of Environmental Protection Infrastructure Improvement Trust/Loan. (CSO-98-042)
(Type A)	97.036	Department of Homeland Security- Disaster Grant- Public Assistance

Dollar threshold used to determine type A and type B programs: \$ 750,000

Auditee qualified as low-risk auditee? X      Yes                      No

**The North Hudson Sewerage Authority  
 County of Hudson, State of New Jersey  
 Schedule of Findings and Questioned Costs (Continued)  
 For the Fiscal Year Ended January 31, 2019**

*Section I – Summary of Auditor’s Results (Continued)*

**State Awards**

Dollar threshold used to determine Type A and Type B Programs: \$750,000

Audited qualified as low-risk auditee? Yes            X            No           

Internal Control over Major Programs

1) Material weakness identified Yes            X            No           

2) Significant deficiencies identified that are not considered to be material weaknesses? Yes            X            No           

Type of Auditor’s Report Issued on compliance for major programs:

Unqualified

Any audit findings disclosed that are required to be reported in accordance with NJOMB Circular Letter 15-08? Yes            X            No           

Identification of major programs:

	<u>State Grant/ Project Number</u>	<u>Name of State Program</u>
(Type A)	CSO-98-042	NJ Department of Environmental Protection Infrastructure Improvement Trust/Loan. (CSO-98-042)



**The North Hudson Sewerage Authority  
County of Hudson, State of New Jersey  
Schedule of Findings and Questioned Costs (Continued)  
For the Fiscal Year Ended January 31, 2019**

***Section II – Financial Statement Findings***

[This section identifies the significant deficiencies, material weaknesses, fraud, illegal acts, violations of provisions of contracts and grant agreements, and abuse related to the financial statements for which Government Auditing Standards requires reporting in accordance with the Uniform Guidance and New Jersey OMB Circular 15-08 audit.]

None Reported

***Section III – Schedule of Federal and State Award Findings and Questioned Cost***

[This section identifies audit findings required to be reported by section 2 CFR 200 section .516 of the Uniform Administrative Requirements for Federal Awards and NJOMB Circular Letter 15-08].

**FEDERAL AWARDS**

None Reported

**STATE AWARDS**

None Reported

***Section IV: Summary Schedule of Prior – Year Audit Findings  
and Questioned Costs as Prepared by Management***

[This section identifies the status of prior-year findings related to the general-purpose financial statements and federal and state awards that are required to be reported in accordance with Chapter 6.12 of *Government Auditing Standards, USOMB Uniform Administrative Requirements, Cost Principles, and Audit Requirements of Federal Awards* (section .511 (a)(b)) and NJOMB's Circular Letter 15-08].

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
STATUS OF PRIOR YEAR AUDIT FINDINGS & RECOMMENDATIONS  
JANUARY 31, 2019

**PRIOR YEAR AUDIT FINDINGS AND STATUS:**

**Recommendation 18-001:**

That all sewer charge receivable be reviewed to determine if any receivables should be canceled, placed on property tax sale or litigated.

**Status of Prior Year Finding:**

Partial corrective action has been taken.

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
CURRENT FISCAL YEAR AUDIT FINDINGS & RECOMMENDATIONS  
JANUARY 31, 2019

**CURRENT FISCAL YEAR AUDIT FINDINGS AND STATUS:**

**\*Finding # 2019-001:**

That the delinquent accounts greater than 6 months be evaluated by management.

**Condition**

The authority's accounts receivable aging balance report printed as of June 12, 2019 shows a total current balance of accounts greater than 6 months (Bill year 2006 thru November 2018) total \$ 5,085,380.12.

<b><u>Bill Year</u></b>	<b><u>Accounts Receivable</u></b>
2007	7,542.46
2008	23,877.11
2009	8,642.49
2010	21,511.22
2011	24,093.59
2012	17,491.68
2013	19,422.84
2014	11,806.64
2015	273,242.21
2016	374,604.78
2017	1,136,293.26
2018	<u>3,166,851.84</u>
	<u>\$ 5,085,380.12</u>

**Recommendation:**

That all sewer charge receivable be reviewed to determine if any receivables should be canceled, placed on property tax sale or litigated.

**Management's Response:**

The Authority will review all accounts which have been delinquent from 2017 and prior to determine if any of the balances should be canceled, placed in property tax sale, or litigated. The appropriate corrective action will be taken for each account. Please note that a number of the aged receivables, which were not placed in tax sale by one of the Authority's constituent municipalities, are already in litigation, and therefore should remain active. Accounts which the Authority determines should be canceled, if any, will be done so by a resolution of the Board of Commissioners.

**\*Repeated from prior year's audit.**

SUPPLEMENTARY INFORMATION

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SCHEDULE OF CASH RECEIPTS, CASH DISBURSEMENTS, AND CHANGES IN CASH AND INVESTMENTS  
UNRESTRICTED AUTHORITY ACCOUNTS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 2

Trustee/ Wealth Operating Fund	Operating	TD Bank Revenue	Payroll Agency	Petty Cash/ Change Fund	Wealth General Fund	Rent Stabilization Fund	Rate Stabilization Fund	Total
\$3,976,604.35	\$ 2,182,250.00	\$ 175,461.43	\$ (1,726.74)	\$ 1,800.00	\$12,338,119.56	\$ 8,500,757.46	\$ 9,161,639.00	\$36,334,905.06
3,976,604.35	2,182,250.00	175,461.43	(1,726.74)	1,800.00	12,338,119.56	8,500,757.46	9,161,639.00	36,334,905.06
<b>Cash Receipts</b>								
	32,466.60	16,545.96						49,012.56
	33,284.00							33,284.00
	844,010.93							844,010.93
	6,667.73							6,667.73
	91,415.40							91,415.40
	2,397,114.36	3,198,506.06						5,595,620.42
		564,816.37						564,816.37
	8,245.97	50,618,519.21						50,626,765.18
	269,305.54							269,305.54
	62,992,616.14	400,000.00	781,709.86	3,510.77	108,179.52	69,662.67	0.51	510,506.25
	66,675,126.67	54,798,387.60	781,709.86	3,510.77	15,913,831.98	69,662.67	3,055,135.51	169,076,560.27
	68,857,376.67	54,973,849.03	779,983.12	5,310.77	28,251,951.54	8,570,420.13	12,216,774.51	205,411,465.33
<b>Cash Disbursements:</b>								
	7,917,451.20							7,917,451.20
	1,595,297.20							1,595,297.20
	17,786,580.94	13,789.26	778,501.14	3,510.77				18,582,382.11
	441,810.54							441,810.54
	852,917.03		4,596.98					857,514.01
	1,185,048.77							1,185,048.77
	93,509.70							93,509.70
	14,315,458.33							14,315,458.33
	20,424,911.34							20,424,911.34
	75,757.41							75,757.41
	1,325,475.72	51,054,803.24			15,209,137.97	69,662.67	12,000,000.00	107,438,274.81
	68,167.71							68,167.71
	66,082,385.89	51,068,592.50	783,098.12	3,510.77	15,209,137.97	69,662.67	12,000,000.00	172,995,583.13
	2,774,990.78	3,905,256.53	(3,115.00)	1,800.00	13,042,813.57	8,500,757.46	216,774.51	32,415,882.20
	2,774,990.78	3,905,256.53	(3,115.00)	1,800.00	13,042,813.57	8,500,757.46	216,774.51	32,415,882.20
	2,774,990.78	3,905,256.53	(3,115.00)	1,800.00	13,042,813.57	8,500,757.46	216,774.51	32,415,882.20

THE NORTH HUDSON SEWERAGE AUTHORITY  
 COUNTY OF HUDSON, STATE OF NEW JERSEY  
 SCHEDULE OF CASH RECEIPTS, CASH DISBURSEMENTS, AND CHANGES IN CASH AND INVESTMENTS  
 RESTRICTED ACCOUNTS REQUIRED BY MASTER LEASE AGREEMENT  
 FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

	Renewal & Replacement Fund	Construction/Grant Fund	Reserve Fund	Reserve for Capital Projects & W1234 Account	Subtotal
Cash and cash equivalents January 31, 2018	\$ 11,000,000.00	\$ 200,013.24	\$ 24,401,313.90	\$ 26,967,552.83	\$ 62,568,879.97
Cash Receipts:					
Due From Infrastructure Trust/ Loan - Reimbursements		15,524,764.00			15,524,764.00
Due From Infrastructure Trust (HS Hoboken)			206,041.31		206,041.31
Restricted Interest Income	96,143.11			9,383,409.39	9,383,409.39
Interest Income					
Interfund Transfers					
Total Cash Receipts	96,143.11	15,524,764.00	206,041.31	9,383,409.39	25,210,357.81
Total Cash and Cash Equivalents Available	11,096,143.11	15,724,777.24	24,607,355.21	36,350,962.22	87,779,237.78
Cash Disbursements:					
COPS Principal/Loan Interest Weehawken/ West New York FOG & FWC Interfund Transfers	96,143.11	12,552,944.42		19,885,408.26	32,534,495.79
Total Cash Disbursements	96,143.11	12,552,944.42	0.00	19,885,408.26	32,534,495.79
Cash and Cash Equivalents January 31, 2019	\$ 11,000,000.00	\$ 3,171,832.82	\$ 24,607,355.21	\$ 16,465,553.96	\$ 55,244,741.99
Cash Investments	\$ 11,000,000.00	\$ 3,171,832.82	\$ 553,403.55	\$ 16,465,553.96	\$ 20,190,790.33
			\$ 24,053,951.66	\$ -	\$ 35,053,951.66

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
 COUNTY OF HUDSON, STATE OF NEW JERSEY  
 SCHEDULE OF CASH RECEIPTS, CASH DISBURSEMENTS, AND CHANGES IN CASH AND INVESTMENTS  
 RESTRICTED ACCOUNTS REQUIRED BY MASTER LEASE AGREEMENT  
 FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

