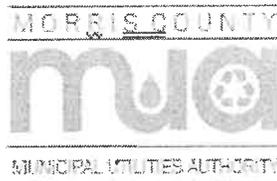


MORRIS COUNTY MUNICIPAL
UTILITIES AUTHORITY
COUNTY OF MORRIS
FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
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May 15, 2019

The Honorable Chairman and Members
of the Morris County Municipal Utilities Authority
Randolph, NJ

Dear Authority Members:

The annual financial report of the Morris County Municipal Utilities Authority (the "Authority") for the year ended December 31, 2018, is hereby submitted. Responsibility for both the accuracy of the data and completeness and fairness of the presentation, including all disclosures, rests with the management of the Authority. To the best of our knowledge and belief, the data presented in this report is accurate in all material respects and is reported in a manner designed to present fairly the financial position and results of operations of the Authority. All disclosures necessary to enable the reader to gain an understanding of the Authority's financial activities have been included.

The annual financial report is presented in four sections: introductory, financial, single audit and comments and recommendations. The introductory section includes this transmittal letter, the Authority's organizational chart and a list of principal officials. The financial section includes the financial statements as well as the auditors' report thereon. The Authority may be required to undergo a single audit in conformity with the provisions of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* ("Uniform Guidance") and New Jersey's OMB Circular 15-08, *Single Audit Policy for Recipients of Federal Grants, State Grants and State Aid*. Information related to the single audit, including the auditors' report on internal control and compliance with applicable laws and regulations and findings and recommendations, are included in the single audit section of this report.

REPORTING ENTITY AND ITS SERVICES:

The Authority was created in 1958 as a public body corporate and politic of the State of New Jersey by the Board of Chosen Freeholders of the County of Morris pursuant to N.J.S.A. 40:14B-1 et seq. The Authority was established to protect the County water supply and prevent further diversion to areas outside the County. The Authority is currently using two well field sites (Alamatong and Flanders Valley) and purchases water from Southeast Morris County M.U.A. The Authority supplies water to the Townships of Randolph, Roxbury, Denville, Jefferson, Parsippany-Troy Hills and Mine Hill, Boroughs of Mount Arlington and Wharton, the Southeast Morris County M.U.A., and the New Jersey American Water Company. The Authority provides reliable high quality supplies of potable water used for drinking, irrigation, fire protection and other purposes. The Frank J. Markewicz pump facility, located in Randolph Township, is the primary operating and monitoring facility for the water operations.

On September 23, 1987, the Board of Chosen Freeholders of the County of Morris designated the Authority as the agency to design and construct a solid waste system, including transfer stations, solid waste disposal facilities and other facilities for the collection, treatment and disposal of solid waste. This is to be accomplished in accordance with the solid waste management plan of Morris County, as amended from time to time.

The Honorable Chairman and Members
 Of the Morris County Municipal Utilities Authority
 Page 2
 May 15, 2019

REPORTING ENTITY AND ITS SERVICES: (Cont'd)

Trash transfer facilities are located in Parsippany Troy-Hills and Mount Olive Townships. These facilities, located in the east and west portions of the county, process and stage all trash from Morris County for transport to landfills located outside of New Jersey, primarily Pennsylvania. The Authority also provides pickup services to municipalities and commercial entities for recyclable materials, e.g. paper of various types, as well as plastic, metal and glass containers. The Authority also provides vegetative waste processing at sites in Parsippany Troy-Hills and Mount Olive Townships. These sites accept from various sources - trees, branches, grass, leaves, and process these materials into mulch and compost. The end products are sold to county residents and landscapers. The Authority also operates a household hazardous waste collection facility located at the Mount Olive transfer station. This facility accepts hazardous waste from residents and businesses and ships it for processing to various companies. Lastly, the Authority also provides recycling educational programs aimed at schools and the business communities.

The Authority is a legally separate organization, whose members are appointed by the Board of Chosen Freeholders. Financial transactions are processed and accounted for by the Authority's financial administration. In the past the County has provided the Authority with long term loans for capital and operating needs. The County also issued bond anticipation notes for the acquisition of the transfer stations. This debt was not interest free and was paid by the Authority. Accordingly, the Authority should be considered a component unit of the County of Morris under the provisions of Governmental Accounting Standards Board Codification Section 2100 "Defining the Financial Reporting Entity".

General Trends and Significant Events

Water Division

- Finalized and advertised the engineering design of the Markewicz Pump Stations Electrical/Pumping System Upgrades for bid.
- Replaced Alamatong Well #5 pump.
- Performed the engineering design and bid phase and executed contractors for the exterior cleaning of the Markewicz #1, Markewicz #2, Dover-Chester Road and Mine Hill water storage tanks.
- Advanced updates for the MCMUA Potable Water System Regulations, Specifications and Rate Schedule.
- Advanced long-term evaluation of water supply needs for current and potential customers within the County for future water supply forecast.
- Performed annual updates to the Asset Management Plan to incorporate work performed throughout the year to prioritize Capital Improvement Projects.

