

**BEACHWOOD SEWERAGE AUTHORITY**

**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**Comprehensive Annual Financial Report**

**For the Year Ended December 31, 2018**



**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**  
**COMPREHENSIVE ANNUAL FINANCIAL REPORT**

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# **Introductory Section**





# BEACHWOOD SEWERAGE AUTHORITY

1133 BEACH AVENUE  
BEACHWOOD, NEW JERSEY 08722  
(732) 240-2608 • FAX: (732) 240-7278

September 13, 2019

To the Board of Commissioners,

The comprehensive annual financial report (CAFR) of the Beachwood Sewerage Authority ("Authority") for the year December 31, 2018, is submitted herewith. Responsibility for both the accuracy of the data, and the completeness and fairness of the presentation including disclosures, rests with the management of the Authority. We believe that the data presented is accurate in all material respects; that the report is presented in a manner designed to fairly set forth the results of operations of the Authority as measured by the financial activity of its funds; that the report fairly presents the net position of the Authority for the year ended; and that all disclosures necessary to enable the reader to gain a maximum understanding of the Authority's financial activities have been included.

This CAFR is presented in three main sections:

1. **Introductory Section** provides information on the contents of the report, this transmittal letter and the Authority's organizational structure.
2. **Financial Section** includes the auditor's opinion, management discussion and analysis, basic financial statements and other supplemental information.
3. **Statistical Section** contains additional financial and general information generally presented on a multi-year basis.

## Profile of the Government

The Beachwood Sewerage Authority (Authority) was created by the Mayor and Council of the Borough of Beachwood pursuant to the provisions of an Act of the Legislature of the State of New Jersey under P.L. 1946, c. 148, p.639 known as the "Sewerage Authority Law," and the acts amendatory and supplementary thereto, (Ord. Dated 9/6/72). The Mayor and Council entered in to the Service Contract by ordinance and resolution, respectively, on August 1, 1973. The Authority is a collection system with two (2) pump stations in the Borough of Beachwood.

## Organization and Structure

The Authority consists of five (5) regular Commissioners who are appointed by the Mayor and Council of the Borough of Beachwood to staggered terms of five (5) years.

The Chairperson, or in his or her absence, the Vice Chairperson presides over the meetings. The Secretary is responsible for the execution, witnessing and certification of various Authority documents. (See appendix A for current list of Commissioners).

### Organization and Structure (Continued)

The Commissioners are also responsible for the annually appointing an Authority attorney, auditor and engineer, along with any other special counsels or consultants as deemed appropriate and necessary. These professionals report to the Commissioners. (See appendix B for the current list of Consultants).

Within the Authority, there are two (2) divisions, the Administrative and the Operational Divisions. The Administrative Division is responsible for the preparation of all the necessary Authority paperwork and documents, along with the day to day finances of the authority and its purchasing. Within the administrative division a Sr. Clerk has the responsibility of attending the Authority's meetings and recording the minutes. Also, there is a bookkeeper responsible for the preparation of the Authority's documents as they pertain to the processing and payment of bills, payroll and the receipt of monies due the Authority and proper disposition. These individuals report directly to the Commissioners.

The Operations Division is responsible for the day to day operation and maintenance of the physical plant. The Operational Division is headed by the Superintendent, who reports directly to the Commissioners.

### Local Economy

The Borough of Beachwood is located along the southern banks of the Toms River in Central Ocean County approximately one mile south of Toms River Township, the County Seat. It is surrounded by the Borough of South Toms River to the north and west, the Borough of Pine Beach to the southeast: and the Township of Berkley to the south and west. Residents enjoy a blend of waterfront living, open space and growing recreational opportunities.

Table 1: Population

	<u>2007</u> <u>Census</u>	<u>2010</u> <u>Census</u>	<u>2015</u> <u>Census</u>
County of Ocean	565,525	577,643	588,721
Borough of Beachwood	10,790	11,056	11,214

Table 2: At Place Employment

	<u>2000</u>	<u>2016</u>
County of Ocean	120,741	150,219
Borough of Beachwood	3,590	4,153

Table 3: Median Household Income

	<u>2000</u>	<u>2017</u>
County of Ocean	\$46,443	\$65,771
Borough of Beachwood	\$59,022	\$72,815

## Major Initiatives

Computer Equipment and Software  
Sewer System Improvements

## Completed Projects

Security Cameras  
Resurfacing of Parking Lot

## Financial Information

### Internal Controls

In developing and evaluating the Authority's accounting system, an important consideration is the overall adequacy of internal controls. Internal controls are designed to provide Authority management with reasonable (but not absolute) assurance regarding (a) the safeguarding of assets against loss from unauthorized use or disposition and (b) the overall reliability of the financial records for preparing financial statements and for maintaining accountability and control over Authority's assets.

The concept of reasonable assurance recognizes that (1) the cost of control should not exceed the benefits likely to be derived and (2) the evaluation of cost and benefits requires estimates and judgment by management.

### Budgetary Control

Annually, appropriations are established by the Board of Commissioners to record the current year's fiscal requirements of the Authority. Portions of these appropriations are encumbered as purchase orders and/or contracts are awarded. No commitment is authorized, nor any expenditure incurred, until it is determined that adequate appropriation balances exist for that purpose. To facilitate this determination, the Authority accounting records are delineated by function and specific activity.

### Financial Operating Results

The Management discussion and analysis that follows, summarizes and reviews the changes of the Authority's net position.

### Cash and Investment Administration

The Authority's investment policy is to minimize risks while maintaining a competitive yield on its portfolio. During 2018, the Authority continues to invest in the same type of investments as in prior years. All investments are made in accordance with permitted investment vehicles as determined by the State of New Jersey.

### Risk Management

The Authority continues to look to the New Jersey Utilities Authority Joint Insurance Fund (NJUAJIF), for its property and casualty insurance coverage. This fund has provided comprehensive and reliable

coverage for many years. The relationship has also resulted in thousands of dollars in cost savings on premiums, plus many annual dividends being paid to the Authority.

Recently, the NJUAIJF has enhanced its coverage with the additions of Employment Practices Liability Coverage (EPL) and Public Officials Liability Coverage (POL). There has also been the inclusion of extended New Jersey Environmental Joint Insurance Fund (NJEJIF).

A comprehensive listing of the Insurance Coverage can be found on file in the Authority's offices.

#### Other Information

#### Independent Audit

The Authority is required to have an annual audit of the books of account, financial records and transactions conducted by independent certified public accounts selected by the Board of Commissioners. This requirement has been complied with. The independent auditor's report on the 2018 financial statements of the Authority has been included in the financial section of this report.

#### Acknowledgement

The preparation of this report on a timely basis was made possible with the assistance of the following people:

Beverly D. Clayton, Sr. Clerk  
Milly Tangen, Bookkeeper  
William E. Antonides, Jr., Fee Accountant  
Brian K. Logan, Auditor

In addition, the following references were used in compiling the report:

2017 Population Estimates, U.S. Bureau of the Census, the Ocean County Data Book and the Ocean County Government Directory.

In closing, preparation of the report would not have been possible without the leadership and support of the Board of Commissioners.

Sincerely,



Robert G. Tapp  
Chairman

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**2018**

**MEMBERS OF THE AUTHORITY**

**Appendix A**

Robert G. Tapp	Chairman	2/01/2018 to 1/31/2023
Matthew Brown	Vice-Chairman	2/01/2014 to 1/31/2019
Thomas Abramski	Secretary	2/01/2016 to 1/31/2021
Carl Schmidt	Treasurer	2/01/2015 to 1/31/2020
John Risk	Commissioner	2/01/2018 to 1/31/2023

**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**2018**

**CONSULTANTS**

**Appendix B**

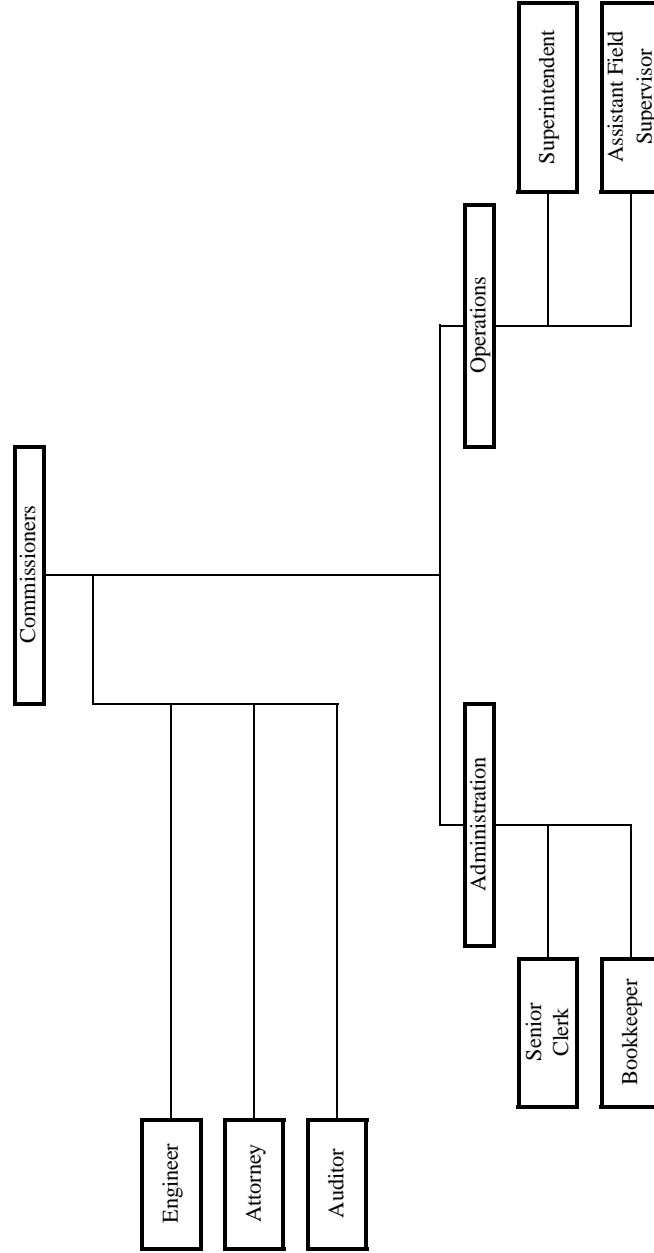
Frank J. Baer, Jr.	Engineer
Suplee, Clooney & Company	Auditor
James Gluck, Esq.	Attorney
Gluck, Walrath, LLP	Bond Counsel
Antonides and Simone	Fee Accountants

Appendix C

2018

Beachwood Sewerage Authority  
(A Component Unit of the Borough of Beachwood)

Organization Chart







## **Financial Section**





# SUPLEE, CLOONEY & COMPANY

CERTIFIED PUBLIC ACCOUNTANTS

308 East Broad Street, Westfield, New Jersey 07090-2122

Telephone 908-789-9300

Fax 908-789-8535

E-mail [info@scnco.com](mailto:info@scnco.com)

## **INDEPENDENT AUDITOR'S REPORT**

Chairman and Board of Commissioners  
Beachwood Sewerage Authority  
1133 Beach Avenue  
Beachwood, New Jersey 08722

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

We have audited the accompanying financial statements of the Beachwood Sewerage Authority, as of and for the years ended December 31, 2018 and 2017, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

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

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

### ***Auditor's Responsibility***

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

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the 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.