	Subtotal Previous Page	2012 A,B,C Interest Fund	Wealth Revenue Fund	2012 A,B,C, Principal Fund Fund	Total
Cash and cash equivalents January 31, 2018	\$ 62,568,879.97	\$ 2,480,592.88	\$ -	\$ 895,234.32	\$ 65,944,707.17
Cash Receipts:					
Due From Infrastructure Trust/ Loan - Reimbursements	15,524,764.00				15,524,764.00
Restricted Interest Income	206,041.31				206,041.31
Interest Income	96,143.11	29,073.11	129.24	3,713.94	129,059.40
Interfund Transfers	9,383,409.39	17,654,795.05	63,334,751.33	6,871,932.56	97,244,888.33
Transfer from Escrow- Close Account	0.00	851,375.00			851,375.00
Transfer from Escrow- Deceased Portion					
Total Cash Receipts	25,210,357.81	18,535,243.16	63,334,880.57	6,875,646.50	113,956,128.04
Total Cash and Cash Equivalents Available	87,779,237.78	21,015,836.04	63,334,880.57	7,770,880.82	179,900,835.21
Cash Disbursements:					
COPS Principal/Loan Interest	0.00	14,808,862.82		4,685,000.00	19,493,862.82
COPS Principal/Loan Interest- Def. Portion	0.00	851,375.00			851,375.00
Weehawken/ West New York FOG & FWC Interfund Transfers	32,534,495.79	2,691,698.59	63,334,880.57	2,000,000.00	100,561,074.95
Total Cash Disbursements	32,534,495.79	18,351,936.41	63,334,880.57	6,685,000.00	120,906,312.77
Cash and Cash Equivalents January 31, 2019	\$ 55,244,741.99	\$ 2,663,899.63	\$ -	\$ 1,085,880.82	\$ 58,994,522.44
Cash Investments	\$ 20,190,790.33	\$ 2,663,899.63	\$ -	\$ 1,085,880.82	\$ 23,940,570.78
	\$ 35,053,951.66	\$ -	\$ -	\$ -	\$ 35,053,951.66

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SCHEDULE OF COMPARISON BETWEEN BUDGETED AND ACTUAL  
REVENUES AND EXPENDITURES

Schedule 4

For the Fiscal Year Ended January 31, 2019

	Adopted <u>Budget</u>	Amended <u>Budget</u>	Actual <u>Revenues</u>	Variance Favorable / (Unfavorable)
<u>Revenues Anticipated:</u>				
User Fees and Charges	\$ 43,733,032.00	\$ 43,733,032.00	\$ 46,059,857.63	\$ 2,326,825.63
Interest & Penalties	900,000.00	900,000.00	857,033.19	(42,966.81)
Facilities Charge	4,800,000.00	4,800,000.00	5,282,596.82	482,596.82
Interest Income	325,000.00	325,000.00	861,963.83	536,963.83
Connection Fees	2,800,000.00	2,800,000.00	5,595,620.42	2,795,620.42
Solar Renewable Energy	35,000.00	35,000.00	33,284.00	(1,716.00)
FEMA- Hurricane Sandy (Increase)			180,000.00	180,000.00
Other Misc. Non-Budgeted Income			55,096.66	55,096.66
Unrestricted Net Position- Utilized	<u>2,000,000.00</u>	<u>2,900,000.00</u>	<u>2,900,000.00</u>	<u>0.00</u>
Total Revenues	<u>\$ 54,593,032.00</u>	<u>\$ 55,493,032.00</u>	<u>\$ 61,825,452.55</u>	<u>\$ 6,332,420.55</u>
 <u>Budgetary Revenues Not GAAP:</u>				
Unrestricted Net Position - Utilized (Not GAAP Revenue)			<u>\$ (2,900,000.00)</u>	
			<u>\$ 58,925,452.55</u>	

See independent auditor's report and notes to the financial statements

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THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SCHEDULE OF COMPARISON BETWEEN BUDGETED AND ACTUAL  
REVENUES AND EXPENDITURES

Schedule 4

For the Fiscal Year Ended January 31, 2019

<u>Appropriations:</u>	<u>Adopted Budget</u>	<u>Amended Budget</u>	<u>Actual Expenditures</u>	<u>Variance Favorable / (Unfavorable)</u>
<u>Operating Appropriations:</u>				
<u>Personnel Services:</u>				
Salaries and Wages:	\$ 850,000.00	\$ 850,000.00	\$ 813,707.75	\$ 36,292.25
<u>Employee Benefits:</u>				
Social Security	\$ 66,000.00	\$ 66,000.00	\$ 50,963.19	\$ 15,036.81
PERS/DCRP	65,000.00	65,000.00	197,954.24	(132,954.24)
Unemployment Compensation Insurance	12,000.00	12,000.00	12,012.00	(12.00)
Workers' Compensation Insurance	4,500.00	4,500.00	4,828.00	(328.00)
Long Term Disability Insurance/ Group Term Life	17,000.00	17,000.00	40,300.18	(23,300.18)
Health Insurance	<u>328,000.00</u>	<u>328,000.00</u>	<u>276,797.00</u>	<u>51,203.00</u>
	<u>\$ 492,500.00</u>	<u>\$ 492,500.00</u>	<u>\$ 582,854.61</u>	<u>\$ (90,354.61)</u>

See independent auditor's report and notes to the financial statements

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THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SCHEDULE OF COMPARISON BETWEEN BUDGETED AND ACTUAL  
REVENUES AND EXPENDITURES

Schedule 4

For the Fiscal Year Ended January 31, 2019

<u>Appropriations:</u>	<u>Adopted Budget</u>	<u>Amended Budget</u>	<u>Actual Expenditures</u>	<u>Variance Favorable / (Unfavorable)</u>
<b>Administrative Expenses:</b>				
<b>Consulting Services:</b>				
Engineer	\$ 185,000.00	\$ 185,000.00	\$ 248,951.55	\$ (63,951.55)
Legal Services	245,000.00	345,000.00	390,998.88	(45,998.88)
Legal Advertising	12,000.00	12,000.00	5,070.05	6,929.95
Insurance	317,500.00	317,500.00	316,232.94	1,267.06
Current Year Audit	42,000.00	42,000.00	42,000.00	0.00
EMMA Filings	5,000.00	5,000.00	5,000.00	0.00
Trustee Expenses	320,000.00	320,000.00	184,905.00	135,095.00
Education	12,000.00	12,000.00	13,658.32	(1,658.32)
Office Supplies and Expenses	95,000.00	95,000.00	120,728.48	(25,728.48)
Postage	85,000.00	85,000.00	62,133.48	22,866.52
Office Equipment	15,000.00	15,000.00		15,000.00
<b>Contracted Services:</b>				
Accounting Services	100,000.00	100,000.00	99,840.00	160.00
Financial Advisor/ Grant Management Services	208,000.00	208,000.00	242,810.79	(34,810.79)
Telephone / Communications	25,000.00	25,000.00	18,198.32	6,801.68
	<u>\$ 1,666,500.00</u>	<u>\$ 1,766,500.00</u>	<u>\$ 1,750,527.81</u>	<u>\$ 15,972.19</u>

See independent auditor's report and notes to the financial statements

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THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SCHEDULE OF COMPARISON BETWEEN BUDGETED AND ACTUAL  
REVENUES AND EXPENDITURES

Schedule 4

For the Fiscal Year Ended January 31, 2019

	Adopted Budget	Amended Budget	Actual Expenditures	Variance Favorable / (Unfavorable)
<b>Appropriations:</b>				
<b>Operations and Maintenance</b>				
<b>Contracted Services:</b>				
Utilities	\$ 1,800,000.00	\$ 1,800,000.00	\$ 1,908,095.09	\$ (108,095.09)
Operating Permits	400,000.00	400,000.00	309,739.52	90,260.48
FOG and SWC- Weehawken and West New York	800,000.00	1,600,000.00	1,200,000.00	400,000.00
Adams Street Plant & River Road Plant	9,590,600.00	9,590,600.00	9,450,376.91	140,223.09
Pass-Through Costs Adams & River Road Plant	250,000.00	250,000.00	260,882.85	(10,882.85)
Corrective Maintenance	400,000.00	400,000.00	355,226.23	44,773.77
Plant Repairs	280,000.00	280,000.00	231,637.86	48,362.14
Real Time Decision Support (EmNet)	100,000.00	100,000.00		100,000.00
Energy Market Technical Services	46,000.00	46,000.00		46,000.00
Port Imperial PS & HS	50,000.00	50,000.00	13,238.33	36,761.67
Jersey City Sewerage	2,615,000.00	2,615,000.00	2,524,965.08	90,034.92
North Bergen Sewerage Authority	600,000.00	600,000.00	397,626.10	202,373.90
Contingencies	100,000.00	100,000.00		100,000.00
Miscellaneous Repairs	600,000.00	600,000.00	773,575.08	(173,575.08)
	<u>\$ 17,631,600.00</u>	<u>\$ 18,431,600.00</u>	<u>\$ 17,425,363.05</u>	<u>\$ 1,006,236.95</u>
<b>Debt Service:</b>				
2012 A (Tax Exempt) Principal	\$ 2,350,000.00	\$ 2,350,000.00	\$ 2,350,000.00	0.00
2012 B (Taxable) Principal	335,000.00	335,000.00	335,000.00	0.00
2012 (Variable) Principal	2,000,000.00	2,000,000.00	2,000,000.00	0.00
2012 A (Tax Exempt) Interest	7,422,683.00	7,422,683.00	6,812,850.00	609,833.00
2012 B (Taxable) Interest	7,134,390.00	7,134,390.00	7,134,389.72	0.28
2012 (Variable) Interest	1,649,200.00	1,649,200.00	973,115.76	676,084.24
NJEIT Principal	7,071,789.00	7,071,789.00	6,851,789.04	219,999.96
NJEIT Interest	934,235.00	934,235.00	790,286.85	143,948.15
Funding - Capital Projects	2,000,000.00	2,000,000.00	2,000,000.00	0.00
Surplus to Rate Stabilization	3,055,135.00	3,055,135.00	3,055,135.00	0.00
	<u>\$ 33,952,432.00</u>	<u>\$ 33,952,432.00</u>	<u>\$ 32,302,566.37</u>	<u>\$ 1,649,865.63</u>
<b>Total Appropriations</b>	<u>\$ 54,593,032.00</u>	<u>\$ 55,493,032.00</u>	<u>\$ 52,875,019.59</u>	<u>\$ 2,618,012.41</u>
<b>Non Budget Expenses &amp; GAAP Adjustments</b>				
Superstorm Sandy Expenses			441,810.54	(441,810.54)
Depreciation Expense			6,560,439.21	(6,560,439.21)
Amortization of Easement			12,666.67	(12,666.67)
Amortization of Bond Defeasance Cost & Premium			7,244,209.93	(7,244,209.93)
Budgetary expenses (not GAAP)- Principal on Debt Service			(11,536,789.04)	11,536,789.04
Funding - Capital Projects & Surplus to Rate Stabilization			(5,055,135.00)	5,055,135.00
<b>Total Expenses on GAAP Basis</b>	(a) <u>\$ 54,593,032.00</u>	<u>\$ 55,493,032.00</u>	<u>\$ 50,542,221.90</u>	<u>\$ 4,950,810.10</u>