Solid Waste Division

- Completed construction of an air pollution control system at the Parsippany transfer station in accordance with the administrative consent order with NJDEP.
- Conducted upgrade of solid waste computer software for tracking and billing needs.
- Installed replacement HazWaste Shed at Mount Olive HHW Facility.
- Initiated the acceptance of credit cards for cash customers at both transfer stations.
- Entered into an agreement with Roxbury School District for recycling and disposal collection.
- Continued to monitor significant impacts in recycling markets.

During 2018, the Authority experienced the following:

- Conducted a successful online reverse auction to secure a competitive two-year electricity contract.
- Auctioned and sold vehicles and equipment no longer in use.

The Honorable Chairman and Members
Of the Morris County Municipal Utilities Authority
Page 3
May 15, 2019

CASH MANAGEMENT: The investment policy of the Authority is guided in large part by state statute as detailed in "Notes to the Financial Statements", Note 4. The Authority has adopted a cash management plan which requires it to deposit public funds in public depositories protected from loss under the provisions of the Governmental Unit Deposit Protection Act ("GUDPA"). GUDPA was enacted in 1970 to protect Governmental Units from a loss of funds on deposit with a failed banking institution in New Jersey. The law requires governmental units to deposit public funds only in public depositories located in New Jersey, where the funds are secured in accordance with the Act.

RISK MANAGEMENT: The Authority carries various forms of insurance, including but not limited to general liability, excess liability, automobile liability and comprehensive/collision, hazard and theft insurance on property, contents, and fidelity bonds which are covered under the Morris County Insurance Fund and described in the "Notes to Financial Statements", Note 8.

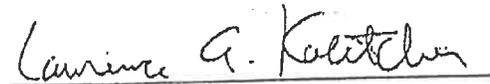
OTHER INFORMATION:

Independent Audit - State statutes require an annual audit by independent certified public accountants or registered municipal accountants. The accounting firm of Nisivoccia LLP, CPAs, was selected by the Authority. In addition to meeting the requirements set forth in state statutes, the audit also was designed to meet the requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* ("Uniform Guidance") and New Jersey's OMB Circular 15-08, *Single Audit Policy for Recipients of Federal Grants, State Grants and State Aid*. The auditors' report on the financial statements is included in the financial section of this report. The auditors' reports related specifically to the single audit are included in the single audit section of this report.

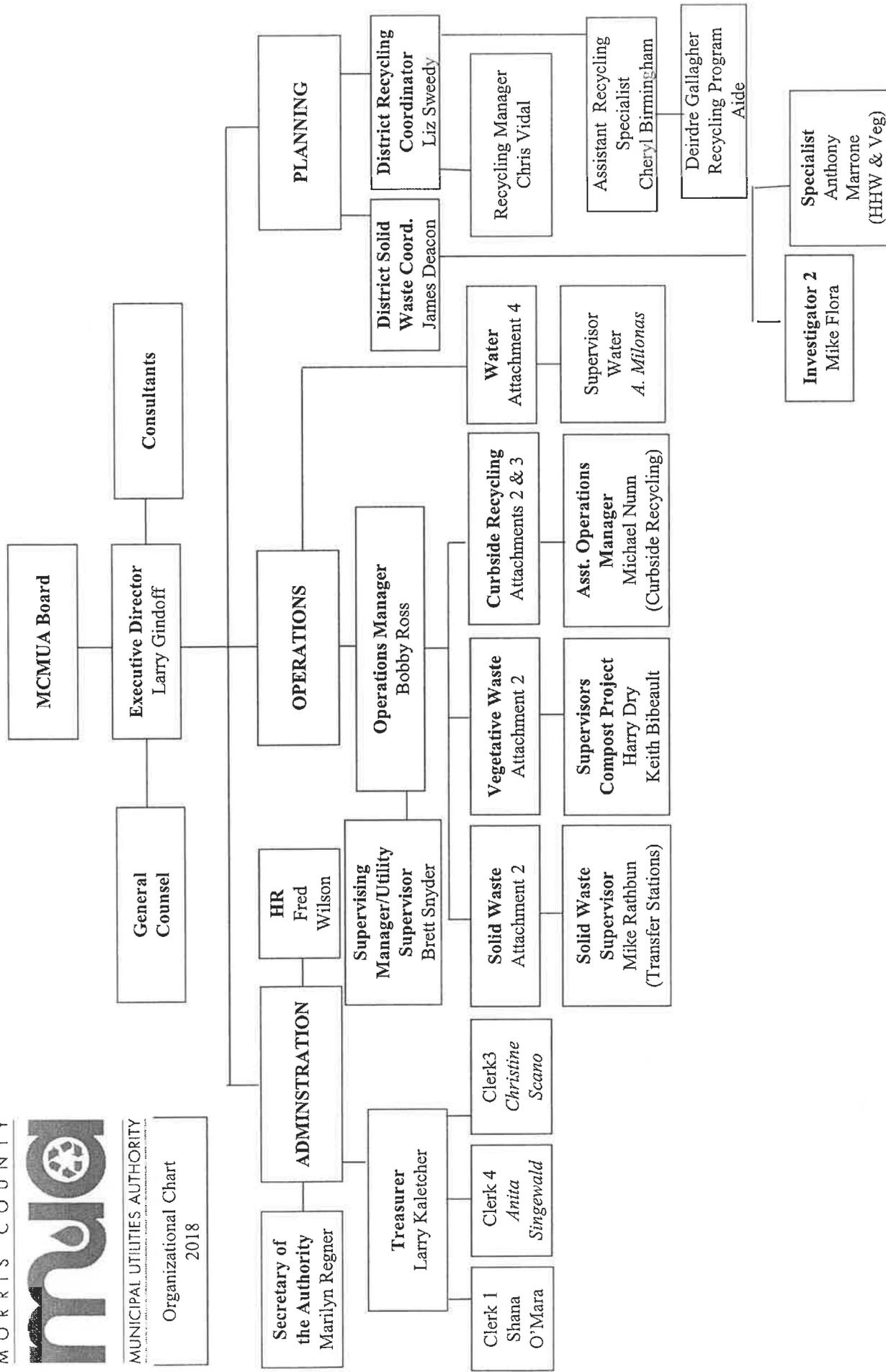
ACKNOWLEDGEMENTS:

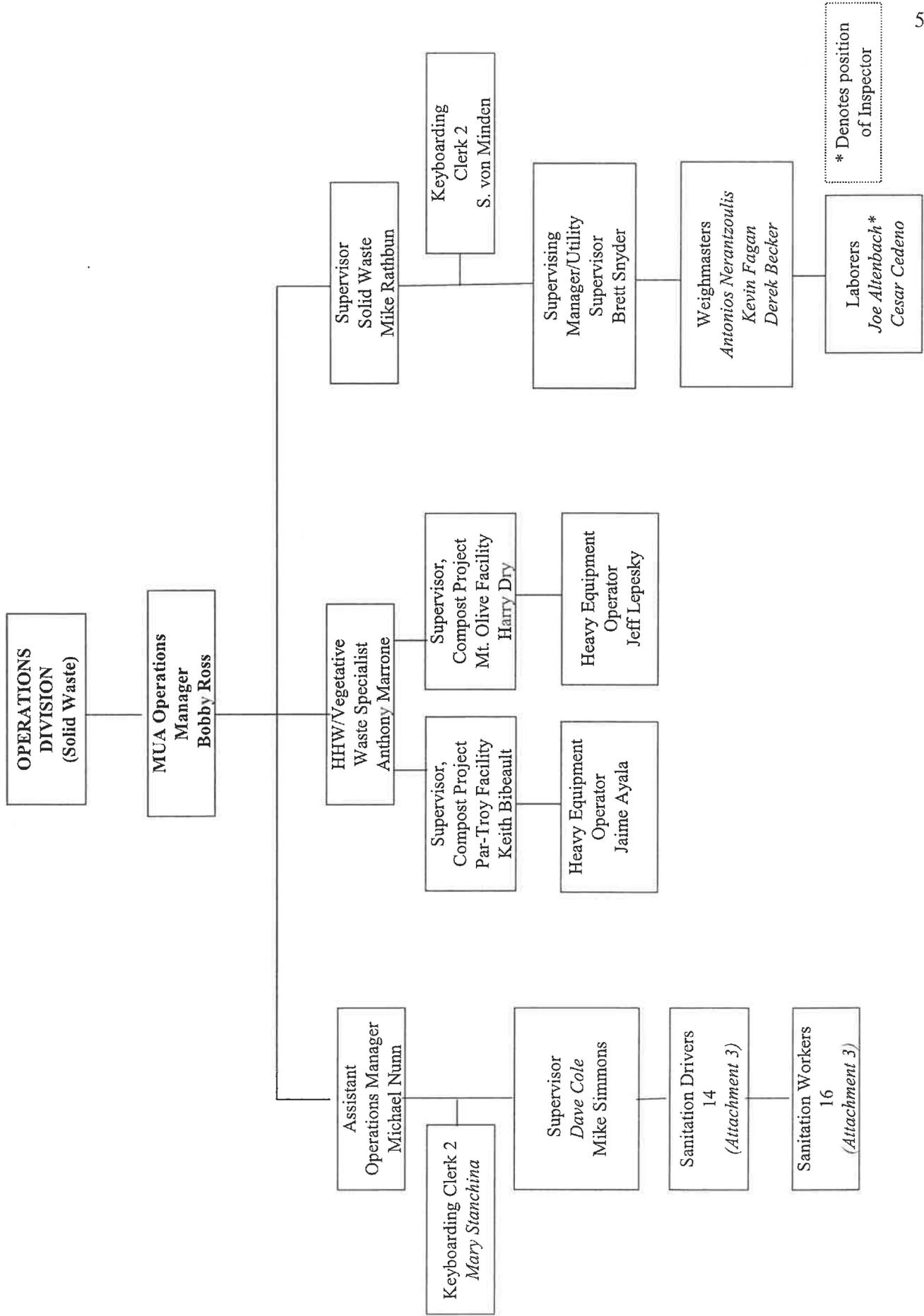
We would like to express our appreciation to the members of the Morris County Municipal Utilities Authority for their concern in providing fiscal accountability to the citizens of Morris County and thereby contributing their full support to the development and maintenance of our financial operation. The preparation of this report could not have been accomplished without the efficient and dedicated services of our financial and accounting staff.