## SUPLEE, CLOONEY & COMPANY

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

### ***Opinions***

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective net position of the Beachwood Sewerage Authority, as of December 31, 2018 and 2017, and the changes in its net position and cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

### ***Other Matters***

#### ***Required Supplementary Information***

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, budgetary comparison information and the schedules related to accounting and reporting for pensions in Schedules R-1 through R-3 identified in the table of contents be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

#### ***Other Information***

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Beachwood Sewerage Authority's basic financial statements. The supplementary data schedules are presented for purposes of additional analysis and are not a required part of the basic financial statements.

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

## SUPLEE, CLOONEY & COMPANY

### ***Other Reporting Required by Government Auditing Standards***

In accordance with *Government Auditing Standards*, we have also issued our report dated September 13, 2019 on our consideration of the Beachwood Sewerage 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 Beachwood Sewerage Authority's internal control over financial reporting and compliance.

A handwritten signature in black ink, appearing to read "Suplee, Clooney & Company". The signature is written in a cursive, flowing style.

September 13, 2019

## Management's Discussion and Analysis

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The discussion and analysis is designed to provide an analysis of the Authority's financial condition and operating results and to also inform the reader on Authority financial issues and activities.

The Management's Discussion and Analysis (MD&A) should be read in conjunction with the Transmittal Letter (beginning on page 1) and the Authority's basic financial statements (beginning on page 14).

### USING THIS ANNUAL REPORT

The financial statements included in this annual report are those of a special-purpose government engaged only in a business-type activity. As enterprise funds, the Authority's basic financial statements include:

- **Statement of net assets** - reports the Authority's current financial resources (short-term spendable resources) with capital assets and long-term obligations. (Exhibit A)
- **Statement of revenues, expenses and changes in fund net assets** - reports the Authority's operating and non-operating revenues, by major source along with operating and non-operating expenses and capital contributions. (Exhibit B)
- **Statement of cash flows** - reports the Authority's cash flows from operating activities, investing, capital and non-capital activities. (Exhibit C)

### STATEMENT OF NET POSITION

Years Ended December 31,	<u>2018</u>	<u>2017</u>	<u>2016</u>
Assets:			
Current Assets:			
Unrestricted	\$ 1,039,902	\$ 1,004,406	\$ 1,097,149
Restricted	503,331	632,483	632,482
Total Current Assets	<u>1,543,233</u>	<u>1,636,889</u>	<u>1,729,631</u>
Non-Current Assets:			
Capital Assets - Net of Depreciation	<u>2,172,409</u>	<u>2,434,677</u>	<u>2,702,518</u>
Total Non-Current Assets	<u>2,172,409</u>	<u>2,434,677</u>	<u>2,702,518</u>
Total Assets	\$ <u>3,715,642</u>	\$ <u>4,071,566</u>	\$ <u>4,432,149</u>
Deferred Outflows of Resources			
Deferred Pension Outflows	\$ <u>160,350</u>	\$ <u>208,992</u>	\$ <u>309,535</u>
Liabilities:			
Current Liabilities	\$ 224,167	\$ 210,102	\$ 248,301
Non-Current Liabilities	<u>705,111</u>	<u>937,025</u>	<u>1,308,773</u>
Total Liabilities	\$ <u>929,278</u>	\$ <u>1,147,127</u>	\$ <u>1,557,074</u>

**STATEMENT OF NET POSITION (CONTINUED)**

Years Ended December 31,	<u>2018</u>	<u>2017</u>	<u>2016</u>
Deferred Inflows of Resources			
Deferred Pension Inflows	\$ <u>247,523</u>	<u>181,814</u>	<u>839</u>
Total Deferred Inflows of Resources	\$ <u><u>247,523</u></u>	\$ <u><u>181,814</u></u>	\$ <u><u>839</u></u>
 Years Ended December 31,	 <u>2018</u>	 <u>2017</u>	 <u>2016</u>
Net Position			
Investment in Capital Assets -			
Net of Related Debt	\$ 2,172,408	\$ 2,309,677	\$ 2,457,518
Restricted:			
Bond Service Fund		12,500	24,500
Renewal and Replacement	500,000	500,000	500,000
Unrestricted	<u>26,783</u>	<u>129,440</u>	<u>201,753</u>
Total Net Position	\$ <u><u>2,699,191</u></u>	\$ <u><u>2,951,617</u></u>	\$ <u><u>3,183,771</u></u>

The net position of the Authority decreased to \$2,699,191 during 2018, a \$252,425 decrease over 2017.

**REVIEW OF REVENUES**

Years Ended December 31,	<u>2018</u>	<u>2017</u>	<u>2016</u>
Operating Revenues:			
Service Fees	\$ 1,686,845	\$ 1,707,016	\$ 1,654,823
Connection Fees and Other Revenues	<u>127,293</u>	<u>113,833</u>	<u>146,224</u>
Total Operating Revenues	<u>1,814,138</u>	<u>1,820,849</u>	<u>1,801,047</u>
Non-Operating Revenues:			
Interest Revenue	<u>13,580</u>	<u>3,353</u>	<u>1,634</u>
Total Non-Operating Revenues	<u>13,580</u>	<u>3,353</u>	<u>1,634</u>
Total Revenues	\$ <u><u>1,827,718</u></u>	\$ <u><u>1,824,202</u></u>	\$ <u><u>1,802,681</u></u>

The Authority's revenues increased \$3,516 in 2018 when compared to 2017.

## REVIEW OF EXPENSES

Years Ended December 31,	<u>2018</u>	<u>2017</u>	<u>2016</u>
Operating Expenses:			
Personnel Services	\$ 459,803	\$ 427,659	\$ 364,040
Purchase of Services	918,169	953,753	965,741
Other Operating Expenses	416,882	387,041	398,421
Depreciation	<u>280,550</u>	<u>278,347</u>	<u>275,779</u>
Total Operating Expenses	\$ <u>2,075,404</u>	\$ <u>2,046,800</u>	\$ <u>2,003,981</u>

The Authority's operating expenses increased \$28,604 in 2018 when compared to 2017.

## CAPITAL ASSETS, NET OF DEPRECIATION

In 2018, capital assets had a net decrease (addition, deductions and depreciation) of \$262,268.

Years Ended December 31,	<u>2018</u>	<u>2017</u>	<u>2016</u>
Plant and Property	\$ 596,473	\$ 596,473	\$ 596,473
Vehicles and Equipment	514,097	495,814	485,309
Collection System	8,794,677	8,794,677	8,794,677
Road Overlay	410,115	410,115	410,115
Total Capital Assets	<u>10,315,362</u>	<u>10,297,079</u>	<u>10,286,574</u>
Less: Accumulated Depreciation	<u>8,142,953</u>	<u>7,862,402</u>	<u>7,584,056</u>
Total Net Capital Assets	\$ <u>2,172,409</u>	\$ <u>2,434,677</u>	\$ <u>2,702,518</u>

The Authority makes necessary replacements to its plant and equipment, due to obsolescence or normal retirement, through the budgetary process. That process is also used for additions that might require long term funding. The cost of laterals, which extend the service system, are paid for by the consumer who benefits from the construction. The latter costs are treated as contributed capital because they are borne by the consumer.

## DEBT OUTSTANDING

Principal payments, together with interest, are payable annually until final installment of principal due in December of the year 2018.

## FINANCIAL CONTACT

Questions related to any component of the Authority's Comprehensive Annual Report should be addressed to Robert G. Tapp, Chairman, Beachwood Sewerage Authority, 1133 Beach Avenue, Beachwood, NJ 08722.



**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**STATEMENTS OF NET POSITION**

**Exhibit A**

**FOR THE YEARS ENDED DECEMBER 31, 2018 AND 2017**

**Sheet 1 of 2**

	<u>2018</u>	<u>2017</u>
<b><u>Assets</u></b>		
Current Assets:		
Unrestricted Assets		
Cash and Cash Equivalents	\$ 757,609.77	\$ 620,496.67
Petty Cash	125.00	125.00
Accounts Receivable	225,523.93	289,397.73
Prepaid Expense	56,643.84	94,386.95
Total Unrestricted Assets	<u>1,039,902.54</u>	<u>1,004,406.35</u>
Restricted Assets		
Cash and Cash Equivalents	503,330.74	632,483.12
Total Current Assets	<u>1,543,233.28</u>	<u>1,636,889.47</u>
Non-Current Assets:		
Capital Assets:		
Land	198,197.78	198,197.78
Buildings and Improvements	398,275.00	398,275.00
Vehicles and Equipment	514,096.54	495,814.04
Collection System	8,794,676.88	8,794,676.88
Road Overlay	410,114.91	410,114.91
	<u>10,315,361.11</u>	<u>10,297,078.61</u>
Less: Accumulated Depreciation	8,142,952.61	7,862,402.19
Net Capital Assets	<u>2,172,408.50</u>	<u>2,434,676.42</u>
Total Non-Current Assets	<u>2,172,408.50</u>	<u>2,434,676.42</u>
Total Assets	<u>\$ 3,715,641.78</u>	<u>\$ 4,071,565.89</u>
<b><u>Deferred Outflows of Resources</u></b>		
Deferred Pension Outflows	<u>\$ 160,350.00</u>	<u>\$ 208,992.00</u>

The accompanying Notes to Financial Statements are an integral part of this statement.

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**STATEMENTS OF NET POSITION**

**Exhibit A**

**FOR THE YEARS ENDED DECEMBER 31, 2018 AND 2017**

**Sheet 2 of 2**

	<u>2018</u>	<u>2017</u>
<b><u>Liabilities</u></b>		
Current Liabilities:		
Advanced Revenue	\$ 166,587.35	\$ 153,626.73
Accounts Payable	44,601.36	43,685.49
Funds Held in Custody for Others-Escrow	3,330.74	2,326.86
Employee Payroll Deductions Payable	9,647.17	10,046.33
Accrued Interest Payable	416.67	416.67
Total Current Liabilities	<u>224,166.62</u>	<u>210,102.08</u>
Non-Current Liabilities:		
Net Pension Liability	687,496.00	791,532.00
2003 Series Revenue Bonds Payable:		
Due within One Year		125,000.00
Compensated Absences	17,615.08	20,493.29
Total Non-Current Liabilities	<u>705,111.08</u>	<u>937,025.29</u>
Total Liabilities	<u>\$ 929,277.70</u>	<u>\$ 1,147,127.37</u>
<b><u>Deferred Inflows of Resources</u></b>		
Deferred Pension Inflows	<u>\$ 247,523.00</u>	<u>\$ 181,814.00</u>
<b><u>Net Position</u></b>		
Net Investment in Capital Assets	\$ 2,172,408.50	\$ 2,309,676.42
Restricted For 2003 Series Revenue Bonds:		
Bond Reserve Requirement		12,500.00
Renewal and Replacement	500,000.00	500,000.00
Unrestricted	<u>26,782.58</u>	<u>129,440.10</u>
Total Net Position	<u>\$ 2,699,191.08</u>	<u>\$ 2,951,616.52</u>

The accompanying Notes to Financial Statements are an integral part of this statement.