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
ANALYSIS OF ACCOUNTS RECEIVABLE - USER CHARGES  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 5

User Charges Receivable	\$	6,005,936.92		
Interest and Penalties Receivable		1,105,287.05		
Reserve for Uncollected Accounts		(2,400,000.00)		
Balance January 31, 2018			\$	4,711,223.97
Add: Billings				
User Charges		46,059,857.63		
Facilities Charges		5,282,596.82		
Interest & Penalties		857,033.19		
Other Fees-Misc. Income		6,384.10		
				52,205,871.74
				56,917,095.71
Deduct: Collections				
Collections		50,626,765.18		
Refunds		(68,212.89)		
Overpayments Applied		738,592.49		
				51,297,144.78
Balance January 31, 2019			\$	5,619,950.93
 <u>Analysis of Balance</u>				
User Charges Receivable			\$	6,940,105.21
Interest and Penalties Receivable				1,079,845.72
Reserve for Uncollected Accounts				(2,400,000.00)
			\$	5,619,950.93

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
ANALYSIS OF PREPAID EXPENSES AND DEPOSITS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 6

Balance January 31, 2018 .		\$	1,117,112.51
Add:			
Prepaid Medical	11,619.50		
Prepaid Insurance	253,541.07		
Prepaid Plant Expenses (OMI)	787,531.41		
Prepaid Credit Card Processing Fee	2,291.67		
Prepaid Administration	44,362.62		
Prepaid Trustee Fees	85,702.50		
			1,185,048.77
			2,302,161.28
Deduct:			
Applied to Operations			1,117,112.51
Balance January 31, 2019		\$	1,185,048.77

Analysis of Balance

Prepaid Medical			11,619.50
Prepaid Insurance			253,541.07
Prepaid Plant Expenses (OMI)			787,531.41
Prepaid Credit Card Processing Fee			2,291.67
Prepaid Administration			44,362.62
Prepaid Trustee Fees			85,702.50
		\$	1,185,048.77

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
ANALYSIS OF FIXED ASSETS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 7

Balance January 31, 2018 \$ 448,566,531.11

Add:

Plants	\$ 2,409,977.42	
Sewer Lines Improvement	10,629,661.16	
Pump Stations	4,109,175.85	
Construction Costs	<u>15,845,024.82</u>	
		<u>32,993,839.25</u>
		<u>481,560,370.36</u>

Deduct:

Reallocated From Work in Progress	<u>17,148,814.43</u>	
		<u>17,148,814.43</u>

Balance January 31, 2019 \$ 464,411,555.93

Analysis of Balance of Fixed Assets:

Land	58,534,862.59	
Easement-Land	950,000.00	
Plants	217,937,498.89	
Main and Lines	129,814,557.89	
Pump Stations	39,816,135.71	
Office Equipment	207,161.89	
Trucks and Vehicles	1,306,314.14	
Construction in Progress	<u>15,845,024.82</u>	
		<u>\$ 464,411,555.93</u>

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
ANALYSIS OF CURRENT ACCOUNTS PAYABLE  
FROM UNRESTRICTED ASSETS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 8

Balance January 31, 2018		\$ 857,514.01
Add:		
Unemployment		
Health Benefits	15,444.48	
Engineering	9,937.98	
Legal	43,244.61	
Audit	42,000.00	
Financial Advisor	3,824.00	
Accounting	10,560.00	
Grant Management Services	9,350.00	
Office Administrative	9,317.18	
Refunds	45.18	
Phone	362.43	
Utilities	309,382.20	
Pass Through- Adams and River Road Plant	47,939.12	
Corrective Maintenance - Adams and River Road Plant	53,970.56	
Miscellaneous Repairs - Hoboken	34,056.32	
Miscellaneous Repairs- Union City	35,739.14	
Miscellaneous Repairs - Weehawken	8,512.02	
Pension Payable	69,887.00	
Payroll Taxes / Pension Withholding	4,850.29	
	708,422.51	1,565,936.52
Deduct:		
Payments / Adj. Payroll	4,596.98	
Payments - Operating	852,917.03	
	857,514.01	857,514.01
Balance January 31, 2019		\$ 708,422.51

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE # 6)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 9

<u>Description</u>	<u>Dated</u> <u>Date</u>	<u>Original</u> <u>Amount</u>	<u>Maturities</u>		
			<u>Rate</u>	<u>Date</u>	<u>Amount</u>
Series 2012A					
Tax Exempt Fixed Rate Refunding Certificates	05/18/2012	\$163,410,000.00			
			Tax Exempt Serial Bonds		
			5.00%	06/01/2019	3,250,000.00
			5.00%	06/01/2020	3,760,000.00
			5.00%	06/01/2021	3,955,000.00
			5.00%	06/01/2022	3,805,000.00
			5.00%	06/01/2023	1,780,000.00
			5.00%	06/01/2024	2,375,000.00
			5.00%	06/01/2025	2,625,000.00
			5.00%	06/01/2026	2,930,000.00
			5.00%	06/01/2027	3,295,000.00
			5.00%	06/01/2028	3,225,000.00
			5.00%	06/01/2029	3,335,000.00
			4.00%	06/01/2030	3,865,000.00
			5.00%	06/01/2031	4,285,000.00
			4.00%	06/01/2032	6,195,000.00
					<u>\$ 48,680,000.00</u>
			Tax-Exempt -Term		
			5.00%	06/01/2033	6,605,000.00
			5.00%	06/01/2034	6,940,000.00
			5.00%	06/01/2035	7,290,000.00
			5.00%	06/01/2036	7,665,000.00
			5.00%	06/01/2037	8,055,000.00
			5.00%	06/01/2038	8,460,000.00
			5.00%	06/01/2039	8,890,000.00
			5.00%	06/01/2040	9,345,000.00
			5.00%	06/01/2041	9,815,000.00
			5.00%	06/01/2042	10,310,000.00
					<u>\$ 83,375,000.00</u>

See independent auditor's report and notes to the financial statements



THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE # 6)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 9

<u>Description</u>	<u>Dated</u> <u>Date</u>	<u>Original</u> <u>Amount</u>	<u>Maturities</u>	
			<u>Rate</u>	<u>Date</u> <u>Amount</u>
Series 2012 B				
Taxable Fixed Rate				
			3.738%	06/01/2020 100,000.00
			3.938%	06/01/2021 540,000.00
			4.138%	06/01/2022 1,045,000.00
			5.246%	06/01/2023 3,795,000.00
			5.246%	06/01/2024 4,005,000.00
			5.246%	06/01/2025 4,220,000.00
			5.246%	06/01/2026 4,450,000.00
			5.246%	06/01/2027 4,695,000.00
			5.246%	06/01/2028 4,950,000.00
			5.246%	06/01/2029 5,220,000.00
			5.246%	06/01/2030 5,500,000.00
			5.246%	06/01/2031 5,800,000.00
			5.246%	06/01/2032 6,115,000.00
			5.396%	06/01/2033 6,455,000.00
			5.396%	06/01/2034 6,815,000.00
			5.396%	06/01/2035 7,200,000.00
			5.396%	06/01/2036 7,600,000.00
			5.396%	06/01/2037 8,025,000.00
			5.396%	06/01/2038 8,475,000.00
			5.396%	06/01/2039 8,950,000.00
			5.396%	06/01/2040 9,450,000.00
			5.396%	06/01/2041 9,980,000.00
			5.396%	06/01/2042 10,540,000.00
				<u>\$ 133,925,000.00</u>

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE # 6)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 9

<u>Description</u>	<u>Dated Date</u>	<u>Original Amount</u>	<u>Accreted Value at Maturity</u>	<u>Rate</u>	<u>Maturities Date</u>	<u>Amount</u>
Series 2012C						
Taxable Variable Rate						
Certificates						
	05/24/2012	\$40,000,000.00				
				3.500%	06/01/2019	\$ 2,000,000.00
				3.500%	06/01/2043	14,000,000.00
				3.500%	06/01/2044	20,000,000.00
						<u>\$ 36,000,000.00</u>
Total Senior Lien Certificates						\$ 301,980,000.00
 New Jersey Environmental Infrastructure						
Trust and Fund Loan (Per attached schedule)						
						50,052,915.01
Unamortized Premium on Bonds						10,901,330.03
Unamortized Gains on Refundings						1,339,203.31
Less:						
Deferred Bond Defeasance Costs						(35,824,478.93)
						<u>\$ 328,448,969.42</u>
 <u>Analysis</u>						
Current Portion			\$ 11,107,280.36			
Long Term Portion			<u>317,341,689.06</u>			
				<u>\$ 328,448,969.42</u>		

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
 SUPPORTING SCHEDULE OF LONG-TERM DEBT  
 (AS DESCRIBED IN NOTE #5)  
 FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 9

New Jersey Environmental Infrastructure Trust-2002

The Authority issued subordinated bonds of \$17,620,000.00 to the New Jersey Environmental Infrastructure Trust (the "Infrastructure Trust") and a \$16,201,400.00 subordinated bonds to the State of New Jersey pursuant to the Infrastructure Trust program. The bonds were issued to provide financing for the "Solids" and "Floatables" Removal Project. The bonds issued to the Infrastructure Trust bear interest at rates of 4.75% to 5.00%. The second bonds issued to the State are non-interest bearing.

The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) There was a loan refunding of \$1,160,000 during fiscal year 2019. As of January 31, 2019, the receivable balance was \$0 and the payable balance was \$7,704,763.90, respectively. The first three interest payments due 08/01/03, 2/1/04 and 8/1/04 were capitalized as part of fixed assets.