Respectfully submitted,

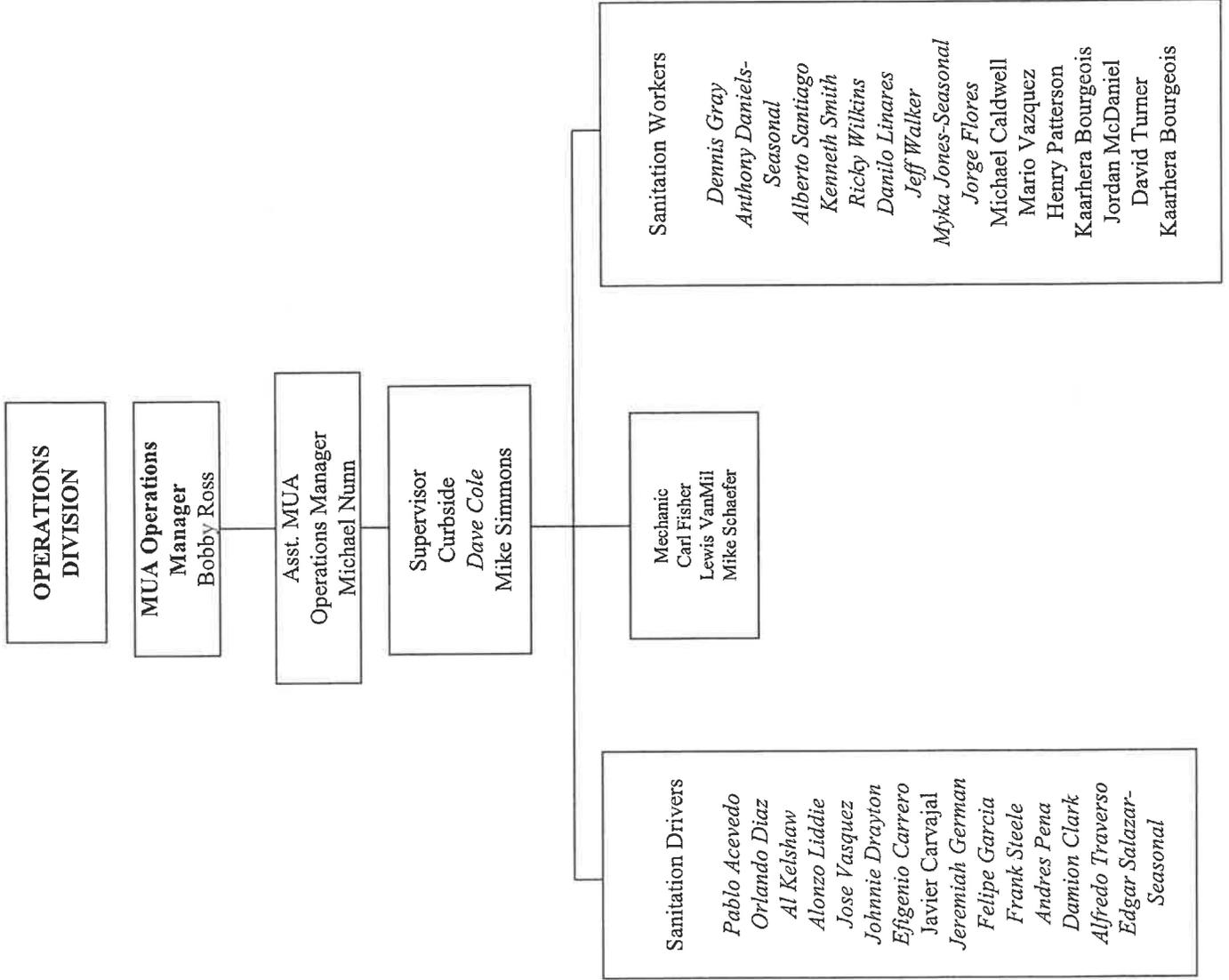


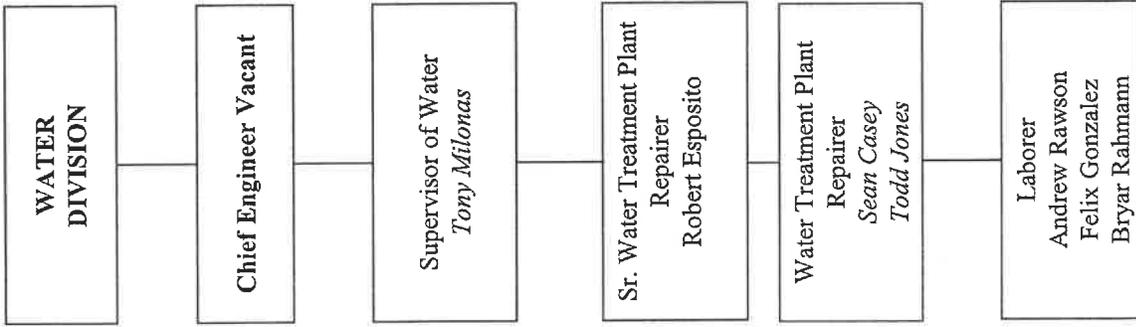
Lawrence A. Kaletcher
Treasurer





* Denotes position of Inspector





MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
ROSTER OF OFFICIALS
DECEMBER 31, 2018