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**  
**STATEMENTS OF REVENUES, EXPENSES AND**  
**CHANGES IN NET POSITION**  
**FOR THE YEARS ENDED DECEMBER 31, 2018 AND 2017**

**Exhibit B**

	<b><u>2018</u></b>	<b><u>2017</u></b>
Operating Revenues:		
Service Fees	\$ 1,686,845.20	\$ 1,707,016.08
Connection Fees	12,250.00	9,600.00
Other	115,043.05	104,232.83
Total Operating Revenue	<u>1,814,138.25</u>	<u>1,820,848.91</u>
Operating Expenses:		
Personnel Services	459,802.99	427,659.28
Purchase of Services	918,169.21	953,753.05
Other Operating Expenses	416,881.73	387,041.09
Depreciation	280,550.42	278,346.54
Total Operating Expenses	<u>2,075,404.35</u>	<u>2,046,799.96</u>
Operating Income/(Deficit)	<u>(261,266.10)</u>	<u>(225,951.05)</u>
Non-Operating Revenues/(Expenses)		
Interest Revenue	13,580.25	3,352.57
Interest on Long-Term Debt	(4,739.59)	(9,556.26)
Total Non-Operating Revenues/(Expenses)	<u>8,840.66</u>	<u>(6,203.69)</u>
Change in Net Position	<u>(252,425.44)</u>	<u>(232,154.74)</u>
Net Position - January 1	<u>2,951,616.52</u>	<u>3,183,771.26</u>
Total Net Position December 31	<u>\$ 2,699,191.08</u>	<u>\$ 2,951,616.52</u>

The accompanying Notes to Financial Statements are an integral part of this statement.

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**STATEMENTS OF CASH FLOWS**

**FOR THE YEARS ENDED DECEMBER 31, 2018 AND 2017**

**Exhibit C**

**Sheet 1 of 2**

	<b><u>2018</u></b>	<b><u>2017</u></b>
Cash Flows from Operating Activities:		
Receipts from Customers	\$ 1,763,365.68	\$ 1,652,639.64
Payments to Suppliers	(1,323,734.61)	(1,367,391.27)
Payments to Employees	(424,899.23)	(387,195.51)
Other Receipts (Payments)	127,083.51	113,832.83
Net Cash Provided by (Used In) Operating Activities	<u>141,815.35</u>	<u>11,885.69</u>
Cash Flows from Capital and Related Financing Activities:		
Acquisition of Capital Assets	(18,282.50)	(10,504.73)
Cash Received from Developers	1,003.88	1.17
Principal Paid on Capital Debt	(125,000.00)	(120,000.00)
Interest Paid on Capital Debt	(5,156.26)	(9,956.26)
Net Cash Used in Capital and Related Financing Activities	<u>(147,434.88)</u>	<u>(140,459.82)</u>
Cash Flows from Investing Activities:		
Interest on Investments	13,580.25	3,352.57
Net Cash Provided by Investing Activities	<u>13,580.25</u>	<u>3,352.57</u>
Net Increase/(Decrease) in Cash and Cash Equivalents	7,960.72	(125,221.56)
Cash and Cash Equivalents January 1	<u>1,253,104.79</u>	<u>1,378,326.35</u>
Cash and Cash Equivalents December 31	<u>\$ 1,261,065.51</u>	<u>\$ 1,253,104.79</u>
Reconciliation of Cash Equivalents to Amounts Reported on the Statement of Net Position:		
Cash and Investments	\$ 757,734.77	\$ 620,621.67
Other Restricted Cash and Investments	<u>503,330.74</u>	<u>632,483.12</u>
Cash and Cash Equivalents at End of Year	<u>\$ 1,261,065.51</u>	<u>\$ 1,253,104.79</u>

The accompanying Notes to Financial Statements are an integral part of this statement.

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**STATEMENTS OF CASH FLOWS**

**FOR THE YEARS ENDED DECEMBER 31, 2018 AND 2017**

Exhibit C

Sheet 2 of 2

	<u>2018</u>	<u>2017</u>
Reconciliation of Operating Income to Net Cash Provided by Operating Activities:		
Operating Income	\$ (261,266.10)	\$ (225,951.05)
Adjustments to Reconcile Operating Income to Net Cash Provided by (Used By) Operating Activities:		
Depreciation	280,550.42	278,346.54
Changes in Current Assets and Current Liabilities		
(Increase)/Decrease in Receivables	63,873.80	(20,492.21)
(Increase)/Decrease in Prepaid Expenses	37,743.11	(11,987.62)
Increase/(Decrease) in Accounts Payable	915.87	(10,225.65)
Increase/(Decrease) in Accrued Liabilities	(399.16)	6,309.92
Increase/(Decrease) in Net Pension Liability	(104,036.00)	(252,652.00)
(Increase)/Decrease in Deferred Pension Outflows	48,642.00	100,543.00
Increase/(Decrease) in Deferred Pension Inflows	65,709.00	180,975.00
Increase/(Decrease) in Advanced Revenue	12,960.62	(33,884.23)
Increase/(Decrease) in Compensated Absences	(2,878.21)	903.99
Total Adjustments	<u>403,081.45</u>	<u>237,836.74</u>
Net Cash Provided by Operating Activities	<u>\$ 141,815.35</u>	<u>\$ 11,885.69</u>

The accompanying Notes to Financial Statements are an integral part of this statement.

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**NOTES TO FINANCIAL STATEMENTS**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

**A. Reporting Entity**

The Authority, a public body corporate and politic of the Borough of Beachwood, County of Ocean, State of New Jersey was organized and exists under the Municipal and County Utilities Authorities Law, constituting Chapter 183 of the Pamphlet Laws of 1957 of the State of New Jersey and the acts amendatory and supplementary thereto. The Authority was created by ordinance of the Borough of Beachwood on September 6, 1972. The Authority members are appointed by the governing body of the Borough for terms of five years.

GASB Statement 14 established criteria to be used to determine which component units should be included in the financial statements of the oversight entity. In accordance with this statement the Authority is a component unit of the Borough and should be reported in the financial statements of the Borough. However, the Bureau of Authority Regulation, Department of Community Affairs, (“DCA”) State of New Jersey requires that the financial statements of the Authority and Borough be reported separately.

**B. Basis of Accounting**

The basic financial statements of the Authority have been prepared in conformity with accounting principles generally accepted (GAAP) in the United States of America as applied to government units. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles.

Financial Accounting Standards Board (FASB) Statements for private-sector accounting and financial reporting issued prior to December 1, 1989, generally are followed in the basic financial statements to the extent that those standards do not conflict with or contradict guidance of GASB. The Authority also has the option of following subsequent FASB statements subject to this same limitation. The Authority has elected not to follow subsequent FASB statements.

The Authority is a special purpose government engaged only in business-type activities. For these governments, only enterprise fund financial statements are presented.

In June 1999, the GASB adopted its Statement No. 34 “Basic Financial Statements—and Management’s Discussion and Analysis—for State and Local Governments.” The adoption of Statement No. 34 required the Authority to make several changes to the presentation of its basic financial statements in addition to requiring the presentation of the Authority’s Management’s Discussion and Analysis (MD&A). MD&A is considered to be required supplemental data and precedes the financial statements.

**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**C. Impact of Recently Issued Accounting Pronouncements**

The following GASB Statements became effective for the year ended December 31, 2018:

**Current Year Accounting Standards**

GASB issued Statement No. 75, “*Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*” in June 2015. 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. This Statement replaces the requirements of Statements No. 45, Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions, as amended, and No. 57, OPEB Measurements by Agent Employers and Agent Multiple-Employer Plans, for OPEB. Statement No. 74, Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans, establishes new accounting and financial reporting requirements for OPEB plans. Statement No. 85 is effective for financial statements beginning after June 15, 2017, and did not impact the Authority.

GASB issued Statement No. 82, “*Pension Issues - An Amendment of GASB Statements No. 67, 68, and No. 73*” in March 2016. The objective of this Statement is to address certain issues that have been raised with respect to Statement Nos. 67, 68, and 73. Statement No. 82 is effective for financial statements for periods beginning after June 15, 2017, and did not impact the Authority.

GASB issued Statement No. 85, “*Omnibus 2017*” in March 2017. The objective of this Statement is to improve consistency in accounting and financial reporting by addressing practice issues that have been identified during implementation and application of certain GASB Statements. Statement No. 85 is effective for financial statements for periods beginning after June 15, 2017, and did not impact the Authority.

GASB issued Statement No. 86, “*Certain Debt Extinguishment Issues*” in May 2017. The primary objective of this Statement is to improve consistency in accounting and financial reporting for in-substance defeasance of debt by providing guidance for transactions in which cash and other monetary assets acquired with only existing resources—resources other than the proceeds of refunding debt—are placed in an irrevocable trust for the sole purpose of extinguishing debt. This Statement also improves accounting and financial reporting for prepaid insurance on debt that is extinguished and notes to financial statements for debt that is defeased in substance. Statement No. 86 is effective for financial statements for periods beginning after June 15, 2017, and did not impact the Authority.

**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**Pending Accounting Standards**

GASB issued Statement No. 83, “*Certain Asset Retirement Obligations*” in November 2016. The objective of this Statement is to provide financial statement users with information about asset retirement obligations (AROs) that were not addressed in GASB standards by establishing uniform accounting and financial reporting requirements for these obligations. Statement No. 83 is effective for financial statements for periods beginning after June 15, 2018. Management has not yet determined the impact of this Statement on the financial statements.

GASB issued Statement No. 84, “*Fiduciary Activities*” in January 2017. The objective of this Statement is to improve guidance regarding the identification of fiduciary activities for accounting and financial reporting purposes and how those activities should be reported. Statement No. 84 is effective for financial statements for periods beginning after December 15, 2018. Management has not yet determined the impact of this Statement on the financial statements.

GASB issued Statement No. 87, “*Leases*” in June 2017. The objective of this Statement is to better meet the information needs of financial statement users by improving accounting and financial reporting for leases; enhancing the comparability of financial statements between governments; and also enhancing the relevance, reliability (representational faithfulness), and consistency of information about the leasing activities of governments. Statement No. 87 is effective for financial statements for periods beginning after December 15, 2019. Management has not yet determined the impact of this Statement on the financial statements.

GASB issued Statement No. 88, “*Certain Asset Retirement Obligations*” in March 2018. The primary objective of this Statement is to improve the information that is disclosed in notes to government financial statements related to debt, including direct borrowings and direct placements. It also clarifies which liabilities governments should include when disclosing information related to debt. Statement No. 88 is effective for financial statements for periods beginning after June 15, 2018. Management has not yet determined the impact of this Statement on the financial statements.

GASB issued Statement No. 89, “*Accounting for Interest Cost Incurred before the End of a Construction Period*” in June 2018. The objectives of this Statement are (a) to enhance the relevance and comparability of information about capital assets and the cost of borrowing for a reporting period and (b) to simplify accounting for certain interest costs. Statement No. 89 is effective for financial statements for periods beginning after December 15, 2019. Management has not yet determined the impact of this Statement on the financial statements.

GASB issued Statement No. 90, “*Certain Asset Retirement Obligations*” in August 2018. The objectives of this Statement to improve the consistency and comparability of reporting a government’s majority equity interest in a legally separate organization and to improve the relevance of financial statement information for certain component units. Statement No. 90 is effective for financial statements for periods beginning after December 15, 2019. Management has not yet determined the impact of this Statement on the financial statements.