**New Jersey Environmental Infrastructure Trust**  
 Total Trust and Fund Loan Net Debt Service

Maturities					
Date	Principal	Interest	Fund Loan		
02/01/19		Prepaid	02/01/19	Prepaid	
08/01/19	970,000.00	121,937.50	08/01/19	822,408.27	
02/01/20		95,050.00	02/01/20	59,357.33	
08/01/20	1,020,000.00	95,050.00	08/01/20	839,964.11	
02/01/21		65,362.50	02/01/21	40,817.92	
08/01/21	1,075,000.00	65,362.50	08/01/21	858,893.83	
02/01/22		34,250.00	02/01/22	21,388.62	
08/01/22	1,120,000.00	34,250.00	08/01/22	876,933.82	
	<b>\$ 4,185,000.00</b>	<b>\$ 511,262.50</b>		<b>\$ 3,519,763.90</b>	

Principal on Trust and Fund Loans \$ 7,704,763.90

See independent auditor's report and notes to the financial statements

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

New Jersey Environmental Infrastructure Trust - 2004

The Authority issued subordinated bonds of \$4,290,000.00 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and 11,645,148.00 subordinated bonds to the State of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the "Solids" and "Floatables" Removal Project. The bonds issued to the Infrastructure Trust bear interest at rates of 3.00% to 5.50%. The second bonds issued to the State are non-interest bearing.

The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) \$159,319.00 was de-obligated during fiscal year 2017. As January 31, 2019, the accounts receivable balance was 0, and the payable balance was \$2,486,344.30, respectively. Interest payments were capitalized as part of fixed assets in the amount of \$193,051.26.

**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

Date	Trust Loan Agreement		Fund Loan	
	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	265,000.00	25,300.00	8/1/2019	559,741.00
2/1/2020		18,012.50	2/1/2020	76,186.04
8/1/2020	280,000.00	18,012.50	8/1/2020	573,437.61
2/1/2021		10,312.50	2/1/2021	62,511.62
8/1/2021	295,000.00	10,312.50	8/1/2021	294,468.03
2/1/2022		2,200.00		
8/1/2022	80,000.00	2,200.00		
2/1/2023				
8/1/2023				
2/1/2024				
8/1/2024				
	<b>\$920,000.00</b>	<b>\$86,350.00</b>		<b>\$1,566,344.30</b>

Principal on Trust and Fund Loans

\$2,486,344.30

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust - 2005

The Authority issued subordinated bonds of \$2,360,000.00 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$6,038,809.00 subordinated bonds to the State of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the "Solids" and "Floatables" Removal Project. The bonds issued to the Infrastructure Trust bear interest at rates of 4.50% to 4.70%. The second bonds issued to the State are non-interest bearing.

The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) As January 31, 2019, the receivable balance was \$341,513.00 and the payable balance was \$3,444,406.17, respectively. Interest payments were capitalized as part of fixed assets in the amount of \$105,772.50.

Date	Trust Loan Agreement		Fund Loan	
	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	140,000.00	26,362.50	8/1/2019	286,950.62
2/1/2020		23,212.50	2/1/2020	40,038.11
8/1/2020	150,000.00	23,212.50	8/1/2020	298,765.86
2/1/2021		19,837.50	2/1/2021	34,216.74
8/1/2021	155,000.00	19,837.50	8/1/2021	301,568.74
2/1/2022		16,272.50	2/1/2022	28,067.64
8/1/2022	160,000.00	16,272.50	8/1/2022	304,043.90
2/1/2023		12,572.50	2/1/2023	21,685.69
8/1/2023	170,000.00	12,572.50	8/1/2023	314,910.47
2/1/2024		8,577.50	2/1/2024	14,794.91
8/1/2024	180,000.00	8,577.50	8/1/2024	325,268.20
2/1/2025		4,347.50	2/1/2025	7,498.79
8/1/2025	185,000.00	4,347.50	8/1/2025	326,596.50
	<u>\$1,140,000.00</u>	<u>\$196,002.50</u>		<u>\$2,304,406.17</u>

Principal on Trust and Fund Loans:

\$3,444,406.17

See independent auditor's report and notes to the financial statements

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust - 2006

The Authority issued subordinated bonds of \$2,515,000.00 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$6,744,477.00 subordinated bonds to the State of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the "Solids" and "Floatables" Removal Project. The bonds issued to the Infrastructure Trust bear interest at rates of 4.00% to 5.00%. The second bonds issued to the State are non-interest bearing.

The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) \$241,203.11 was de-obligated during fiscal year 2015. There was a loan refunding of \$ 26,690.55 during fiscal year 2019. As January 31, 2019, the receivable balance was \$0 and the payable balance was \$4,081,096.32, respectively. Interest payments were capitalized as part of fixed assets in the amount of \$201,112.58.

Date	Trust Loan Agreement		Fund Loan	
	Principal	Interest	Date	Semiannual Principal
2/1/2019		24,496.88	2/1/2019	Prepaid
8/1/2019	129,070.42	24,496.88	8/1/2019	318,608.27
2/1/2020		21,596.88	2/1/2020	47,786.37
8/1/2020	137,924.61	21,596.88	8/1/2020	331,609.19
2/1/2021		18,496.88	2/1/2021	42,109.92
8/1/2021	142,401.18	18,496.88	8/1/2021	335,088.31
2/1/2022		15,196.88	2/1/2022	36,067.24
8/1/2022	146,697.80	15,196.88	8/1/2022	338,201.20
2/1/2023		11,793.75	2/1/2023	29,835.72
8/1/2023	150,949.24	11,793.75	8/1/2023	341,125.26
2/1/2024		8,181.25	2/1/2024	23,220.82
8/1/2024	153,309.45	8,181.25	8/1/2024	352,821.51
2/1/2025		8,181.25	2/1/2025	14,980.80
8/1/2025	168,267.01	8,181.25	8/1/2025	362,892.64
2/1/2026		4,143.75	2/1/2026	7,587.68
8/1/2026	172,318.40	4,143.75	8/1/2026	298,223.28
	<u>\$1,200,938.11</u>	<u>\$224,175.04</u>		<u>\$2,880,158.21</u>

Principal on Trust and Fund Loans:

\$4,081,096.32

See independent auditor's report and notes to the financial statements

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust - 2008

The Authority issued subordinated bonds of \$9,500,000.00 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$24,500,000.00 subordinated bonds to the State of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the "2008 Capital Improvement Program." The bonds issued to the Infrastructure Trust bear interest at rates of 5.00% to 5.50%. The second bonds issued to the State are non-interest bearing. The loan agreement was amended in 2009 and the bonds were reduced to \$4,097,176 for the "Infrastructure Trust" portion and \$8,334,027 for the "Fund" portion.

The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) \$17,824 and \$1,446,263 was de-obligated during fiscal year 2016 and 2017, respectively. As January 31, 2019, the receivable balance was \$0 and the payable balance was \$ 469,000.00, respectively. Capitalized interest from the 2014 loan defeasance was \$903,146 and was recorded in fiscal year 2018 as an adjustment to the receivable.

Date	Trust Loan Agreement		Fund Loan	
	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid		
8/1/2019	251,000.00	11,725.00		
2/1/2020		5,450.00		
8/1/2020	218,000.00	5,450.00		
	<u>469,000.00</u>	<u>\$22,625.00</u>		<u>\$0.00</u>

Principal on Trust and Fund Loans: \$469,000.00

See independent auditor's report and notes to the financial statements

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust – 2009

The Authority issued subordinated bonds of \$2,895,000 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$8,323,500 subordinated bonds to the State of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the "Solids" and "Floatables" Removal Project. The bonds issued to the Infrastructure Trust bear interest at rates of 3.40% to 5.00%. The second bonds issued to the State are non-interest bearing.

The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) There was a loan refunding of \$98,000 during fiscal year 2018. As January 31, 2019, the receivable balance was \$0 and the payable balance was \$6,603,285.84, respectively.

Trust Loan Agreement			Fund Loan	
Date	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	137,000.00	36,940.00	8/1/2019	297,267.85
2/1/2020		34,200.00	2/1/2020	148,633.92
8/1/2020	142,000.00	34,200.00	8/1/2020	297,267.85
2/1/2021		31,360.00	2/1/2021	148,633.92
8/1/2021	147,000.00	31,360.00	8/1/2021	297,267.85
2/1/2022		28,420.00	2/1/2022	148,633.92
8/1/2022	156,000.00	28,420.00	8/1/2022	297,267.85
2/1/2023		25,300.00	2/1/2023	148,633.92
8/1/2023	161,000.00	25,300.00	8/1/2023	297,267.85
2/1/2024		22,080.00	2/1/2024	148,633.92
8/1/2024	166,000.00	22,080.00	8/1/2024	297,267.85
2/1/2025		18,760.00	2/1/2025	148,633.92
8/1/2025	171,000.00	18,760.00	8/1/2025	297,267.85
2/1/2026		15,340.00	2/1/2026	148,633.92
8/1/2026	181,000.00	15,340.00	8/1/2026	297,267.85
2/1/2027		11,720.00	2/1/2027	148,633.92
8/1/2027	186,000.00	11,720.00	8/1/2027	297,267.85
2/1/2028		8,000.00	2/1/2028	148,633.92
8/1/2028	195,000.00	8,000.00	8/1/2028	297,267.85
2/1/2029		4,100.00	2/1/2029	148,633.92
8/1/2029	205,000.00	4,100.00	8/1/2029	297,268.14
	<u>\$1,847,000.00</u>	<u>\$435,500.00</u>		<u>\$4,756,285.84</u>

Principal on Trust and Fund Loans:

\$6,603,285.84

See independent auditor's report and notes to the financial statements



NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust – 2010 (13A)

The Authority issued subordinated bonds of \$5,715,000 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$11,552,703 subordinated bonds to the State of New Jersey pursuant to the Infrastructure Trust Program-Winter Pool ARRA Loans. The bonds were issued to provide financing for the "Construction of a H1Solids/Floatables Screening and Wet Weather Pump Station." The bonds issued to the Infrastructure Trust bear interest at rates of 3.50% to 5.00%. The second bonds issued to the State are non-interest bearing

The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) \$769,482.00, and \$475,000 was de-obligated during fiscal year 2015 and 2016, respectively. There was a loan refunding of \$ 183,000 during fiscal year 2018. As January 31, 2019, the receivable balance was \$0 and the payable balance was \$9,413,564.32, respectively.