Board Members

William Hudzik	Chairman
Christopher Dour	Vice Chairman
James J. Barry, Jr.	Board Member
Frank Druetzler	Board Member
Laura Szwak	Board Member
Dr. Dorothea Kominos	Board Member
Dr. Arthur Nusbaum	Board Member
Vincent Schindel	Board Member
Fletcher Platt	Board Member

CONSULTANTS AND ADVISORS

AUDIT FIRM

Nisivoccia, LLP
200 Valley Road, Suite 300
Mt. Arlington, NJ 07856

ATTORNEYS

Joseph J. Maraziti, Jr., Esq.
Maraziti Falcon LLP
150 John F. Kennedy Parkway
Short Hills, NJ 07078

FINANCIAL SECTION



Mount Arlington Corporate Center
200 Valley Road, Suite 300
Mt. Arlington, NJ 07856
973-298-8500 | 973-298-8501 Fax
Lawrence Business Center
11 Lawrence Road
Newton, NJ 07860
973-383-8699 | 973-383-8555 Fax

Independent Auditors' Report

The Honorable Chairman and Members
of the Morris County Municipal
Utilities Authority
Randolph, NJ

Report on the Financial Statements

We have audited the accompanying financial statements of the Morris County Municipal Utilities Authority, (the "Authority"), a component unit of the County of Morris, as of and for the year ended December 31, 2018 and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements, as listed in the foregoing table of contents.

Management's Responsibility for the Financial Statements

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

Auditors' Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America, audit requirements prescribed by the Division of Local Government Services, Department of Community Affairs, State of New Jersey (the "Division"), 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 Authority'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 Authority's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

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

The Honorable Chairman and Members
of the Morris County Municipal
Utilities Authority
Page 2

Opinions

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

Emphasis of Matter

As discussed in Note 18 to the basic financial statements, the Authority implemented Governmental Accounting Standards Board ("GASB") Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other than Pensions*, during the year ended December 31, 2018. Our opinions are not modified with respect to this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, which follows this report, the pension and post-retirement benefit schedules in Schedules 1 to 5 and the related notes be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Authority's basic financial statements. The accompanying supplementary information schedules and the schedules of expenditures of federal and state awards, as required by Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*; and New Jersey's OMB Circular 15-08, *Single Audit Policy for Recipients of Federal Grants, State Grants and State Aid*, and the other information, such as the introductory section and statistical sections are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The Honorable Chairman and Members
of the Morris County Municipal
Utilities Authority
Page 3

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

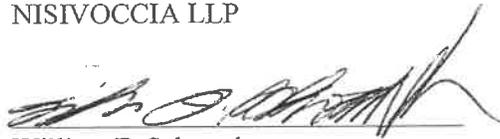
The accompanying introductory section has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated May 15, 2019 on our consideration of the Authority's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Authority's internal control over financial reporting and compliance.

Mt. Arlington, New Jersey
May 15, 2019

NISIVOCCIA LLP



William F. Schroeder
Registered Municipal Accountant #452
Certified Public Accountant

MANAGEMENT DISCUSSION AND ANALYSIS
(Unaudited)

This section presents management's analysis of the Authority's financial condition and activities for the year. This information should be read in conjunction with the financial statements.

Financial Highlights

Management believes the Authority's financial position remains strong. The Authority is well within its stringent financial policies and guidelines set by the Board and management. The following are key highlights:

- During year 2018, the Authority shipped 417,004 tons of solid waste to the landfills. This is 21,198 tons more than 2017 or a 5.36% increase.
- In addition to the above, the Authority's recycling of various types of recyclable waste removed 14,916 tons from the waste stream. This is compared to 15,714 tons collected during 2017, which represents a 5.00% decrease. The Household Hazardous Waste (HHW) facility eliminated another 85.11 tons of hazardous waste from the waste stream. Additionally, several HHW/Used Consumer Electronics (UCE) collection events were conducted in the County. A total of 2,527 participants delivered another 68.96 tons of HHW material. This is significant for several reasons. The first being the removal of harmful chemicals which, if disposed of illegally, could impact the aquifer water quality. Also, it allows for the capture of precious metals used in the manufacture of computers and various other types of equipment.
- For the year 2018, the Authority delivered 1.497 billion gallons of potable water compared to 1.533 billion gallons delivered in 2017. This represents a decrease of 2.35%.

Overview of the Financial Statements

The Management's Discussion and Analysis (MD&A) serves as an introduction to, and should be read in conjunction with the financial statements and supplementary information. The Management's Discussion and Analysis represents management's examination and analysis of the Authority's financial condition and performance. Summary financial statement data, key financial and operational indicators used in the Authority's strategic plan, budget, and other management tools were used for this analysis.

The financial statements report information about the Authority using full accrual accounting as utilized by similar government activities. The financial statements include a statement of net position; a statement of revenue, expenses, and changes in net position; a statement of cash flows and notes to the financial statements. In addition, there are several supplementary information schedules.

The *statement of net position* presents the financial position of the Authority on a full accrual historical cost basis. The statement of net position presents information on all of the Authority's assets and liabilities as well as any deferred inflows or outflows of resources, with the difference reported as net position. Over time, increases and decreases in net position is one indicator of whether the financial position of the Authority is improving or deteriorating.