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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**D. Basis of Presentation - Financial Statements**

The accounts of the Authority are organized on the basis of funds, in accordance with the 2003 Bond Resolution (see Note G), each of which is considered a separate accounting activity. The operations of each system are accounted for with a separate set of self-balancing accounting records that comprise its assets, deferred outflows, liabilities, net position, revenues and expenses. Government resources are allocated and accounted for in individual funds based upon the purposes for which they are to be spent and the means by which spending activities are controlled. The various activities are grouped into one fund type and one broad fund category, as follows:

**Proprietary Fund Type**

**Enterprise Fund** - The Enterprise Fund is used to account for governmental operations which are financed and operated in a manner similar to private enterprises, where the intent of the governing body is that the costs (expenses, including depreciation) of providing goods or services to its users on a continuing basis be finance or recovered primarily through user charges.

During the course of its operations, the Authority has numerous transactions between funds (accounts) to finance operations, provide services, construct assets, and retire debt. To the extent that certain transactions between the accounts had not been paid or received as of the balance sheet dates, balance of interfund amounts receivable and payable have been eliminated and therefore are not reported in the financial statements.

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

The accounting and financial reporting treatment is determined by the applicable measurement focus and basis of accounting. Measurement focus indicates the type of resources being measured such as *current financial resources* or *economic resources*. The basis of accounting indicates the timing of transactions or events for recognition in the financial statements.

The Authority's financial statements are reported using the *economic resources measurement focus* and the *accrual basis of accounting*. All assets, all deferred outflows and all liabilities associated with these operations are included on the Statement of Net Position. Revenues are recorded when earned and expenses are recorded at the time liabilities are incurred, regardless of the timing of related cash flows. Grants and similar items are recognized as revenue as soon as all eligibility requirements imposed by the provider have been met.

The Authority's financial transactions are recorded in accounts that are created by various resolutions adopted by the Authority to meet bond or note covenant requirements (more fully defined in Note 9)

**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**E. Measurement Focus and Basis of Accounting (Continued)**

Private-sector standards of accounting and financial reporting issued prior to December 1, 1989, generally are followed in proprietary fund financial statements to the extent that those standards do not conflict with or contradict guidance of the Governmental Accounting Standards Board (GASB). Governments also have the *option* of following subsequent private-sector guidance for their business-type activities and enterprise funds, subject to this same limitation. The Authority has elected not to follow private-sector standards issued subsequent to December 1, 1989.

**F. Revenues and Expenses**

Revenues and expenses are distinguished between operating and non-operating items. Operating revenues generally result from providing services in connection with the Authority's principal ongoing operations. The principal operating revenues of the Authority are wastewater service charges. Revenues from service charges are recognized as the related services are provided. Revenues from connection fees are recognized when paid. Overpayment of service charges are recorded at year-end.

Operating expenses include the costs associated with the conveyance of water and wastewater, treatment of wastewater, administrative expenses, and depreciation of capital assets.

All revenues and expenses not meeting these definitions are reported as non-operating revenues and expenses.

**G. Inventory**

The costs of inventories of materials and supplies are recorded as expenditures at the time individual items are purchased. The cost of inventories is negligible and not recorded on the balance sheet.

**H. Budgets**

Budgets which are required by state statute are adopted in accordance with regulations promulgated by the Bureau of Authority Regulation (the "Bureau"). An annual appropriated budget is adopted for the operations of the Authority, subject to approval by the Bureau. A capital program adopted by the Authority is management's five year plan for financing the estimated cost of addition or replacement of major fixed assets used in the Authority's operation.

Budgets are adopted on a basis consistent with GAAP with the following exceptions:

- Principal retired is budgeted as an operating expense
- Depreciation is not budgeted
- Capital expenses are treated as non-operating expenses

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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**I. Property, Plant and Equipment**

The Authority records its property and equipment at cost. Contributed property and equipment are valued at their estimated fair value on the date donated. Maintenance and repairs are charged to current period operating expense, whereas additions and improvements to property and equipment are capitalized. Upon retirement or other disposition, the costs and related accumulated depreciation of property and equipment are removed from their accounts and any gains or losses are included in operations. Interest cost on debt related to construction is capitalized.

Depreciation is determined on a straight line basis for all property and equipment provided annually on the following estimated useful lives:

Buildings, Collection System, Pump Station and Laterals	40 years
Equipment and Vehicles	5-20 years

**J. Deferred Outflows and Deferred Inflows of Resources**

The Statement of Net Position reports separate sections for deferred outflows of resources and deferred inflows of resources. Deferred outflows of resources, reported after total assets, represents a reduction of net position that applies to a future period(s) and will be recognized as an outflow of resources (expense) at that time. Deferred inflows of resources, reported after total liabilities, represents an acquisition of net position that applies to a future period(s) and will be recognized as an inflow of resources (revenue) at that time.

Transactions are classified as deferred outflows of resources and deferred inflow of resources only when specifically prescribed by the Governmental Accounting Standards Board (GASB) standards. The Authority is required to report the following as deferred outflows of resources and deferred inflows of resources:

**Defined Benefit Pension Plans** - The difference between expected (actuarial) and actual experience, changes in actuarial assumptions, net difference between projected (actuarial) and actual earnings on pension plan investments, changes in the Authority's proportion of expenses and liabilities to the pension as a whole, differences between the Authority's pension contribution and its proportionate share of contributions, and the Authority's pension contributions subsequent to the pension valuation measurement date.

**Deferred Revenue** - Deferred revenue arises when resources associated with revenue transactions are received or reported as a receivable before the period when resources are required to be used or when use is first permitted in which the enabling legislation includes time requirements.

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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**K. Long-Term Obligations**

Long-term debt and other long-term obligations are reported as liabilities in the statement of net position. Bond premiums and discounts are deferred and amortized over the life of the bonds using the effective interest method. Bonds payable are reported net of the applicable bond premium or discount. Bond issuances costs (other than prepaid insurance) are treated as an expense.

**L. Net Position**

In the statement of net position, there are three classes of net position:

**Net Investment in Capital Assets** - consists of net capital assets (cost less accumulated depreciation) reduced by outstanding balances of related debt obligations from the acquisition, construction or improvement of those assets. Deferred outflows of resources and deferred inflows of resources attributable to the acquisition, construction or improvement of those assets or related debt also should be included.

**Restricted Net Position** - reports net position when constraints placed on the residual amount of noncapital assets are either externally imposed by creditors (such as through debt covenants), grantors, contributors, or laws or regulations of other governments, or imposed by law through constitutional provisions or enabling legislation.

**Unrestricted Net Position** - any portion of net position not already classified as either net investment in capital assets or net position - restricted is classified as net position - unrestricted.

**M. Bond Funds**

The Authority issued \$2,720,000 Revenue Bonds, Series 2003, dated December 1, 2003, which in 2004 refunded all of its outstanding 1980 Bonds and 1992 Junior Lien Bonds, and certain costs incurred in connection with the authorization, issuance, and delivery of the Series 2003 Bonds. In accordance with the priorities of the Bond Resolution, the Authority is required to establish funds for various purposes related to the operation of the Authority and the repayment of the 2003 Bonds. With the exception of the Operating Fund, all of the following funds stipulated in the Bond Resolution are to be held and administered by a Trustee:

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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 1.      SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**M.      Bond Funds (Continued)**

Revenue Fund  
Operating Fund  
Bond Service Fund  
Sinking Fund  
Bond Reserve Fund  
Renewal and Replacement Fund  
Subordinated Debt Fund  
General Fund

The Bond Resolution requires that all Authority revenues are to be deposited in the Revenue Fund, and after reserving amounts to pay operating expenses it directs the Trustee to transfer remaining revenues into the other funds semi-annually, beginning May 1 of each year, in the following order:

First: Into the Bond Service Fund in an amount that equals the Bond Service Requirement. On December 1 in each year the requirement must equal all interest accrued to June 1 of the following year and one half of the principal due on the Series 2003 Revenue Bonds in the same year. On June 1 in each year the requirement must equal all interest and principal payable on December 1 in the particular year.

Second: Into the Sinking Fund in an amount that meets the Sinking Fund requirement;

Third: Into the Bond Reserve Fund in an amount that equals the Bond Reserve Requirement.

Fourth: Into the Renewal and Replacement Fund in an amount that equals the Renewal and replacement Requirement

Fifth: Into the Subordinated Debt Fund, in an amount that equals the Subordinated Debt Requirement.

Sixth: Into the General Fund for any balance remaining in the Revenue Fund after giving effect to the foregoing required transfers.

**N.      Pensions**

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 Public Employees' Retirement System (PERS) and additions to/deductions from PERS's 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.

**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)**

**N. Pensions (Continued)**

GASB 68 requires that the reported results must pertain to liability and asset information within certain defined timeframes. For this report, the following timeframes are used:

- Valuation Date: July 1, 2017
- Measurement Date: June 30, 2018
- Measurement Period: July 1, 2017 to June 30, 2018

**O. Compensated Absences**

Employees of the Authority are allowed to accumulate sick leave at the rate of ten days for each year of service, but not in an amount that would exceed thirty days in any three year period. Vacation days must be taken in the year they are earned. It is estimated that the cost of unpaid sick leave at December 31, 2018 was \$17,615, and this amount is accounted for as an expense and liability in the financial statements.

**P. Estimates**

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

**NOTE 2. SERVICE CONTRACT WITH BOROUGH OF BEACHWOOD**

The Authority has a contract with the Borough that stipulates the Borough will pay an annual charge for any year the Authority's expenditures exceed its service charges, other proceeds specified in the contract, and reserves on hand. There was no charge to the Borough under these terms for the years 2017 and 2018.

**NOTE 3. CASH AND CASH EQUIVALENTS**

Cash and cash equivalents include petty cash, change funds, cash in banks and all highly liquid investments with a maturity of three months or less at the time of purchase and are stated at cost. U.S Treasury and agency obligations and certificates of deposit with maturities of 90 days or less when purchased are stated at cost.

**A. 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.

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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 3.     CASH AND CASH EQUIVALENTS (CONTINUED)**

**A.     Deposits (Continued)**

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 five percent of the average daily balance of public funds; or

If the public funds deposited exceed 75 percent of the 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.

**B.     Investments**

a.     When authorized by a cash management plan approved pursuant to N.J.S. 40A:5-14, the Authority may use available funds for the purchase of the following types of securities which, if suitable for registry, may be registered in the name of the Authority:

- (1)     Bonds or other obligations of the United States or obligations guaranteed by the United States.
- (2)     Government money market mutual funds.
- (3)     Any obligation that a federal agency or a federal instrumentality has issued in accordance with an act of Congress, which security has a maturity date not greater than 397 days from the date of purchase, provided that such obligation bears a fixed rate of interest not dependent on any index or other external factor.
- (4)     Bonds or other obligations of the Borough, or bonds or other obligations of the school district of which the Borough is a part or within which the school district is located.
- (5)     Bonds or other obligations, having a maturity date not more than 397 days from the date of purchase, approved by the Division of Investments, New Jersey Department of the Treasury.
- (6)     Local government investment pools.

**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 3. CASH AND CASH EQUIVALENTS (CONTINUED)**

**B. Investments (Continued)**

- a. (7) Deposits with the State of New Jersey Cash Management Fund established pursuant to section 1 of P.L. 1977, c. 281; or
- (8) Agreements for the repurchase of fully collateralized securities, if:
  - (a) the underlying securities are permitted investments pursuant to paragraphs (1) and (3) of this section;
  - (b) the custody of collateral is transferred to a third party;
  - (c) the maturity of the agreement is not more than 30 days;
  - (d) the underlying securities are purchased through a public depository as defined in section 1 of P.L. 1970, c. 236 (C.17:9-41);
  - (e) a master repurchase agreement providing for the custody and security of collateral is executed.

b. Any investment instruments in which the security is not physically held by the Authority shall be covered by a third party custodial agreement, which shall provide for the designation of such investments in the name of the Authority and prevent unauthorized use of such investments.