Date	Trust Loan Agreement		Fund Loan	
	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	280,000.00	66,740.00	8/1/2019	427,877.88
2/1/2020		61,140.00	2/1/2020	213,938.94
8/1/2020	294,000.00	61,140.00	8/1/2020	427,877.88
2/1/2021		55,260.00	2/1/2021	213,938.94
8/1/2021	305,000.00	55,260.00	8/1/2021	427,877.88
2/1/2022		49,160.00	2/1/2022	213,938.94
8/1/2022	317,000.00	49,160.00	8/1/2022	427,877.88
2/1/2023		42,820.00	2/1/2023	213,938.94
8/1/2023	327,000.00	42,820.00	8/1/2023	427,877.88
2/1/2024		36,280.00	2/1/2024	213,938.94
8/1/2024	341,000.00	36,280.00	8/1/2024	427,877.88
2/1/2025		29,460.00	2/1/2025	213,938.94
8/1/2025	355,000.00	29,460.00	8/1/2025	427,877.88
2/1/2026		22,360.00	2/1/2026	213,938.94
8/1/2026	370,000.00	22,360.00	8/1/2026	427,877.88
2/1/2027		14,960.00	2/1/2027	213,938.94
8/1/2027	386,000.00	14,960.00	8/1/2027	427,877.88
2/1/2028		7,240.00	2/1/2028	213,938.94
8/1/2028	362,000.00	7,240.00	8/1/2028	300,212.94
	<b>\$3,337,000.00</b>	<b>\$704,100.00</b>		<b>\$6,076,564.32</b>

Principal on Trust and Fund Loans:

\$9,413,564.32

See independent auditor's report and notes to the financial statements

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust – 2010 (13B)

The Authority issued subordinated bonds of \$1,555,000 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$4,494,913 subordinated bonds to the State of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the 18<sup>th</sup> Street Pumping Station Force Main and Outfall Project. The bonds issued to the Infrastructure Trust bear interest at rates of 3.50% to 5.00%. The second bonds issued to the State are non-interest bearing.

The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) \$1,259,772.00, and \$385,000 was de-obligated during fiscal year 2015 and 2016, respectively. There was a loan refunding of \$33,000 during fiscal year 2018. As January 31, 2019, the receivable balance was \$0 and the payable balance was \$2,075,880.29, respectively.

Date	Trust Loan Agreement		Fund Loan	
	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	80,000.00	13,440.00	8/1/2019	166,478.25
2/1/2020		11,840.00	2/1/2020	83,239.12
8/1/2020	85,000.00	11,840.00	8/1/2020	166,478.25
2/1/2021		10,140.00	2/1/2021	83,239.12
8/1/2021	85,000.00	10,140.00	8/1/2021	166,478.25
2/1/2022		8,440.00	2/1/2022	83,239.12
8/1/2022	86,000.00	8,440.00	8/1/2022	166,478.25
2/1/2023		6,720.00	2/1/2023	83,239.12
8/1/2023	90,000.00	6,720.00	8/1/2023	166,478.25
2/1/2024		4,920.00	2/1/2024	83,239.12
8/1/2024	95,000.00	4,920.00	8/1/2024	155,293.44
2/1/2025		3,020.00	2/1/2025	
8/1/2025	95,000.00	3,020.00	8/1/2025	
2/1/2026		1,120.00	2/1/2026	
8/1/2026	56,000.00	1,120.00	8/1/2026	
	<b>\$672,000.00</b>	<b>\$105,840.00</b>		<b>1,403,880.29</b>

Principal on Trust and Fund Loans: \$2,075,880.29

See independent auditor's report and notes to the financial statements

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust –2010 (14,15,16)

The Authority issued subordinated bonds of \$2,900,000 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$1,506,332 subordinated bonds to the of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the rehabilitation of various collection system manholes and sewer piping in WNY, replacement of piping supports within the existing Purac Building at the Adams St. WWTP, & River Road WWTP Trickling Filter Upgrade.

The bonds issued to the Infrastructure Trust bear interest at rates of 3.40% to 5.00%. The second bonds issued to the State are non-interest bearing. The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) \$286,991.00 and \$566,336 was de-obligated during fiscal year 2015 and 2017, respectively. As January 31, 2019, the receivable balance was \$0 and the payable balance was \$2,201,613.79 respectively.

Trust Loan Agreement			Fund Loan	
Date	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	135,000.00	36,652.50	8/1/2019	52,853.75
2/1/2020		33,277.50	2/1/2020	26,426.87
8/1/2020	98,000.00	33,277.50	8/1/2020	52,853.75
2/1/2021		30,827.50	2/1/2021	26,426.87
8/1/2021	105,000.00	30,827.50	8/1/2021	52,853.75
2/1/2022		28,202.50	2/1/2022	26,426.87
8/1/2022	108,000.00	28,202.50	8/1/2022	52,853.75
2/1/2023		25,502.50	2/1/2023	26,426.87
8/1/2023	112,000.00	25,502.50	8/1/2023	52,853.75
2/1/2024		22,702.50	2/1/2024	26,426.87
8/1/2024	119,000.00	22,702.50	8/1/2024	52,853.75
2/1/2025		19,727.50	2/1/2025	26,426.87
8/1/2025	126,000.00	19,727.50	8/1/2025	52,853.75
2/1/2026		16,577.50	2/1/2026	26,426.87
8/1/2026	133,000.00	16,577.50	8/1/2026	52,853.75
2/1/2027		13,252.50	2/1/2027	26,426.87
8/1/2027	140,000.00	13,252.50	8/1/2027	42,368.83
2/1/2028		10,102.50	2/1/2028	
8/1/2028	142,000.00	10,102.50	8/1/2028	
2/1/2029		6,907.50	2/1/2029	
8/1/2029	149,000.00	6,907.50	2/1/2030	
2/1/2029		3,555.00		
8/1/2029	158,000.00	3,555.00		
	<u>\$1,525,000.00</u>	<u>\$457,922.50</u>		<u>\$676,613.79</u>

Principal on Trust and Fund Loans: \$2,201,613.79

See independent auditor's report and notes to the financial statements

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust -2012

The Authority issued subordinated bonds of \$835,000.00 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$913,400.00 subordinated bonds to the of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the replacing of equipment at two, Adams Street and River Road, wastewater treatment plants (WWTPs) and site repairs, Phase I, at Adams Street WWTP.

The bonds issued to the Infrastructure Trust bear interest at rates of 2.00% to 5.00%. The second bonds issued to the State are non-interest bearing. The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) As January 31, 2019, the receivable balance was \$0 and the payable balance was \$1,233,291.58, respectively.

Trust Loan Agreement			Fund Loan	
Date	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	35,000.00	13,397.50	8/1/2019	30,962.71
2/1/2020		12,522.50	2/1/2020	15,481.35
8/1/2020	40,000.00	12,522.50	8/1/2020	30,962.71
2/1/2021		11,522.50	2/1/2021	15,481.35
8/1/2021	40,000.00	11,522.50	8/1/2021	30,962.71
2/1/2022		10,522.50	2/1/2022	15,481.35
8/1/2022	45,000.00	10,522.50	8/1/2022	30,962.71
2/1/2023		9,397.50	2/1/2023	15,481.35
8/1/2023	45,000.00	9,397.50	8/1/2023	30,962.71
2/1/2024		8,272.50	2/1/2024	15,481.35
8/1/2024	50,000.00	8,272.50	8/1/2024	30,962.71
2/1/2025		7,022.50	2/1/2025	15,481.35
8/1/2025	50,000.00	7,022.50	8/1/2025	30,962.71
2/1/2026		5,772.50	2/1/2026	15,481.35
8/1/2026	50,000.00	5,772.50	8/1/2026	30,962.71
2/1/2027		4,522.50	2/1/2027	15,481.35
8/1/2027	55,000.00	4,522.50	8/1/2027	30,962.71
2/1/2028		3,697.50	2/1/2028	15,481.35
8/1/2028	55,000.00	3,697.50	8/1/2028	30,962.71
2/1/2029		2,872.50	2/1/2029	15,481.35
8/1/2029	60,000.00	2,872.50	8/1/2029	30,962.71
2/1/2030		1,935.00	2/1/2030	15,481.35
8/1/2030	60,000.00	1,935.00	8/1/2030	30,962.71
2/1/2031		975.00	2/1/2031	15,481.35
8/1/2031	60,000.00	975.00	8/1/2031	30,962.86
	<b>\$645,000.00</b>	<b>\$171,467.50</b>		<b>\$588,291.58</b>

Principal on Trust and Fund Loans: \$1,233,291.58

See independent auditor's report and notes to the financial statements

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
New Jersey Environmental Infrastructure Trust  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust –2013 (12-1)

The Authority issued subordinated bonds of \$910,000.00 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$2,814,289.00 subordinated bonds to the of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the replacing of equipment at two, Adams Street and River Road, wastewater treatment plants (WWTPs) and site repairs, Phase I, at Adams Street WWTP.

The bonds issued to the Infrastructure Trust bear interest at rates of 2.00% to 5.00%. The second bonds issued to the State are non-interest bearing. The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) \$1,498,000 has been de-obligated during fiscal year 2016. As January 31, 2019, the receivable balance was \$0 and the payable balance was \$1,250,342.16, respectively.

Trust Loan Agreement			Fund Loan	
Date	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	40,000.00	7,350.00	8/1/2019	98,746.98
2/1/2020		6,550.00	2/1/2020	49,373.49
8/1/2020	40,000.00	6,550.00	8/1/2020	98,746.98
2/1/2021		5,750.00	2/1/2021	49,373.49
8/1/2021	45,000.00	5,750.00	8/1/2021	98,746.98
2/1/2022		4,850.00	2/1/2022	49,373.49
8/1/2022	45,000.00	4,850.00	8/1/2022	98,746.98
2/1/2023		3,950.00	2/1/2023	49,373.49
8/1/2023	45,000.00	3,950.00	8/1/2023	98,746.98
2/1/2024		2,825.00	2/1/2024	49,373.49
8/1/2024	50,000.00	2,825.00	8/1/2024	98,746.98
2/1/2025		1,575.00	2/1/2025	40,992.83
8/1/2025	50,000.00	1,575.00		
2/1/2026		825.00		
8/1/2026	55,000.00	825.00		
	<u>\$370,000.00</u>	<u>\$60,000.00</u>		<u>\$880,342.16</u>
Principal on Trust and Fund Loans:		\$1,250,342.16		

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust –2015 (20)

The Authority issued subordinated bonds of \$1,105,000 to the New Jersey Environmental Infrastructure Trust (“Infrastructure Trust”) and \$3,325,000 subordinated bonds to the of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the replacing of the electrical switchgear (includes electrical feeder, and emergency generator’s automatic transfer switch) at two separate locations: The River Road and Adams Street Wastewater Treatment Plants. The project also consists of instrumental and control upgrades to the PURAC system at the Adams Street Wastewater Treatment Plant.

The bonds issued to the Infrastructure Trust bear interest at rates of 2.00% to 5.00%. The second bonds issued to the State are non-interest bearing. The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) As January 31, 2019, the receivable balance was \$786,348 and the payable balance was \$3,974,028.32, respectively.