While the statement of net position provides information about the nature and amount of resources and obligations at year-end, the *statement of revenues, expenses, and changes in net position* presents the results of the business activities over the course of the year and information as to how the net position changed during the year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of the related cash flows. This statement also provides certain information about the Authority's recovery of its costs. Rate setting policies use different methods of cost recovery not fully provided for by generally accepted accounting principles.

The *statement of cash flows* presents changes in cash and cash equivalents, resulting from operational, financing, and investing activities. This statement presents cash receipts and cash disbursement information, without consideration of the earnings event, when an obligation arises, or depreciation of capital assets.

The *notes to the financial statements* provide additional information essential to a full understanding of the Authority's financial statements.

The *supplementary information schedules* provide detailed comparison of budget to actual expenses and other information.

Financial Conditions

The Authority's financial condition remained strong at year-end with adequate liquid assets, reliable plants and systems to meet demand, and a reasonable level of unrestricted net position. The current financial condition, technical support staff capabilities, and operating and expansion plans to meet anticipated customer needs are well balanced and under control.

The Authority's total net position increased from the prior year by \$6.38 million. The analysis below focuses on the Authority's net position (Table I) and changes in net position (Table 2) as compared to the prior year.

Financial Conditions (Cont'd)

	December 31, 2018	Restated 2017	Increase/ (Decrease) from 2017	Percentage of Increase (Decrease)
Current and Other Assets	\$ 48,881,883	\$ 42,616,544	\$ 6,265,339	
Capital Assets, Net	28,612,156	29,451,905	(839,749)	
Total Assets	77,494,039	72,068,449	5,425,590	7.53%
Deferred Outflows	1,978,241	2,822,424	(844,183)	
Current Liabilities	4,662,324	6,037,622	(1,375,298)	
Non-Current Liabilities	36,540,245	41,819,678	(5,279,433)	
Total Liabilities	41,202,569	47,857,300	(6,654,731)	-13.91%
Deferred Inflows	7,130,620	2,277,296	4,853,324	
Net Position:				
Investment in Capital Assets	28,612,156	29,451,905	(839,749)	
Unrestricted / (Deficit)	2,526,935	(4,695,628)	7,222,563	
Total Net Position	\$ 31,139,091	\$ 24,756,277	\$ 6,382,814	25.78%

Total net position increased 25.78%. Investment in capital assets decreased \$839,749 due to a cancellation of Construction in Progress of \$9,924 and current year depreciation of \$1,474,987; offset by an increase in capital additions of \$645,162. Unrestricted net position increased \$7,222,563. This is a result of adopting a conservative and balanced budget.

Financial Conditions (Cont'd)

Changes in the Authority's net position can be determined by reviewing the following condensed Statement of Revenue, Expenses and Changes in Net Position for the two years.

Table II

	December 31,		Increase/ (Decrease) from 2017	Percentage of Increase/ Decrease
	2018	Restated 2017		
Operating Revenue	\$ 46,666,730	\$ 44,318,785	\$ 2,347,945	
Nonoperating Revenue	1,197,906	680,889	517,017	
Total Revenue	47,864,636	44,999,674	2,864,962	6.37%
Water Division	2,803,560	4,754,232	(1,950,672)	
Solid Waste Division	37,203,275	47,571,200	(10,367,925)	
Depreciation	1,474,987	1,331,155	143,832	
Total Expenses	41,481,822	53,656,587	(12,174,765)	-22.69%
Change in Net Position Before Other and Special Items	6,382,814	(8,656,913)	15,039,727	-173.73%
Other and Special Items		(20,331)	20,331	-100.00%
Change in Net Position	6,382,814	(8,677,244)	15,060,058	-173.56%
Beginning Net Position	24,756,277	33,433,521	(8,677,244)	-25.95%
Ending Net Position	\$ 31,139,091	\$ 24,756,277	\$ 6,382,814	25.78%

Results of Operations

Operating Revenues: Revenue from operations falls into several categories: Water Operations, Tipping Fees, Vegetative Waste, Household Hazardous Waste, Curbside Recycling, Water Other Receipts and Solid Waste Other Receipts. Water charges increased \$47,633 or 1.26%, tipping fee revenue increased \$2,390,149 or 6.32%, vegetative waste revenue increased \$14,023 or 2.95%, household hazardous waste revenue decreased \$4,431 or 11.88%, curbside recycling revenue decreased \$124,182 or 5.81%, water other receipts decreased \$35,783 or 78.48% and solid waste other receipts increased \$60,536 or 153.54%.

Capital Contributions and Grants: Under the terms and conditions of a 1971 agreement with the County, the Authority is limited in its ability to incur long term debt. The Authority may issue temporary financing, i.e., Bond Anticipation Notes; however, the aggregate may not exceed \$5,000,000.

The Authority realized revenue of \$415,228 in State grants. Of this amount, \$251,314 was used to operate the household hazardous waste facility.

Expenses: The Authority operates two trash transfer stations and a co-located household hazardous waste facility, as well as a curbside collection program which provides recyclable waste pickup and marketing for approximately half of the municipalities in the county. In addition, the Authority operates two vegetative waste facilities for the collection of such waste into processed compost and mulch for sale to residents and businesses. Lastly, the Authority operates and maintains a potable water treatment and delivery system.