- c. Investments are further regulated and restricted in accordance with N.J.S. 40A:5-15.1.

Other than cash equivalents that would otherwise qualify as investments, except for their maturity or their withdrawal provisions, the Authority had no investments in qualified securities at December 31, 2018.

**C. Cash Management Plan**

In accordance with N.J.S. 40A:5-14, every authority shall adopt a cash management plan and shall deposit and invest its funds pursuant to that plan. The plan shall be approved annually by majority vote of the members and may be modified from time to time in order to reflect changes in federal or state law or regulations. The chief financial officer shall be charged with administering the plan. The Authority adopted its Cash Management Plan on February 6, 2018.

When an investment in bonds maturing in more than one year is authorized, the maturity of those bonds shall approximate the prospective use of the funds invested.

The plan also requires a monthly report to the governing body summarizing all investments made or redeemed since the previous report and shall include, at a minimum, the specific detailed information as set forth in the statute.



**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 3. CASH AND CASH EQUIVALENTS (CONTINUED)**

**D. Restricted Cash**

The restricted cash at December 31 of \$503,331 consists of escrow deposits for review and inspection of developers' projects and amounts restricted in accordance with the bond resolution.

**E. Custodial Credit Risks**

**Interest Rate Risk**

Interest rate is the risk that changes in interest rates will adversely affect the fair value of an investment. The Authority does not have a formal investment policy that limits investment maturities as a means of managing its exposure; however, investments are matched with anticipated cash flows to minimize interest rate.

**Credit Risk**

Credit risk is the risk that an insurer or other counterparty to an investment will not fulfill its obligations. The Authority's limits its credit risk by investing in direct obligations of the United States government, its agencies or instrumentalities secured by the full faith and credit of the government of the United States. U.S. government securities carry an underlying rating of AAA by Standard and Poor's and Aaa by Moody's Investors Service. The Authority has no policy on credit risk however, investments are limited to securities guaranteed by the U.S. Government.

**Concentration of Credit Risk**

The Authority places no limit on the amount that may be invested in any one issuer. 100% of the Authority's investments are in obligations of the United States or its agencies or instrumentalities.

At year-end the carrying amount of the Authority's deposits was \$1,260,941 and the bank balance amount was \$1,269,866. Of this amount \$500,000 was covered by federal depository insurance and a collateral pool under New Jersey's Governmental Unit Deposit Protection Act covered \$769,866.

**NOTE 4. RULES AND REGULATIONS**

Rate schedules for user fees, connection fees, lateral installations and other matters under the jurisdiction of the Authority are established in accordance with the Rules and Regulations of the Authority as adopted and amended.

**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 5.     DEBT**

**A.     Long-Term Revenue Bonds**

The Authority authorized financing of \$2,720,000 Sewer Revenue Bonds, Series 2003 (the “Bonds”), pursuant to a resolution adopted by the Authority on November 18, 2003.

The Bonds were issued to provide funds to currently refund all of the Authority’s outstanding 1980 Sewer Revenue Bonds (Series A) and its outstanding Revenue Bonds (Junior Lien Series 1992) (collectively the “Refunded Bonds”) to establish a reserve for debt service of the Authority, and to finance the costs and expenses connected with the issuance of the Bonds.

On the date of issuance of the Bonds the Authority called the outstanding 1980 Bonds for optional redemption on February 1, 2004, at 100% of their principal amount and interest accrued to the redemption date, and called the outstanding 1992 Junior Lien Bonds at 101% of their principal amount together with accrued interest to February 1, 2004. In addition the Authority entered into an Escrow Deposit Agreement with Commerce Bank, National Association, to act as agent for the Authority for the deposit of the proceeds of the Bonds and other Authority funds, for the payment of the principal and interest on the Refunded Bonds which payment was made February 1, 2004.

The Bonds are dated December 1, 2003, and mature in installments payable annually on their anniversary date commencing in 2004. Interest, computed at variable rates from 2.50% to 4.125%, is payable on the outstanding bonds on June 1, and December 1, until the final principal maturity of the bonds due December 1, 2018.

At December 31, 2018 the Authority’s bonded debt was \$-0-.

The Authority’s long-term liability activity for the years ended December 31, 2018 and 2017 are as follows:

	<b>Balance</b>			<b>Balance</b>	<b>Due in</b>
	<b>Jan. 1, 2018</b>	<b>Additions</b>	<b>Reductions</b>	<b>Dec. 31, 2018</b>	<b>One Year</b>
Bonds	\$ 125,000	\$	\$ 125,000	\$	\$
Compensated Absences	20,493		2,878	17,615	
Net Pension Liability	791,532		104,036	687,496	
Total Long-Term Liabilities	\$ 937,025	\$ -0-	\$ 231,914	\$ 705,111	\$ -0-

**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 6. CHANGES IN LONG-TERM LIABILITIES**

The Authority's long-term liability activity for the years ended December 31, 2018 and 2017 are as follows:

	<b>Balance</b>				<b>Balance</b>		<b>Due in</b>
	<b>Jan. 1, 2017</b>	<b>Additions</b>	<b>Reductions</b>		<b>Dec. 31, 2017</b>		<b>One Year</b>
Bonds	\$ 245,000	\$	\$ 120,000	\$	125,000	\$	125,000
Compensated Absences	19,589	904			20,493		
Net Pension Liability	1,044,184		252,652		791,532		
 Total Long-Term Liabilities	 \$ 1,308,773	 \$ 904	 \$ 372,652	 \$	 937,025	 \$	 125,000

**NOTE 7. PENSION PLANS**

**Accounting and Financial Reporting for Pensions - GASB #68**

The Governmental Accounting Standards Board (GASB) has issued Statement No. 68 "Accounting and Financial Reporting for Public Employees Pensions" and is effective for fiscal years beginning after June 15, 2015. This statement requires the State of New Jersey to calculate and allocate, for note disclosure purposes only, the unfunded net pension liability of Public Employees Retirement System (PERS) of the participating authority as of December 31, 2018. The statement does not alter the amounts of funds that must be budgeted for pension payments under existing state law.

Under accounting principles and practices prescribed by the Division of Local Government Services, Department of Community Affairs, State of New Jersey, any unfunded net pension liability of the authority, allocated by the State of New Jersey, is not required to be reported in the financial statements as presented and any pension contributions required to be paid are raised in that year's budget and no liability is accrued at December 31, 2018. As of the date of this report, the State of New Jersey has not allocated any unfunded net pension liability to the authority and the amount to disclose in the notes to the financial statements is not presently known, but is probably material.

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 7. PENSION PLANS (CONTINUED)**

**A. Public Employees Retirement System (PERS)**

At June 30, 2018, the State reported a net pension liability of \$687,496 for the Authority's proportionate share of the total net pension liability. 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 Authority's proportion of the net pension liability was based on a projection of the Authority's long-term share of contributions to the pension plan relative to the projected contributions of all participating employers, actuarially determined. At June 30, 2018, the Authority's proportion was 0.00349 percent, which was a decrease of 0.00009 percent from its proportion measured as of June 30, 2017.

For the year ended June 30, 2018, the State recognized an actuarially determined pension expense of \$45,046 for the Authority's proportionate share of the total pension expense. The pension expense recognized in the Authority's financial statement based on the April 1, 2018 billing was \$32,675.

At June 30, 2018, the State reported deferred outflows of resources and deferred inflows of resources related to PERS from the following sources:

	<b><u>Deferred Inflow of Resources</u></b>	<b><u>Deferred Outflow of Resources</u></b>
Differences Between Expected and Actual Experience	\$ 13,111	\$ 3,545
Changes of Assumptions	113,288	219,825
Net Difference Between Projected and Actual Earnings on Pension Plan Investments		6,449
Changes in Proportion	<u>33,951</u>	<u>17,704</u>
	\$ <u>160,350</u>	\$ <u>247,523</u>

Other local amounts reported by the State as the Town's proportionate share of deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in the State's actuarially calculated pension expense as follows:

<b><u>Year Ended June 30</u></b>	<b><u>Amount</u></b>
2018	\$ 8,021
2019	(3,357)
2020	(44,123)
2021	(37,814)
2022	<u>(9,900)</u>
	\$ <u>(87,173)</u>

**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 7. PENSION PLANS (CONTINUED)**

**A. Public Employees Retirement System (PERS) (Continued)**

**Additional Information**

Collective balances at June 30, 2018 and 2017 are as follows:

	<b><u>June 30, 2018</u></b>	<b><u>June 30, 2017</u></b>
Collective Deferred Outflows of Resources	\$ 4,684,852,302	\$ 6,424,455,842
Collective Deferred Inflows of Resources	7,646,736,226	5,700,625,981
Collective Net Position Liability - Local	19,689,501,539	23,278,401,588
Authority's Proportion	0.00349%	0.00340%

**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 rolled forward to June 30, 2018. These actuarial valuations used the following assumptions:

	<b><u>June 30, 2018</u></b>	<b><u>June 30, 2017</u></b>
Inflation	2.25%	2.25%
Salary Increases (Based on Age)		
Through 2026	1.65 - 4.15%	1.65 - 4.15%
Thereafter	2.65 - 5.15%	2.65 - 5.15%
Investment Rate of Return	7.00%	7.00%

Preretirement 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 the Conduent 2014 projection scale thereafter. Disability retirement rates used to value disabled retirees were based on the RP-2000 Disabled Mortality Table (set back 3 years for males and set forward 1 year for females).

The actuarial assumptions used 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 exactly conform to these assumptions. To the extent that 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.

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 7. PENSION PLANS (CONTINUED)**

**A. Public Employees Retirement System (PERS) (Continued)**

**Long-Term Rate of Return**

In accordance with State statute, the long-term expected rate of return on plan investments is determined by the State Treasurer, after consultation with the Directors of the Division of Investments and Division of Pensions and Benefits, the board of trustees and the actuaries. 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 and June 30, 2017 are summarized in the following table:

	<b><u>June 30, 2018</u></b>		<b><u>June 30, 2017</u></b>	
	<b><u>Target Allocation</u></b>	<b><u>Long-Term Expected Real Rate of Return</u></b>	<b><u>Target Allocation</u></b>	<b><u>Long-Term Expected Real Rate of Return</u></b>
Absolute return/risk mitigation	5.00%	5.51%	5.00%	5.51%
Cash equivalents	5.50%	1.00%	5.50%	1.00%
U.S. Treasuries	3.00%	1.87%	3.00%	1.87%
Investment grade credit	10.00%	3.78%	10.00%	3.78%
Public high yield	2.50%	6.82%	2.50%	6.82%
Global diversified credit	5.00%	7.10%	5.00%	7.10%
Credit oriented hedge funds	1.00%	6.60%	1.00%	6.60%
Debt related private equity	2.00%	10.63%	2.00%	10.63%
Debt related real estate	1.00%	6.61%	1.00%	6.61%
Private real asset	2.50%	11.83%	2.50%	11.83%
Equity related real estate	6.25%	9.23%	6.25%	9.23%
U.S. equity	30.00%	8.19%	30.00%	8.19%
Non-U.S. developed markets equity	11.50%	9.00%	11.50%	9.00%
Emerging markets equity	6.50%	11.64%	6.50%	11.64%
Buyouts/venture capital	8.25%	13.08%	8.25%	13.08%
	<b><u>100.00%</u></b>		<b><u>100.00%</u></b>	

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 7. PENSION PLANS (CONTINUED)**

**A. Public Employees Retirement System (PERS) (Continued)**

**Discount Rate**

The discount rate used to measure the total pension liability was 5.66% as of June 30, 2018. This single blended discount rate was based on the long-term expected rate of return on pension plan investments of 7.00% and a municipal bond rate of 3.87% as of June 30, 2018 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 2046. Therefore, the long-term expected rate of return on plan investments was applied to projected benefit payments through 2046, and the municipal bond rate was applied to projected benefit payments after that date in determining the total pension liability.