Trust Loan Agreement			Fund Loan	
Date	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	45,000.00	22,600.00	8/1/2019	125,490.56
2/1/2020		21,475.00	2/1/2020	62,745.28
8/1/2020	45,000.00	21,475.00	8/1/2020	125,490.56
2/1/2021		20,350.00	2/1/2021	62,745.28
8/1/2021	50,000.00	20,350.00	8/1/2021	125,490.56
2/1/2022		19,100.00	2/1/2022	62,745.28
8/1/2022	50,000.00	19,100.00	8/1/2022	125,490.56
2/1/2023		17,850.00	2/1/2023	62,745.28
8/1/2023	55,000.00	17,850.00	8/1/2023	125,490.56
2/1/2024		16,475.00	2/1/2024	62,745.28
8/1/2024	55,000.00	16,475.00	8/1/2024	125,490.56
2/1/2025		15,100.00	2/1/2025	62,745.28
8/1/2025	60,000.00	15,100.00	8/1/2025	125,490.56
2/1/2026		13,600.00	2/1/2026	62,745.28
8/1/2026	60,000.00	13,600.00	8/1/2026	125,490.56
2/1/2027		12,100.00	2/1/2027	62,745.28
8/1/2027	65,000.00	12,100.00	8/1/2027	125,490.56
2/1/2028		10,800.00	2/1/2028	62,745.28
8/1/2028	70,000.00	10,800.00	8/1/2028	125,490.56
2/1/2029		9,400.00	2/1/2029	62,745.28
8/1/2029	70,000.00	9,400.00	8/1/2029	125,490.56
2/1/2030		8,000.00	2/1/2030	62,745.28
8/1/2030	75,000.00	8,000.00	8/1/2030	125,490.56
2/1/2031		6,500.00	2/1/2031	62,745.28
8/1/2031	75,000.00	6,500.00	8/1/2031	125,490.56
2/1/2032		5,000.00	2/1/2032	62,745.28
8/1/2032	80,000.00	5,000.00	8/1/2032	125,490.56
2/1/2033		3,400.00	2/1/2033	62,745.28
8/1/2033	85,000.00	3,400.00	8/1/2033	125,490.56
2/1/2034		1,700.00	2/1/2034	62,745.28
8/1/2034	85,000.00	1,700.00	8/1/2034	125,490.72
	<b>\$1,025,000.00</b>	<b>\$384,300.00</b>		<b>\$2,949,028.32</b>
Principal on Trust and Fund Loans:		\$3,974,028.32		

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust –2016(19):

The Authority issued subordinated bonds of \$1,041,599 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$3,124,796 subordinated bonds to the of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for the repair/upgrades of ten combined sewer regulators in Weehawken, Hoboken, and West New York municipalities. The project also includes siphon improvements to isolate, dewater, clean, and line the 12 inch barrel along Park Ave.

The bonds issued to the Infrastructure Trust bear interest at rates of 2.00% to 5.00%. The second bonds issued to the State are non-interest bearing. The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) \$817,000.00 was approved as principal forgiveness and de-obligated during fiscal year 2017. There was a premium allotted with permanent financing of loan during fiscal year 2018 in the amount of \$133,605. As of January 31, 2019, the receivable balance was \$0 and the payable balance was \$3,168,118.68, respectively.

Trust Loan Agreement			Fund Loan	
Date	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	35,000.00	21,675.00	8/1/2019	81,627.11
2/1/2020		20,975.00	2/1/2020	40,813.55
8/1/2020	40,000.00	20,975.00	8/1/2020	81,627.11
2/1/2021		19,975.00	2/1/2021	40,813.55
8/1/2021	40,000.00	19,975.00	8/1/2021	81,627.11
2/1/2022		18,975.00	2/1/2022	40,813.55
8/1/2022	45,000.00	18,975.00	8/1/2022	81,627.11
2/1/2023		17,850.00	2/1/2023	40,813.55
8/1/2023	45,000.00	17,850.00	8/1/2023	81,627.11
2/1/2024		16,725.00	2/1/2024	40,813.55
8/1/2024	45,000.00	16,725.00	8/1/2024	81,627.11
2/1/2025		15,600.00	2/1/2025	40,813.55
8/1/2025	50,000.00	15,600.00	8/1/2025	81,627.11
2/1/2026		14,350.00	2/1/2026	40,813.55
8/1/2026	50,000.00	14,350.00	8/1/2026	81,627.11
2/1/2027		13,100.00	2/1/2027	40,813.55
8/1/2027	55,000.00	13,100.00	8/1/2027	81,627.11
2/1/2028		12,000.00	2/1/2028	40,813.55
8/1/2028	55,000.00	12,000.00	8/1/2028	81,627.11
2/1/2029		10,900.00	2/1/2029	40,813.55
8/1/2029	60,000.00	10,900.00	8/1/2029	81,627.11
2/1/2030		9,700.00	2/1/2030	40,813.55
8/1/2030	60,000.00	9,700.00	8/1/2030	81,627.11
2/1/2031		8,500.00	2/1/2031	40,813.55
8/1/2031	65,000.00	8,500.00	8/1/2031	81,627.11
2/1/2032		7,200.00	2/1/2032	40,813.55
8/1/2032	65,000.00	7,200.00	8/1/2032	81,627.11
2/1/2033		5,900.00	2/1/2033	40,813.55
8/1/2033	70,000.00	5,900.00	8/1/2033	81,627.11
2/1/2034		4,500.00	2/1/2034	40,813.55
8/1/2034	70,000.00	4,500.00	8/1/2034	81,627.11
2/1/2035		3,100.00	2/1/2035	40,813.55
8/1/2035	75,000.00	3,100.00	8/1/2035	81,627.11
2/1/2036		1,600.00	2/1/2036	40,813.55
8/1/2036	80,000.00	1,600.00	8/1/2036	81,627.46
	<u>\$1,005,000.00</u>	<u>\$423,575.00</u>		<u>\$2,163,118.68</u>
Principal on Trust and Fund Loans:		\$3,168,118.68		

NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
**New Jersey Environmental Infrastructure Trust**  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust –2016(26)

The Authority issued subordinated bonds of \$200,000 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$624,610 subordinated bonds to the of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide financing for River Road WWTP improvements which consist of replacement of two existing micro-strainers, grating and steel plates, and, four existing 2,500 gallon hypochlorite tanks and the associated improvements in the chlorination building.

The bonds issued to the Infrastructure Trust bear interest at rates of 2.00% to 5.00%. The second bonds issued to the State are non-interest bearing. The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) There was a premium allotted with permanent financing of loan during fiscal year 2018 in the amount of \$8,203. As of January 31, 2019, the receivable balance was \$0 and the payable balance was \$756,090.34, respectively.

Trust Loan Agreement			Fund Loan	
Date	Principal	Interest	Date	Semiannual Principal
2/1/2019		Prepaid	2/1/2019	Prepaid
8/1/2019	5,000.00	4,250.00	8/1/2019	21,173.22
2/1/2020		4,150.00	2/1/2020	10,586.61
8/1/2020	10,000.00	4,150.00	8/1/2020	21,173.22
2/1/2021		3,900.00	2/1/2021	10,586.61
8/1/2021	10,000.00	3,900.00	8/1/2021	21,173.22
2/1/2022		3,650.00	2/1/2022	10,586.61
8/1/2022	10,000.00	3,650.00	8/1/2022	21,173.22
2/1/2023		3,400.00	2/1/2023	10,586.61
8/1/2023	10,000.00	3,400.00	8/1/2023	21,173.22
2/1/2024		3,150.00	2/1/2024	10,586.61
8/1/2024	10,000.00	3,150.00	8/1/2024	21,173.22
2/1/2025		2,900.00	2/1/2025	10,586.61
8/1/2025	10,000.00	2,900.00	8/1/2025	21,173.22
2/1/2026		2,650.00	2/1/2026	10,586.61
8/1/2026	10,000.00	2,650.00	8/1/2026	21,173.22
2/1/2027		2,400.00	2/1/2027	10,586.61
8/1/2027	10,000.00	2,400.00	8/1/2027	21,173.22
2/1/2028		2,200.00	2/1/2028	10,586.61
8/1/2028	10,000.00	2,200.00	8/1/2028	21,173.22
2/1/2029		2,000.00	2/1/2029	10,586.61
8/1/2029	10,000.00	2,000.00	8/1/2029	21,173.22
2/1/2030		1,800.00	2/1/2030	10,586.61
8/1/2030	10,000.00	1,800.00	8/1/2030	21,173.22
2/1/2031		1,600.00	2/1/2031	10,586.61
8/1/2031	10,000.00	1,600.00	8/1/2031	21,173.22
2/1/2032		1,400.00	2/1/2032	10,586.61
8/1/2032	15,000.00	1,400.00	8/1/2032	21,173.22
2/1/2033		1,100.00	2/1/2033	10,586.61
8/1/2033	15,000.00	1,100.00	8/1/2033	21,173.22
2/1/2034		800.00	2/1/2034	10,586.61
8/1/2034	15,000.00	800.00	8/1/2034	21,173.22
2/1/2035		500.00	2/1/2035	10,586.61
8/1/2035	15,000.00	500.00	8/1/2035	21,173.22
2/1/2036		200.00	2/1/2036	10,586.61
8/1/2036	10,000.00	200.00	8/1/2036	21,173.23
	<b>\$195,000.00</b>	<b>\$79,850.00</b>		<b>\$561,090.34</b>
Principal on Trust and Fund Loans:		\$756,090.34		



NORTH HUDSON SEWERAGE AUTHORITY  
SUPPORTING SCHEDULE OF LONG-TERM DEBT  
(AS DESCRIBED IN NOTE #5)  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019  
New Jersey Environmental Infrastructure Trust  
Total Trust and Fund Loan Net Debt Service

New Jersey Environmental Infrastructure Trust -2018 (28)

The Authority issued subordinated bonds of \$300,000 to the New Jersey Environmental Infrastructure Trust ("Infrastructure Trust") and \$891,089 subordinated bonds to the of New Jersey pursuant to the Infrastructure Trust Program. The bonds were issued to provide for collection system improvements.

The bonds issued to the Infrastructure Trust bear interest at rates of 2.00% to 5.00%. The second bonds issued to the State are non-interest bearing. The loan has been recorded on the balance sheet of the Authority as an account receivable (due from the Infrastructure Trust) with a corresponding account payable (Infrastructure Trust loan payable.) As of January 31, 2019, the receivable balance was \$134,875 and the payable balance was \$1,191,089, respectively.