Total operating and nonoperating expenses decreased \$12,174,765 or 22.69% from 2017. Solid waste expenses increased \$2,181 or 0.01% and water expenses decreased \$137,330 or 3.61%. Included in those amounts is depreciation, which overall increased \$143,832 or 10.81%. The increase in solid waste expenses is primarily due to an increase in contracted expenses for transport and disposal and transfer station operations and the change in net pension liability and related deferred inflows and outflows; offset by a decrease in accrual of other postemployment benefits. The decrease in water expenses is primarily due to a decrease in accrual of other postemployment benefits and a decrease in engineering services as majority of the Markewicz Pump Station electrical upgrade took place in 2017; offset by the change in net pension liability and related deferred inflows and outflows.

Budgetary Highlights: Over the course of the year, the Authority's Board of Directors approved amendments to the original adopted budget. Anticipated revenues and appropriations were increased from \$46,012,159 to \$48,474,972.

Capital Assets: As of December 31, 2018, the Authority had \$28.61 million invested in capital assets, including land, two transfer stations, a household hazardous waste facility, two vegetative waste facilities and a potable water treatment and delivery system. This amount represents a decrease of \$839,749 from the prior year.

The following table summarizes the Authority's capital assets, net of accumulated depreciation and changes therein, for the years ended December 31, 2018 and 2017. These changes are also presented in Note 2 to the financial statements.

	December 31,	December 31,	Increase/ (Decrease) from 2017	Percentage of Increase/ (Decrease)
	2018	2017		
Land	\$ 2,756,724	\$ 2,756,724		0.00%
Construction in Progress		2,144,924	\$ (2,144,924)	100.00%
Buildings, Building Improvements, Vehicles and Machinery and Equipment	59,299,023	56,518,861	2,780,162	4.92%
Total	62,055,747	61,420,509	635,238	1.03%
Less:				
Accumulated Depreciation	33,443,591	31,968,604	1,474,987	4.61%
Capital Assets, Net of Accumulated Depreciation	\$28,612,156	\$29,451,905	\$ (839,749)	-2.85%

Long-term Debt: In 2018, the net pension liability decreased by \$1,559,306 and OPEB liability decreased \$3,710,144.

Table IV
Outstanding Long-Term Debt

	Dec. 31, 2018	Restated Dec. 31, 2017	Increase/ (Decrease) from 2017	Percent of Increase/ (Decrease)
Compensated Absences	\$ 425,467	\$ 435,450	\$ (9,983)	-2.29%
Net Pension Liability	8,232,200	9,791,506	(1,559,306)	-15.93%
Net OPEB Liability	27,882,578	31,592,722	(3,710,144)	-11.74%
	<u>\$ 36,540,245</u>	<u>\$ 41,819,678</u>	<u>\$ (5,279,433)</u>	-12.62%

Cash Flow Activity: The cash and cash equivalents at year-end 2018 increased by \$5,497,045, or 15.73% from the previous year. The Authority maintains an adequate cash balance to meet future emergencies and capital requirements.

Factors Bearing on the Authority's Future: The Authority's past and present daily operations include activities which are subject to extensive federal and state environmental regulations. Compliance with these regulations has not had, nor does the Authority expect such compliance to have, any material effect upon expected capital expenses, net position, financial condition or competitive position of the Authority. The Authority believes that its current practices and procedures comply with applicable regulations. The Authority's policy is to accrue environmental and related costs of a non-capital nature when it is both probable that a liability has been incurred and that the amount can be reasonably estimated.

The passage of the Highlands Water Protection and Planning Act, N.J.S.A. 13:20-1 introduces potential limitations to future demands of growth within the Authority's franchise area. The Act may also result in additional regulations involving Authority projects. These potential conditions are not expected to have any material effect upon the financial condition or competitive position of the Authority.

Final Comments: The Authority is developing a plan to meet future water supply demands within its franchise area. In addition, emergency backup provisions have been adopted with another Authority. Infrastructure improvements, vehicle and equipment replacement continue to be a priority of the Authority.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
STATEMENT OF NET POSITION
DECEMBER 31, 2018

ASSETS

Current Assets:

Cash and Cash Equivalents	\$	27,276,599
Investments		18,466,160
		45,742,759
Tipping Fees Receivable		1,924,328
Vegetative Waste Receivable		161,116
Curbside Recycling Receivable		530,571
Household Hazardous Waste Receivable		3,050
Other Solid Waste Receivable		2,300
Water Charges Receivable		517,759
		48,881,883

Noncurrent Assets:

Capital Assets, Net:

Sites (Land)		2,756,724
Depreciable Buildings and Building Improvements and Machinery and Equipment		25,855,432
		28,612,156

TOTAL ASSETS

77,494,039

DEFERRED OUTFLOWS OF RESOURCES

Deferred Outflows Related to Pensions		1,637,501
Pension Contribution Subsequent to the Measurement Date		417,958
		2,055,459

Total Deferred Outflows of Resources

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
STATEMENT OF NET POSITION
DECEMBER 31, 2018
(Continued)