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

The following presents the collective net pension liability of the participating employers as of June 30, 2018 and 2017, respectively, calculated using the discount rate as disclosed above as well as what the collective net pension liability would be if it was calculated using a discount rate that is 1- percentage point lower or 1- percentage-point higher than the current rate:

	<b><u>June 30, 2018</u></b>		
	<b><u>1%</u></b>	<b><u>At Current</u></b>	<b><u>1%</u></b>
	<b><u>Decrease</u></b>	<b><u>Discount Rate</u></b>	<b><u>Increase</u></b>
	<b><u>4.66%</u></b>	<b><u>5.66%</u></b>	<b><u>6.66%</u></b>
Authority's Proportionate Share of the Pension Liability	\$ 864,447	\$ 687,496	\$ 539,045
	<b><u>June 30, 2017</u></b>		
	<b><u>1%</u></b>	<b><u>At Current</u></b>	<b><u>1%</u></b>
	<b><u>Decrease</u></b>	<b><u>Discount Rate</u></b>	<b><u>Increase</u></b>
	<b><u>4.00%</u></b>	<b><u>5.00%</u></b>	<b><u>6.00%</u></b>
Authority's Proportionate Share of the Pension Liability	\$ 981,949	\$ 791,532	\$ 632,891

**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 7.      PENSION PLANS (CONTINUED)**

**A.      Public Employees Retirement System (PERS) (Continued)**

**Pension Plan Fiduciary Net Position**

Detailed information about the pension plan's fiduciary net position is available in the separately issued Financial Report for the State of New Jersey Public Employees Retirement System (PERS).

**NOTE 8.      RISK MANAGEMENT**

The Authority is exposed to various risks of loss related to torts, theft of, damage to and destruction of assets; errors and omissions, injuries to employees; and natural disaster. The Authority is a member of the New Jersey Utilities Joint Insurance Fund. The Joint Insurance Fund is both an insured and self-administered group of authorities established for the purpose of insuring for risks connected with property damage, general liability, motor vehicles and equipment liability, and workmen's compensation.

**NOTE 9.      SERVICE AGREEMENT WITH OCEAN COUNTY UTILITIES AUTHORITY**

The Authority entered an agreement with the Ocean County Utilities Authority (the "O.C.U.A.") for treatment and disposal of sewerage from the Authority's collection system. The agreement requires the O.C.U.A. to establish a charge for service on the basis of estimated flows. The annual charge for treatment was \$3,882 per million gallons for the years 2018 and 2017.

**NOTE 10.    RESTRICTED NET POSITION - AMOUNTS REQUIRED BY GENERAL BOND RESOLUTION**

The General Bond Resolution (the "Resolution") for the 2003 Series Revenue Bonds requires the Authority to maintain funds in designated trustee administered bank accounts to insure compliance with such Resolution. The trustee controlled accounts include the following.:

**A.      Bond Service Requirement**

The General Bond Resolution stipulates the trustee is to calculate amounts required one month before debt service installments are due (June and December) and transfer the required amounts to the Bond Service Requirement bank account.

There was no bond service requirement at December 31, 2018.



**BEACHWOOD SEWERAGE AUTHORITY**  
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**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 10.     RESTRICTED NET POSITION - AMOUNTS REQUIRED BY GENERAL BOND RESOLUTION (CONTINUED)**

**B.     Bond Reserve Requirement**

This Reserve was established to cure deficiencies occurring in the Bond Service Reserve.

The General Bond Resolution requires the Trustee to calculate three prescribed reserve amounts with the option to deposit the lowest of the three for the Bond Reserve Requirement.

At December 31, 2018 and 2017 \$-0- and \$12,500, respectively, were the balances in the Bond Reserve bank account. The amount on hand for 2018 was the lowest required reserve amount calculated by the Trustee.

**C.     Renewal and Replacement Requirement**

This Reserve was established to pay reasonable and necessary expenses for system repairs, renewals, replacements or certain maintenance items.

The Trustee also can cure deficiencies in the Bond Reserve Requirement bank account using available funds in this reserve.

At December 31, 2018 and 2017, \$500,000 was the balance on deposit for the renewal and replacement requirement.

**NOTE 11.     CAPITAL ASSETS**

The following is a schedule of the Authority's Capital Assets, and transactions in the accounts for the years 2018 and 2017:

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**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 11. CAPITAL ASSETS (CONTINUED)**

	<b><u>Balance</u></b> <b><u>Dec. 31, 2017</u></b>	<b><u>Increased by</u></b> <b><u>Current Year</u></b> <b><u>Additions</u></b>	<b><u>Balance</u></b> <b><u>Dec. 31, 2018</u></b>
Non-depreciable Assets:			
Land	\$ 198,198	\$	\$ 198,198
Depreciable Assets:			
Buildings and Improvements	398,275		398,275
Vehicles and Equipment	495,814	18,283	514,097
Collection System	8,794,677		8,794,677
Road Overlay	410,115		410,115
Total Historical Cost	<u>10,297,079</u>	<u>18,283</u>	<u>10,315,362</u>
Less Accumulated Depreciation:			
Buildings	212,823	9,720	222,543
Vehicles and Equipment	260,565	29,928	290,493
Collection System	7,143,365	230,649	7,374,014
Road Overlay	245,650	10,253	255,903
Total Accumulated Depreciation	<u>7,862,403</u>	<u>280,550</u>	<u>8,142,953</u>
Total Capital Assets Net	\$ <u>2,434,676</u>	\$ <u>(262,267)</u>	\$ <u>2,172,409</u>
	<b><u>Balance</u></b> <b><u>Dec. 31, 2016</u></b>	<b><u>Increased by</u></b> <b><u>Current Year</u></b> <b><u>Additions</u></b>	<b><u>Balance</u></b> <b><u>Dec. 31, 2017</u></b>
Non-depreciable Assets:			
Land	\$ 198,198	\$	\$ 198,198
Depreciable Assets:			
Buildings and Improvements	398,275		398,275
Vehicles and Equipment	485,309	10,505	495,814
Collection System	8,794,677		8,794,677
Road Overlay	410,115		410,115
Total Historical Cost	<u>10,286,574</u>	<u>10,505</u>	<u>10,297,079</u>
Less Accumulated Depreciation:			
Buildings	203,103	9,720	212,823
Vehicles and Equipment	233,516	27,049	260,565
Collection System	6,912,040	231,325	7,143,365
Road Overlay	235,397	10,253	245,650
Total Accumulated Depreciation	<u>7,584,056</u>	<u>278,347</u>	<u>7,862,403</u>
Total Capital Assets Net	\$ <u>2,702,518</u>	\$ <u>(267,842)</u>	\$ <u>2,434,676</u>

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**NOTES TO FINANCIAL STATEMENTS (CONTINUED)**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**NOTE 11. CAPITAL ASSETS (CONTINUED)**

The basic financial statements utilize a net asset presentation. New assets are categorized as Invested in Capital Assets (net of related debt), restricted and unrestricted.

Invested in Capital Assets (net of related debt) is intended to reflect the portion of net assets that are associated with non-liquid, capital assets, less outstanding capital asset related debt. Restricted assets are liquid assets generated from revenues that have third-party (statutory or bond covenant) limitation on their use. Unrestricted assets represent unrestricted liquid assets.

**NOTE 12. PERFORMANCE BOND**

The cost of the construction of laterals, which provide connection to the Authority's collection system, are based on the components of labor and material in a linear foot of construction. The commissioners of the Authority, in exercising their responsibility to determine whether expenditures in any category will exceed the statutory limitation for bid, annually estimate the number of laterals that will be constructed in a given year. The estimate of the number of units, and the unit price of construction, form the basis for the competitive bid process required by New Jersey law. The letting of a contract to a successful bidder on these terms is not a guarantee that the value of the actual work will necessarily approach the value of the contract award. Under certain circumstances, it is possible that this value may exceed the award, but the purpose of the commissioner's estimates is to minimize such a result.

Consistent with New Jersey contract law, the commissioners have required that the successful bidder, in the instance of the foregoing lateral construction, provide a performance bond equal to 100% of the amount bid. For the years 2018 and 2017, the successful bidder entered into a Surety and Security Agreement (the "Agreement") with the Authority pledging deposited funds equal to the contract award which would inure to the benefit of the Authority in the event of default. The Agreement was held to conform to contract law by the Authority's attorney.

**NOTE 13. CONTINGENT LIABILITIES**

**Pending Litigation**

It is the opinion of the Authority officials that there is no litigation threatened or pending that would materially affect the financial position of the Authority or adversely affect the Authority to levy, collect and enforce the collection of user charges or other revenue for the payment of its bonds or other obligation.

**NOTE 14. CONTINGENT LIABILITIES (SUBSEQUENT EVENTS)**

Beachwood Sewerage Authority has evaluated subsequent events occurring after the financial statement date through September 13, 2019 which is the date the financial statements were available to be issued. No items were noted for disclosure or adjustment.



# SUPLEE, CLOONEY & COMPANY

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

Chairman and Board of Commissioners  
Beachwood Sewerage Authority  
1133 Beach Avenue  
Beachwood, New Jersey 08722

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, the financial statements of Beachwood Sewerage Authority as of and for the year ended December 31, 2018, and the related notes to the financial statements, which collectively comprise Beachwood Sewerage Authority's financial statements, and have issued our report thereon dated September 13, 2019.

***Internal Control Over Financial Reporting***

In planning and performing our audit of the financial statements, we considered Beachwood Sewerage 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 opinions on the financial statements but not for the purpose of expressing an opinion on the effectiveness of Beachwood Sewerage Authority's internal control. Accordingly, we do not express an opinion on the effectiveness of Beachwood Sewerage Authority's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the 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. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

***Compliance and Other Matters***

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

***Purpose of This Report***

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

A handwritten signature in black ink, appearing to read "Suplee, Clooney & Company", is positioned to the right of the date.