Trust Loan Agreement			Fund Loan	
Date	Principal	Interest	Date	Semiannual Principal
8/1/2019		9,406.67	8/1/2019	20,024.47
2/1/2020		6,225.00	2/1/2020	10,012.23
8/1/2020	5,000.00	6,225.00	8/1/2020	20,024.47
2/1/2021		6,100.00	2/1/2021	10,012.23
8/1/2021	5,000.00	6,100.00	8/1/2021	20,024.47
2/1/2022		5,975.00	2/1/2022	10,012.23
8/1/2022	5,000.00	5,975.00	8/1/2022	20,024.47
2/1/2023		5,850.00	2/1/2023	10,012.23
8/1/2023	5,000.00	5,850.00	8/1/2023	20,024.47
2/1/2024		5,725.00	2/1/2024	10,012.23
8/1/2024	5,000.00	5,725.00	8/1/2024	20,024.47
2/1/2025		5,600.00	2/1/2025	10,012.23
8/1/2025	5,000.00	5,600.00	8/1/2025	20,024.47
2/1/2026		5,475.00	2/1/2026	10,012.23
8/1/2026	5,000.00	5,475.00	8/1/2026	20,024.47
2/1/2027		5,350.00	2/1/2027	10,012.23
8/1/2027	10,000.00	5,350.00	8/1/2027	20,024.47
2/1/2028		5,100.00	2/1/2028	10,012.23
8/1/2028	10,000.00	5,100.00	8/1/2028	20,024.47
2/1/2029		4,900.00	2/1/2029	10,012.23
8/1/2029	10,000.00	4,900.00	8/1/2029	20,024.47
2/1/2030		4,700.00	2/1/2030	10,012.23
8/1/2030	10,000.00	4,700.00	8/1/2030	20,024.47
2/1/2031		4,500.00	2/1/2031	10,012.23
8/1/2031	10,000.00	4,500.00	8/1/2031	20,024.47
2/1/2032		4,300.00	2/1/2032	10,012.23
8/1/2032	10,000.00	4,300.00	8/1/2032	20,024.47
2/1/2033		4,100.00	2/1/2033	10,012.23
8/1/2033	10,000.00	4,100.00	8/1/2033	20,024.47
2/1/2034		3,900.00	2/1/2034	10,012.23
8/1/2034	10,000.00	3,900.00	8/1/2034	20,024.47
2/1/2035		3,700.00	2/1/2035	10,012.23
8/1/2035	10,000.00	3,700.00	8/1/2035	20,024.47
2/1/2036		3,500.00	2/1/2036	10,012.23
8/1/2036	10,000.00	3,500.00	8/1/2036	20,024.47
2/1/2037		3,300.00	2/1/2037	10,012.23
8/1/2037	10,000.00	3,300.00	8/1/2037	20,024.47
2/1/2038		3,100.00	2/1/2038	10,012.23
8/1/2038	10,000.00	3,100.00	8/1/2038	20,024.47
2/1/2039		2,900.00	2/1/2039	10,012.23
8/1/2039	10,000.00	2,900.00	8/1/2039	20,024.47
2/1/2040		2,700.00	2/1/2040	10,012.23
8/1/2040	15,000.00	2,700.00	8/1/2040	20,024.47
2/1/2041		2,400.00	2/1/2041	10,012.23
8/1/2041	15,000.00	2,400.00	8/1/2041	20,024.47
2/1/2042		2,100.00	2/1/2042	10,012.23
8/1/2042	15,000.00	2,100.00	8/1/2042	20,024.47
2/1/2043		1,800.00	2/1/2043	10,012.23
8/1/2043	15,000.00	1,800.00	8/1/2043	20,024.47
2/1/2044		1,500.00	2/1/2044	10,012.23
8/1/2044	15,000.00	1,500.00	8/1/2044	20,024.47
2/1/2045		1,200.00	2/1/2045	10,012.23
8/1/2045	15,000.00	1,200.00	8/1/2045	20,024.47
2/1/2046		900.00	2/1/2046	10,012.23
8/1/2046	15,000.00	900.00	8/1/2046	20,024.47
2/1/2047		600.00	2/1/2047	10,012.23
8/1/2047	15,000.00	600.00	8/1/2047	20,024.47
2/1/2048		300.00	2/1/2048	10,012.23
8/1/2048	15,000.00	300.00	8/1/2048	20,024.47
2/1/2049				
8/1/2049				
	<b>\$300,000.00</b>	<b>\$225,006.67</b>		<b>\$891,089.00</b>
Principal on Trust and Fund Loans:		\$1,191,089.00		

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SCHEDULE OF DEFERRED OUTFLOWS OF RESOURCES  
LOSS ON DEFEASANCE/PREMIUM  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 10

	Total Deferred Costs	Accumulated Amortization: Through Jan. 31, 2018	Balance Jan. 31, 2018	Gain on NJEIT Loan Refunding/ Loss on Defeasance 2012 Lease Participation Certificates	Amortization Fiscal Year Ended Jan. 31, 2019 Unrestricted	Balance Jan. 31, 2019
Unamortized:						
2012 Lease Participation Certificates- Loss on Defeasance Refinance	\$ 81,484,818.14	\$ 41,977,027.53	\$ 39,507,790.61	\$ -	\$ 7,407,710.74	\$ 32,100,079.87
2012 Lease Participation Certificates- Loss on Defeasance	4,707,107.80	568,679.38	2,462,759.67	1,675,668.75	414,029.36	3,724,399.06
Unamortized Premium (2012 Lease Participation Certificates)	(12,770,101.10)	(2,008,139.75)	(11,331,645.69)		(430,315.66)	(10,901,330.03)
Gain on NJEIT Loan Refundings	(1,500,690.55)	(14,272.73)	(299,727.27)	(\$1,186,690.55) *	(147,214.51)	(1,339,203.31)
<b>Total</b>	<b>\$ 70,921,134.29</b>	<b>\$ 40,523,294.43</b>	<b>\$ 30,339,177.32</b>	<b>\$ 488,978.20</b>	<b>\$ 7,244,209.93</b>	<b>\$ 23,583,945.59</b>
	<u>Deferance Costs</u>	<u>Premiums</u>	<u>Gains</u>			
2012 Lease Participation Certificates- Refinance	\$ 32,100,079.87	\$ (10,901,330.03)				
2012 Lease Participation Certificates- Loss on Defeasance	3,724,399.06					
Gain NJEIT Loan Refundings	(1,339,203.31)					
	<b>\$ 35,824,478.93</b> *	<b>\$ (10,901,330.03)</b> *	<b>\$ (1,339,203.31)</b> *			

\* Note 5

See independent auditor's report and notes to the financial statements

NORTH HUDSON SEWERAGE AUTHORITY  
LAST TEN FISCAL YEARS ENDED JUNE 30,

Public Employees' Retirement System (PERS)

	Fiscal Year Ended June 30,									
	2018	2017	2016	2015	2014	2013	2011	2010	2009	2008
Authority's proportionate of the net pension liability (asset)	0.00703%	0.00642%	0.00630%	0.00612%	0.00361%	0.00363%				
Authority's proportionate share of the net pension liability (asset)	\$ 1,383,404	\$ 1,493,734	\$ 1,867,169	\$ 1,374,585	\$ 675,452	\$ 693,072				
Authority's covered employee payroll	\$ 513,943	\$ 451,513	\$ 438,486	\$ 425,223	\$ 320,165	\$ 253,006				
Authority's proportionate share of net pension liability (asset) as a percentage of its covered -employee payroll	269%	331%	426%	323%	211%	274%				
Plan fiduciary net position as a percentage of the total pension liability (Local)	53.60%	48.10%	40.14%	47.93%	52.08%	48.72%				

SCHEDULE OF AUTHORITY CONTRIBUTIONS

Public Employees' Retirement System (PERS)

	Fiscal Year Ended June 30,									
	2018	2017	2016	2015	2014	2013	2011	2010	2009	2008
Contractually required contribution*	\$ 69,887	\$ 59,445	\$ 56,007	\$ 52,645	\$ 29,741	\$ 27,324				
Contributions in relation to the contractually required contributions*	(69,887)	(59,445)	(56,007)	(52,645)	(29,741)	(27,324)				
Contributions deficiency (excess)										
Authority's covered employee payroll	\$ 513,943	\$ 451,513	\$ 438,486	\$ 425,223	\$ 320,165	\$ 253,006				
Contributions as a percentage of covered-employee payroll	13.60%	13.17%	12.77%	12.38%	9.29%	10.80%				

\* Until a full ten year trend is compiled, information will be presented for those years for which information is available.

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SCHEDULE OF BALANCE SHEET - TRUST FUNDS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 11

**Developers Escrow Fund**

Assets	
Cash	<u>\$ 9,611,057.41</u>
Liabilities and Fund Equity	
Reserve for Developers Escrow	<u>\$ 9,611,057.41</u>

**Unemployment Trust Fund**

Assets	
Cash	<u>\$ 107,585.45</u>
Liabilities and Fund Equity	
Reserve for Unemployment Insurance	<u>\$ 107,585.45</u>

**Defeased Escrow Fund**

Assets	
Cash	<u>\$ 142,394,137.79</u>
Liabilities and Fund Equity	
Reserve for Defeased Escrow	<u>\$ 142,394,137.79</u>

See independent auditor's report and notes to the financial statements

THE NORTH HUDSON SEWERAGE AUTHORITY  
COUNTY OF HUDSON, STATE OF NEW JERSEY  
SCHEDULE OF REVENUES AND EXPENDITURES - TRUST FUNDS  
FOR THE FISCAL YEAR ENDED JANUARY 31, 2019