September 13, 2019



## **Supplemental Information**





**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**SCHEDULE OF REVENUES AND APPROPRIATIONS**

Schedule 1

**COMPARED TO BUDGET - YEAR ENDED DECEMBER 31, 2018**

Sheet 1 of 4

**WITH COMPARATIVE AMOUNTS FOR YEAR ENDED DECEMBER 31, 2017**

**(NON-GAAP BUDGETARY BASIS)**

	<b><u>Amended Budget</u></b>	<b><u>Actual</u></b>	<b><u>Variance Positive (Negative)</u></b>	<b><u>2017 Actual</u></b>
<b><u>Anticipated Revenues</u></b>				
Operating Revenues:				
Charges for Service Fees	\$ 1,704,728.00	\$ 1,686,845.20	\$ (17,882.80)	\$ 1,707,016.08
Connection Fees	5,000.00	12,250.00	7,250.00	9,600.00
Other	65,300.00	115,043.05	49,743.05	104,232.83
Total Operating Revenues	<u>1,775,028.00</u>	<u>1,814,138.25</u>	<u>39,110.25</u>	<u>1,820,848.91</u>
<b><u>Budget Appropriations</u></b>				
Operating Appropriations:				
Administration:				
Salaries and Wages	143,737.00	143,135.86	601.14	133,237.73
Fringe Benefits	31,900.00	38,556.70	(6,656.70)	35,467.22
Other Expenses	97,058.00	87,567.04	9,490.96	83,618.03
Total Administration	<u>272,695.00</u>	<u>269,259.60</u>	<u>3,435.40</u>	<u>252,322.98</u>
Cost of Providing Services:				
Salaries and Wages	195,470.00	182,707.78	12,762.22	185,075.68
Fringe Benefits	47,075.88	50,356.65	(3,280.77)	45,012.65
Other Expenses	1,196,882.22	1,242,867.07	(45,984.85)	1,257,176.11
Total Cost of Providing Services	<u>1,439,428.10</u>	<u>1,475,931.50</u>	<u>(36,503.40)</u>	<u>1,487,264.44</u>
Total Operating Appropriations	<u>1,712,123.10</u>	<u>1,745,191.10</u>	<u>(33,068.00)</u>	<u>1,739,587.42</u>
Excess (Deficit) of Operating Revenues over Appropriations	<u>62,904.90</u>	<u>68,947.15</u>	<u>6,042.25</u>	<u>81,261.49</u>
Non-Operating Revenues:				
Interest on Investments		13,580.25	13,580.25	3,352.57
Total Non-Operating Revenues		<u>13,580.25</u>	<u>13,580.25</u>	<u>3,352.57</u>
Non-Operating Appropriations:				
Interest on Long-Term Debt	5,157.00	4,739.59	417.41	9,556.26
Capital Outlay	36,571.90	31,988.31	4,583.59	10,504.73
Long-Term Principal Payments	125,000.00	125,000.00		120,000.00
Total Non-Operating Appropriations	<u>166,728.90</u>	<u>161,727.90</u>	<u>5,001.00</u>	<u>140,060.99</u>
Total Operating and Non-Operating Appropriations	1,878,852.00	1,906,919.00	(28,067.00)	1,879,648.41
Unreserved Retained Earnings to Balance Budget	<u>103,824.00</u>	<u>103,824.00</u>	<u>0.00</u>	<u>130,401.00</u>
Total Appropriations - Unreserved Retained Earnings	<u>\$ 1,775,028.00</u>	<u>1,803,095.00</u>	<u>(28,067.00)</u>	<u>1,749,247.41</u>
Excess/(Deficit) of Revenues over Appropriations		<u>\$ 24,623.50</u>	<u>\$ 24,623.50</u>	<u>\$ 74,954.07</u>

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**SCHEDULE OF REVENUES AND APPROPRIATIONS**

Schedule 1

**COMPARED TO BUDGET - YEAR ENDED DECEMBER 31, 2018**

Sheet 2 of 4

**WITH COMPARATIVE AMOUNTS FOR YEAR ENDED DECEMBER 31, 2017**

**(NON-GAAP BUDGETARY BASIS)**

	<b><u>Amended Budget</u></b>	<b><u>Actual</u></b>	<b><u>Variance Positive (Negative)</u></b>	<b><u>2017 Actual</u></b>
<b><u>Administration</u></b>				
Salaries and Wages:				
Board Members	\$	\$ 9,125.00	\$	\$ 9,300.00
Clerical		122,753.90		112,901.69
Legal		11,256.96		11,036.04
Total Salaries and Wages	<u>143,737.00</u>	<u>143,135.86</u>	<u>601.14</u>	<u>133,237.73</u>
Fringe Benefits:				
Public Employees' Retirement System		12,100.00		12,000.00
Federal & State Taxes		12,129.99		8,513.25
Worker's Compensation Insurance		522.39		383.86
Hospitalization Insurance		8,978.20		9,651.44
Health Benefits Waiver		4,826.12		4,918.67
Total Fringe Benefits	<u>31,900.00</u>	<u>38,556.70</u>	<u>(6,656.70)</u>	<u>35,467.22</u>
Other Expenses:				
Advertising		623.60		1,827.95
Audit and Accounting		23,515.00		23,205.00
Electric		2,739.42		2,511.15
Engineering		15,074.50		15,135.00
Equipment Maintenance		932.00		
Computer Maintenance		9,316.25		11,314.04
Heat		1,683.24		1,618.41
Insurance		6,501.58		6,198.55
Miscellaneous		3,858.41		2,872.96
Miscellaneous Other		3,597.54		2,119.14
Office Supplies		6,405.51		3,888.06
Postage		3,252.11		4,136.03
Telephone		5,167.88		3,891.74
Trustees Administrative Fee		4,900.00		4,900.00
Total Other Expenses	<u>97,058.00</u>	<u>87,567.04</u>	<u>9,490.96</u>	<u>83,618.03</u>
Total Administration	<u>\$ 272,695.00</u>	<u>\$ 269,259.60</u>	<u>\$ 3,435.40</u>	<u>\$ 252,322.98</u>

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**SCHEDULE OF REVENUES AND APPROPRIATIONS**

Schedule 1

**COMPARED TO BUDGET - YEAR ENDED DECEMBER 31, 2018**

Sheet 3 of 4

**WITH COMPARATIVE AMOUNTS FOR YEAR ENDED DECEMBER 31, 2017**

**(NON-GAAP BUDGETARY BASIS)**

	<u>Amended Budget</u>	<u>Actual</u>	<u>Variance Positive (Negative)</u>	<u>2017 Actual</u>
<b><u>Cost of Providing Service</u></b>				
Salaries and Wages	\$ 195,470.00	\$ 182,707.78	\$ 12,762.22	\$ 185,075.68
Fringe Benefits:				
Public Employees' Retirement System		20,575.88		19,587.00
Federal & State Taxes		15,221.65		17,383.33
Worker's Compensation Insurance		4,000.00		4,000.00
Hospitalization Waiver		10,559.12		4,042.32
Total Fringe Benefits	<u>47,075.88</u>	<u>50,356.65</u>	<u>(3,280.77)</u>	<u>45,012.65</u>
Other Expenses:				
Contracted Services		255,577.74		230,288.78
Electric		9,595.84		8,215.18
Fuel for Vehicles		4,528.88		3,943.70
Heat		2,762.98		2,106.29
Riser Rings		37,743.11		
Sewerage Treatment Charges		918,169.21		953,753.05
Supplies		4,172.62		8,044.22
Telephone		4,375.54		2,738.09
Vehicle Maintenance		5,941.15		6,210.58
Computer Equipment				2,426.73
Manhole Casting & Lids				4,475.28
Root Control				4,942.72
Parking Lot, Generator, Canopy				19,126.99
CC4 Boxes				10,904.50
Total Other Expenses	<u>1,196,882.22</u>	<u>1,242,867.07</u>	<u>(45,984.85)</u>	<u>1,257,176.11</u>
Total Cost of Providing Service	<u>\$ 1,439,428.10</u>	<u>\$ 1,475,931.50</u>	<u>\$ (36,503.40)</u>	<u>\$ 1,487,264.44</u>

**BEACHWOOD SEWERAGE AUTHORITY**

**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**SCHEDULE OF REVENUES AND APPROPRIATIONS**

Schedule 1

**COMPARED TO BUDGET - YEAR ENDED DECEMBER 31, 2018**

Sheet 4 of 4

**WITH COMPARATIVE AMOUNTS FOR YEAR ENDED DECEMBER 31, 2017**

**(NON-GAAP BUDGETARY BASIS)**

	<b><u>Amended Budget</u></b>	<b><u>Actual</u></b>	<b><u>Variance Positive (Negative)</u></b>	<b><u>2017 Actual</u></b>
Capital Outlay:				
Computer Equipment	\$ 869.00	\$ 2,364.73	\$	\$
Root Control		9,946.08		
Security Cameras				10,504.73
Parking Lot, Generator, Canopy	1,395.00	1,395.00		
Generator	<u>34,307.90</u>	<u>18,282.50</u>		
Total Capital Outlay	<u>\$ 36,571.90</u>	<u>\$ 31,988.31</u>	<u>\$ 4,583.59</u>	<u>\$ 10,504.73</u>
<b><u>Increase/(Decrease) to Reconcile Budgetary</u></b>				
<b><u>Basis to GAAP Basis</u></b>				
Excess/(Deficit) from Above - Budgetary Basis		\$ 24,623.50		\$ 74,954.07
Reserve for Encumbrances - Net Change		9,088.98		
Long-Term Debt Principal Payments		125,000.00		120,000.00
Capital Outlay		18,282.50		10,504.73
Annual Pension Contribution		32,675.88		31,587.00
Net Pension Expense		(77,721.88)		(60,453.00)
Depreciation Expense		(280,550.42)		(278,346.54)
Retained Earnings Appropriated		<u>(103,824.00)</u>		<u>(130,401.00)</u>
Change in Net Position		<u>\$ (252,425.44)</u>		<u>\$ (232,154.74)</u>

**BEACHWOOD SEWERAGE AUTHORITY**

**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**ANALYSIS OF ACCOUNTS RECEIVABLE - SERVICE FEES**

**YEAR ENDED DECEMBER 31, 2018**

**Schedule 2**

	<b>Balance Dec. 31, 2017</b>	<b>Increased by 2018 Service Fees</b>	<b>Decreased by Collected in 2018</b>	<b>Balance Dec. 31, 2018</b>
Residential	\$ 279,620.72	\$ 1,629,511.20	\$ 1,694,593.74	\$ 214,538.18
Commercial	9,777.01	52,574.00	51,365.26	10,985.75
Board of Education		4,760.00	4,760.00	
	<u>\$ 289,397.73</u>	<u>\$ 1,686,845.20</u>	<u>\$ 1,750,719.00</u>	<u>\$ 225,523.93</u>

- (1) The user charges do not include interest on delinquent payments. In 2018 interest on delinquent payments amounted to \$72,411.51

BEACHWOOD SEWERAGE AUTHORITY

SCHEDULE OF THE AUTHORITY'S PROPORTIONATE SHARE OF THE NET PENSION LIABILITY

PUBLIC EMPLOYEES RETIREMENT SYSTEM

LAST TEN YEARS

Measurement Date Ending June 30,	Authority's Proportion of the Net Pension Liability (Asset)	Authority's Proportionate Share of the Net Pension Liability (Asset)	Authority's Proportion Share of the Net Pension Liability (Asset) as a percentage of it's Covered-Employee Payroll	Plan Fiduciary Net Position as a percentage of the total Pension Liability
2014	0.0032775925%	\$ 613,655	237,812 258.04%	52.08%
2015	0.0034474705%	773,888	206,065 375.56%	47.92%
2016	0.0035256082%	1,044,184	236,108 442.25%	40.14%
2017	0.0034002840%	791,532	245,212 322.79%	48.10%
2018	0.0034916865%	687,496	278,402 246.94%	53.60%

Note: Schedule is intended to show ten year trend. Additional years will be reported as they become available.

BEACHWOOD SEWERAGE AUTHORITY  
SCHEDULE OF THE AUTHORITY'S CONTRIBUTIONS  
PUBLIC EMPLOYEES RETIREMENT SYSTEM

LAST TEN YEARS

Fiscal Year Ending <u>June 30,</u>	Contractually Required <u>Contribution</u>	Contributions in Relation to the Contractually Required <u>Contributions</u>	Contribution Deficiency ( <u>Excess</u> )	Authority's Covered- Employee <u>Payroll</u>	Contributions as a Percentage of Covered- Employee <u>Payroll</u>
2014	\$ 27,020	\$ 27,020	\$ -0-	\$ 237,812.00	11.36%
2015	29,639	29,639	-0-	206,065.00	14.38%
2016	31,321	31,321	-0-	236,108.00	13.27%
2017	31,500	31,500	-0-	245,212.00	12.85%
2018	34,731	34,731	-0-	278,402.00	12.48%

Note: Schedule is intended to show ten year trend. Additional years will be reported as they become available.

BEACHWOOD SEWERAGE AUTHORITY

(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD

SCHEDULES RELATED TO ACCOUNTING AND REPORTING FOR PENSION (GASB 68)

NOTE TO RSI III

FOR THE YEAR ENDED DECEMBER 31, 2018

PUBLIC EMPLOYEES RETIREMENT SYSTEM (PERS)

Change in benefit terms

None

Change in assumptions

The calculation of the discount rate used to measure the total pension liability is dependent upon the long-term expected rate of return, and the municipal bond index rate. There was a change in the municipal bond index rate from the prior measurement date (3.58%) to the current measurement date (3.87%), resulting in a change in the discount rate from 5.00% to 5.66%. This change in the discount rate is considered to be a change in actuarial assumptions under GASB No. 68.



**Statistical Section**



**BEACHWOOD SEWERAGE AUTHORITY**

**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**OPERATING REVENUES BY SOURCE**

**FOR THE YEARS ENDED DECEMBER 31, 2018 THROUGH 2009**

**(UNAUDITED)**

	<b>December 31</b>									
	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>
Operating Revenues:										
Service Fees	\$ 1,686,845.20	\$ 1,707,016.08	\$ 1,654,823.19	\$ 1,670,583.23	\$ 1,667,264.29	\$ 1,646,916.63	\$ 1,645,450.34	\$ 1,610,796.24	\$ 1,610,308.55	\$ 1,656,434.86
Connection Fees and Other										
Operating Revenues	127,293.05	113,832.83	146,223.92	110,779.15	87,599.36	130,239.38	73,757.19	74,006.63	68,468.21	27,318.59
Total Operating Revenues	<u>\$ 1,814,138.25</u>	<u>\$ 1,820,848.91</u>	<u>\$ 1,801,047.11</u>	<u>\$ 1,781,362.38</u>	<u>\$ 1,754,863.65</u>	<u>\$ 1,777,156.01</u>	<u>\$ 1,719,207.53</u>	<u>\$ 1,684,802.87</u>	<u>\$ 1,678,776.76</u>	<u>\$ 1,683,753.45</u>

Schedule 3

**BEACHWOOD SEWERAGE AUTHORITY**

(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)

**OPERATING EXPENSES BY SOURCE**

**Schedule 4**

**FOR THE YEARS ENDED DECEMBER 31, 2018 THROUGH 2009**

(UNAUDITED)

	December 31									
	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Operating Expenses:										
Personnel Services	\$ 459,802.99	\$ 427,659.28	\$ 364,039.99	\$ 340,877.21	\$ 331,970.57	\$ 322,167.42	\$ 321,242.45	\$ 305,178.04	\$ 323,992.35	\$ 283,796.83
Purchase of Services	918,169.21	953,753.05	965,740.67	982,146.00	1,010,872.80	1,027,565.40	1,004,273.40	968,884.90	1,050,931.20	962,856.00
Other Operating Expenses	416,881.73	387,041.09	398,421.20	315,105.83	929,052.85	329,661.04	158,463.37	180,242.49	154,133.78	132,919.34
Depreciation	280,550.42	278,346.54	275,779.47	269,898.70	278,677.80	262,529.12	258,122.74	243,810.66	275,713.82	250,127.46
Total Operating Expenses	\$ 2,075,404.35	\$ 2,046,799.96	\$ 2,003,981.33	\$ 1,908,027.74	\$ 2,550,574.02	\$ 1,941,922.98	\$ 1,742,101.96	\$ 1,698,116.09	\$ 1,804,771.15	\$ 1,629,699.63

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**SERVICE FEES (RATES)**

**FOR THE YEARS ENDED DECEMBER 31, 2018 THROUGH 2009**

Schedule 5

**(UNAUDITED)**

	<b>December 31</b>									
	<b><u>2018</u></b>	<b><u>2017</u></b>	<b><u>2016</u></b>	<b><u>2015</u></b>	<b><u>2014</u></b>	<b><u>2013</u></b>	<b><u>2012</u></b>	<b><u>2011</u></b>	<b><u>2010</u></b>	<b><u>2009</u></b>
<b><u>Sewer</u></b>										
Minimum per Year (All Customers)	\$ 424.00	\$ 424.00	\$ 420.00	\$ 420.00	\$ 420.00	\$ 416.00	\$ 416.00	\$ 408.00	\$ 408.00	\$ 408.00
Per 1,000 Gallons in Excess of										
75,000 per Year per Unit										
(Commercial Customers Only)	4.00	4.00	4.00	4.00	3.75	3.50	3.25	3.00	3.00	3.00

**CONNECTION FEES (RATES)**

**FOR THE YEARS ENDED DECEMBER 31, 2018 THROUGH 2009**

Schedule 6

**(UNAUDITED)**

	<b>December 31</b>									
	<b><u>2018</u></b>	<b><u>2017</u></b>	<b><u>2016</u></b>	<b><u>2015</u></b>	<b><u>2014</u></b>	<b><u>2013</u></b>	<b><u>2012</u></b>	<b><u>2011</u></b>	<b><u>2010</u></b>	<b><u>2009</u></b>
<b><u>Sewer Connection Fee</u></b>	\$ 2,450.00	\$ 2,400.00	\$ 2,350.00	\$ 2,300.00	\$ 2,250.00	\$ 2,200.00	\$ 2,150.00	\$ 2,000.00	\$ 2,050.00	\$ 2,000.00

**BEACHWOOD SEWERAGE AUTHORITY**

**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**NUMBER OF SEWER CUSTOMERS**

Schedule 7

**FOR THE YEARS ENDED DECEMBER 31, 2018 THROUGH 2009**

**(UNAUDITED)**

	<b>December 31</b>					
	<b><u>2018</u></b>	<b><u>2017</u></b>	<b><u>2016</u></b>	<b><u>2015</u></b>	<b><u>2014</u></b>	<b><u>2013</u></b>
Customers	<u>3,944</u>	<u>3,941</u>	<u>3,939</u>	<u>3,934</u>	<u>3,931</u>	<u>3,899</u>
			<u>3,825</u>	<u>3,821</u>	<u>3,813</u>	<u>3,814</u>

**GENERAL TAX RATE (PER \$100 OF ASSESSED VALUATION)**

Schedule 8

**FOR THE YEARS ENDED DECEMBER 31, 2018 THROUGH 2009**

**(UNAUDITED)**

	<b>December 31</b>					
	<b><u>2018</u></b>	<b><u>2017</u></b>	<b><u>2016</u></b>	<b><u>2015</u></b>	<b><u>2014</u></b>	<b><u>2013</u></b>
Borough of Beachwood	<u>\$ 2.395</u>	<u>\$ 2.351</u>	<u>\$ 2.332</u>	<u>\$ 1.831</u>	<u>\$ 1.783</u>	<u>\$ 1.768</u>
			<u>\$ 1.724</u>	<u>\$ 1.69</u>	<u>\$ 1.635</u>	<u>\$ 1.545</u>

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**TEN LARGEST SEWER CUSTOMERS**  
**FOR THE YEAR ENDED DECEMBER 31, 2018**

**Schedule 9**

**(UNAUDITED)**

<b><u>Name</u></b>	<b><u>Description</u></b>	<b><u>Billing</u></b>
Okor, Inc.	Laundromat	8,188.00
Sand Castle Diner	Diner	3,904.00
Champagne Room LLC	Apartment Rentals	2,544.00
Toms River Intermediate South	Intermediate School	2,380.00
Beachwood Elementary School	Elementary School	2,380.00
Stone Fire Grill	Restaurant/Bar	1,816.00
Rossics & Russo Associates, LLC	Apartment Rentals	1,272.00
Rossics & Russo Associates, LLC	Apartment Rentals	1,272.00
Socher, Lawrence & Joyce	Commercial Rentals	1,272.00
Dacel, LLC	Commercial Rentals	1,272.00

# BEACHWOOD SEWERAGE AUTHORITY

(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)

## RATIO OF ANNUAL DEBT SERVICE TO

Schedule 10

## TOTAL OPERATING EXPENSES

FOR THE YEARS ENDED DECEMBER 31, 2018 THROUGH 2009

(UNAUDITED)

Year	Principal	Interest	Total Debt Service	Operating Expenses	Ratio of Debt Service to Total Operating Expense
2018	\$ 125,000.00	\$ 4,739.59	\$ 129,739.59	\$ 2,075,404.35	0.063
2017	120,000.00	9,556.26	129,556.26	2,017,933.96	0.064
2016	115,000.00	14,172.93	129,172.93	2,003,981.33	0.064
2015	110,000.00	18,324.43	128,324.43	1,908,027.74	0.067
2014	110,000.00	22,336.53	132,336.53	2,550,574.02	0.052
2013	105,000.00	36,855.94	131,037.51	1,941,922.98	0.067
2012	250,000.00	34,781.26	284,781.26	1,742,101.96	0.163
2011	245,000.00	42,437.52	287,437.52	1,698,116.09	0.169
2010	240,000.00	49,337.52	289,337.52	1,804,771.15	0.160
2009	230,000.00	55,375.00	285,375.00	1,629,699.63	0.175
	\$ 1,650,000.00	\$ 287,916.98	\$ 1,927,098.55	\$ 19,372,533.21	



**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**  
**POPULATION 2015, 2010 AND 2007 CENSUS ESTIMATES**

**Schedule 11**

	<b>December 31</b>		
	<b><u>2015</u></b>	<b><u>2010</u></b>	<b><u>2007</u></b>
Borough of Beachwood	11,214	11,056	10,790

**BEACHWOOD SEWERAGE AUTHORITY**

**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**MUNICIPAL LABOR FORCE ESTIMATES 2017, 2016 AND 2015**

Schedule 12

**(UNAUDITED)**

	Potential Labor Force			Number of Residents			Unemployment			Unemployment Rate		
	2017	2016	2015	2017	2016	2015	2017	2016	2015	2017	2016	2015
Borough of Beachwood	6,352	6,347	6,343	6,070	6,038	5,957	282	309	386	4.4%	4.9%	6.1%

**BEACHWOOD SEWERAGE AUTHORITY**  
**(A COMPONENT UNIT OF THE BOROUGH OF BEACHWOOD)**

**DECEMBER 31, 2018**

**GENERAL COMMENTS AND RECOMMENDATIONS**

**NONE**