Schedule 12

	<u>Developers Escrow Fund</u>	<u>Unemployment Trust Fund</u>	<u>Defeased Escrow Fund</u>	<u>Total</u>
Cash and Investments January 31, 2018	\$ 8,043,764.74	\$ 83,585.45	\$ 123,471,016.33	\$ 131,598,366.52
Receipts:				
Interest on Investments/Net Gains/Loss			581,109.63	581,109.63
Loan Proceeds- Defeasance 2012 (A)- Transferred from Operating Checking			20,424,911.34	20,424,911.34
Transfer from General Fund				
Transfer from Operating Checking		24,000.00		24,000.00
Developers Fees/Other	7,353,693.08			7,353,693.08
<b>Total Cash Receipts</b>	<u>7,353,693.08</u>	<u>24,000.00</u>	<u>21,006,020.97</u>	<u>28,383,714.05</u>
Cash Disbursements:				
Fees / Refunds	105,232.19			105,232.19
Debt Service for Defeased Bonds			2,082,899.51	2,082,899.51
Transfer to Revenue Account	3,256,256.88			3,256,256.88
Transfer to Operating Checking Account	2,424,911.34			2,424,911.34
<b>Total Cash Disbursements</b>	<u>5,786,400.41</u>	<u>0.00</u>	<u>2,082,899.51</u>	<u>7,869,299.92</u>
Cash and Investments January 31, 2019	<u>\$ 9,611,057.41</u>	<u>\$ 107,585.45</u>	<u>\$ 142,394,137.79</u>	<u>\$ 152,112,780.65</u>
<u>Balance Comprised of:</u>				
Reserve for Developers Escrow	\$ 9,611,057.41	\$ -	\$ -	\$ 9,611,057.41
Reserve for Unemployment Insurance		107,585.45		107,585.45
Reserve for Defeased Escrow Fund			142,394,137.79	142,394,137.79
	<u>\$ 9,611,057.41</u>	<u>\$ 107,585.45</u>	<u>\$ 142,394,137.79</u>	<u>\$ 152,112,780.65</u>

See independent auditor's report and notes to the financial statements

STATISTICAL SECTION

North Hudson Sewerage Authority  
Expenditures by Function  
Last Ten Fiscal Years

Fiscal Year Ended January 31,	Administration		Cost of Providing Services	Interest on Debt	Depreciation and Amortization	Super Storm Sandy Expenses	Structured Lease Termination/ Litigation	Bad Debt/ Loss on Receivables
	Salaries and Benefits	Other Expenses						
2019	\$ 1,396,562.36	\$ 1,750,527.81	\$ 17,425,363.05	\$ 15,710,642.33	\$ 13,817,315.81	\$ 441,810.54		0.00
2018	1,499,431.77	1,554,717.88	16,111,709.99	16,008,766.51	13,545,837.84	2,722,833.87		0.00
2017	1,336,831.09	1,588,115.57	15,167,362.30	16,460,671.38	13,160,386.64	2,004,501.06		0.00
2016	1,243,051.04	1,262,186.65	15,321,366.89	17,157,730.29	12,811,845.05	1,037,947.41		0.00
2015	1,078,502.58	1,423,621.36	15,321,752.13	17,378,006.14	12,650,701.99	1,445,632.14		0.00
2014	844,718.80	1,621,182.43	14,676,235.80	16,016,418.60	12,303,009.75	2,500,062.99	8,600,000.00	1,453,111.42
2013	767,715.83	1,455,424.73	13,671,382.68	5,036,634.64	17,768,708.71	1,373,196.59	3,648,036.58	712,500.00
2012	749,963.72	1,332,517.62	13,618,927.52	13,816,802.95	10,598,828.49			43,495.23
2011	768,459.54	1,586,775.65	13,426,051.84	13,195,440.90	8,916,950.35			1,635,947.00
2010	731,015.71	1,408,855.32	12,882,872.45	12,550,916.14	5,883,166.36			250,000.00
								565,311.59

\* Adjustment of Allowance for Doubtful Accounts/ and Cancel Grant Receivable

\*\* Bad Debt Expense and Forgiveness of Debt- Lost on Defeasance

See independent auditor's report and notes to the financial statements

North Hudson Sewerage Authority  
Revenues by Source  
Last Ten Fiscal Years

Fiscal Year Ended January 31,	User Fees and Charges	Interest and Penalties	Interest Income	Connection Fees	Grant Revenue	Miscellaneous	Insurance Reimb Hurricane Sandy
2019	\$ 51,342,454.45	\$ 857,033.19	\$ 861,963.83	\$ 5,595,620.42	\$ 213,284.00	\$ 55,096.66	
2018	50,948,774.33	1,144,955.69	514,958.50	7,034,161.20	376,079.75	21,771.35	
2017	51,516,741.22	1,331,107.43	211,209.85	6,262,247.06	169,152.64	28,750.93	
2016	49,525,481.80	1,945,227.59	84,613.60	6,419,487.38	1,624.34	46,241.79	
2015	47,114,114.26	1,598,663.04	59,777.78	6,812,148.73	6,650,555.50	194,395.92	
2014	44,442,156.34	2,190,760.69	51,161.15	3,720,966.25	714,518.41	41,080.75	5,000,000.00
2013	39,289,036.23	2,084,661.37	67,860.49	1,500,421.87	1,877,296.37	103,132.43	
2012	37,227,278.38	2,273,273.65	140,878.75	997,796.99	499,496.80	265,989.23	
2011	34,804,340.32	1,953,441.34	285,926.55	1,393,728.77	6,506,333.00	30,357.46	
2010	32,420,060.89	1,527,332.77	202,828.23	3,157,398.59		40,908.42	

See independent auditor's report and notes to the financial statements



North Hudson Sewerage Authority  
User Rates  
Last Ten Fiscal Years

<u>Fiscal Year Ended</u> <u>January 31,:</u>	<u>Rate per</u> <u>1,000 Gallons</u>
2019	9.68
2018	9.38
2017	9.38
2016	8.84
2015	8.43
2014	8.00
2013	7.52
2012	7.10
2011	6.73
2010	6.41

See independent auditor's report and notes to the financial statements

North Hudson Sewerage Authority  
Principal Ratepayers  
January 31, 2019  
(Usage in thousands)

Ratepayer	Service Address	Usage
The Hudson Tea Building	1500 Hudson Street Hoboken, New Jersey	12,177
Excel Properties Urban	5701 Blvd East West New York	16,593
Rivera Towers Corp	6040 Boulevard East West New York, NJ	18,431
Hoboken Housing Authority	655 Sixth Street Hoboken, New Jersey	19610
Doric Apt. Corp	100 Manhattan Avenue Union City, New Jersey	19852
Parkview Towers, LLC	50th Street West New York, New Jersey	20601
Church Towers	10 Church Towers Hoboken, New Jersey	23966
NJ Transit Corp.	1 Hudson Place Hoboken, New Jersey	25,056
55 Riverwalk Place	19 Ave. Port Imperial West New York	26753
Hoboken South Water	333 River Street Hoboken, New Jersey	27,237

See independent auditor's report and notes to the financial statements

North Hudson Sewerage Authority  
 Ratio of Annual Debt Service Expenditures to Total Expenditures  
 Last Ten Fiscal Years

Fiscal Year Ended January 31,	Principal	Interest	Total Debt Service	Total Expenditures	Ratio of Debt Service to Expenditures
2019	\$ 11,536,789.04	\$15,710,642.33	\$27,247,431.37	\$50,542,221.90	0.54
2018	11,111,826.16	16,008,766.51	27,120,592.67	51,443,297.86	0.53
2017	8,426,421.16	16,460,671.38	24,887,092.54	49,717,868.04	0.50
2016	7,688,469.33	17,157,730.29	24,846,199.62	48,834,127.33	0.51
2015	7,631,860.88	17,378,006.14	25,009,867.02	50,751,327.76	0.49
2014	7,428,313.69	16,016,418.60	23,444,732.29	57,274,628.37	0.41
2013	7,203,898.00	5,036,634.64	12,240,532.64	43,764,594.99	0.28
2012	7,668,037.79	13,816,802.95	21,484,840.74	41,778,320.62	0.51
2011	5,198,210.80	13,195,440.90	18,393,651.70	38,143,678.28	0.48
2010	6,302,290.71	12,550,916.14	18,853,206.85	34,022,137.57	0.55
2009	10,723,675.23	17,501,020.89	28,224,696.12	36,071,008.12	0.78

\* Defeased Debt

See independent auditor's report and notes to the financial statements

North Hudson Sewerage Authority  
Revenue Debt Coverage  
Last Ten Fiscal Years

Fiscal Year Ended January 31,	Operating Revenues	Operating Expenses	Net Revenue Available for Debt Service	Debt Service Requirements			Coverage
				Principal	Interest	Total	
2019	\$58,506,127.24	\$27,132,892.43	\$31,373,234.81	\$11,536,789.04	\$15,710,642.33	\$27,247,431.37	\$ 4,125,803.44
2018	59,461,843.18	25,356,788.87	34,105,054.31	11,111,826.16	16,008,766.51	27,120,592.67	6,984,461.64
2017	59,258,399.69	24,073,074.06	35,185,325.63	8,426,421.16	16,460,671.38	24,887,092.54	10,298,233.09
2016	57,999,440.87	23,648,387.88	34,351,052.99	7,688,469.33	17,157,730.29	24,846,199.62	9,504,853.37
2015	55,767,868.76	25,377,865.73	30,390,003.03	7,631,860.88	17,378,006.14	25,009,867.02	5,380,136.01
2014	50,427,853.89	23,167,585.03	27,260,268.86	7,428,313.69	16,016,418.60	23,444,732.29	3,815,536.57
2013	43,044,903.61	21,337,472.40	21,707,431.21	7,203,898.00	5,036,634.64	12,240,532.64	9,466,898.57
2012	40,635,821.53	20,303,273.85	20,332,547.68	7,668,037.79	13,816,802.95	21,484,840.74	(1,152,293.06)
2011	38,462,085.69	20,025,264.63	18,436,821.06	5,193,210.80	13,195,440.90	18,388,651.70	48,169.36
2010	37,337,854.33	19,456,877.38	17,880,976.95	6,302,290.71	12,550,916.14	18,853,206.85	(972,229.90)
2009	38,998,405.87	17,952,601.50	21,045,804.37	10,714,121.00	17,586,991.00	28,301,112.00	(7,255,307.63)

See independent auditor's report and notes to the financial statements

North Hudson Sewerage Authority  
Miscellaneous Statistics  
January 31, 2019

Date of Creation - Hoboken-Union City-Weehawken-West New York Sewerage Authority	November 1988
Date of Reorganization - The North Hudson Sewerage Authority	October 1996
Form of Government	Authority
Number of employees	7
Number of treatment plants	2
Daily average treatment in million gallons	20.93
Maximum daily capacity of treatment plants in million gallons	30.80
Length of combined sewers in linear feet	564,960

Appreciation

We desire to express our appreciation of the assistance and courtesies rendered by the Authority Officials and employees during the course of our audit.

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Any issues noted during our audit were not of such magnitude that they would affect our ability to express an opinion on the financial statements taken as a whole.