LIABILITIES

Current Liabilities:

Accounts Payable - Vendors	\$ 3,469,576
Unearned Revenue	128,728
Escrow Deposits	1,061,020
Security Deposit	3,000
Total Current Liabilities	4,662,324

Non-Current Liabilities:

Compensated Absences Payable	425,467
Net Pension Liability	8,232,200
Other Postemployment Benefits Obligation	27,882,578
Total Non-Current Liabilities	36,540,245

Total Liabilities

	41,202,569
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DEFERRED INFLOWS OF RESOURCES:

Deferred Inflows Related to Pensions	3,133,815
Deferred Inflows Related to Other Postemployment Benefits Obligation	4,074,023
Total Deferred Inflows of Resources	7,207,838

NET POSITION

Investment in Capital Assets	28,612,156
Unrestricted	2,526,935
Total Net Position	\$ 31,139,091

THE ACCOMPANYING NOTES TO FINANCIAL STATEMENTS
ARE AN INTEGRAL PART OF THIS STATEMENT

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
STATEMENT OF REVENUE, EXPENSES, AND CHANGES IN NET POSITION
FOR THE YEARS ENDED DECEMBER 31, 2018 AND 2017
FOR THE YEAR ENDED DECEMBER 31, 2018

Operating Revenue:	
Water Charges	\$ 3,826,021
Tipping Fees	40,196,851
Vegetative Waste Receipts	489,473
Other Receipts - Water Division	9,810
Other Receipts - Solid Waste Division	99,963
Household Hazardous Waste	32,864
Curbside Recycling Receipts	2,011,748
Total Operating Revenue	46,666,730
Operating Expenses:	
Water Division Expenses	2,803,560
Solid Waste Division Expenses	37,203,275
Depreciation	1,474,987
Total Operating Expenses	41,481,822
Operating Income	5,184,908
Nonoperating Revenue / (Expenses):	
State of NJ Grant Revenue:	
Clean Communities Grant	112,432
Recycling Enhancement Grant	302,796
Interest Earned on Investments	589,874
Prior Year Accounts Payable - Cancelled	192,804
Total Nonoperating Revenue (Expenses)	1,197,906
Change in Net Position	6,382,814
Net Position, Beginning of Year (Restated)	24,756,277
Net Position, End of Year	\$ 31,139,091

THE ACCOMPANYING NOTES TO FINANCIAL STATEMENTS
ARE AN INTEGRAL PART OF THIS STATEMENT

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
STATEMENT OF CASH FLOWS
FOR THE YEAR ENDED DECEMBER 31, 2018

CASH FLOWS FROM OPERATING ACTIVITIES	
Cash Received from Customers	\$ 46,018,487
Cash Paid to Suppliers and Employees	<u>(40,148,951)</u>
Net Cash Provided by Operating Activities	<u>5,869,536</u>
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES	
Purchase of Capital Assets	(645,162)
Construction in Progress	<u>(713,238)</u>
Net Cash Used for Capital and Related Financing Activities	<u>(1,358,400)</u>
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES	
Grants Received	<u>396,035</u>
Net Cash Provided by Noncapital Financing Activities	<u>396,035</u>
CASH FLOWS FROM INVESTING ACTIVITIES	
Interest on Investments	<u>589,874</u>
Net Cash Provided by Investing Activities	<u>589,874</u>
Net Increase in Cash and Cash Equivalents and Investments	5,497,045
Cash and Cash Equivalents and Investments - Beginning of Year	<u>40,245,714</u>
Cash and Cash Equivalents and Investments - End of Year	<u>\$ 45,742,759</u>
Reconciliation of Net Operating Income to Net Cash	
Provided by Operating Activities:	
Operating Income	\$ 5,184,908
Adjustments to Reconcile Operating Income to Net Cash Provided by Operating Activities:	
Depreciation	1,474,987
Changes in Net Position:	
(Increase) in Tipping Fees Receivable	(516,840)
(Increase) in Vegetative Waste Receivable	(50,313)
(Increase) in Curbside Recycling Receivable	(196,951)
(Increase) in Household Hazardous Waste Receivable	(733)
(Increase) in Other Solid Waste Receivable	(2,300)
(Increase) in Water Charges Receivable	(1,157)
Decrease in Deferred Outflows Related to Pensions	789,250
(Decrease) in Accounts Payable - Operating	(582,475)
Increase in Escrow Deposits	120,051
(Decrease) in Compensated Absences Payable	(9,983)
(Decrease) in Net OPEB Liability	(3,710,144)
(Decrease) in Net Pension Liability	(1,559,306)
Increase in Deferred Inflows Related to Pensions	856,519
Increase in Deferred Inflows Related to OPEB	<u>4,074,023</u>
Total Adjustments	<u>684,628</u>
Net Cash Provided by Operating Activities	<u>\$ 5,869,536</u>

THE ACCOMPANYING NOTES TO FINANCIAL STATEMENTS ARE AN INTEGRAL PART TO THIS STATEMENT

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018

Note 1 - Organization and Summary of Significant Accounting Policies

Authorization Legislation - The Morris County Municipal Utilities Authority, hereinafter called the "Authority", was created in 1958 as a public body corporate and politic of the State of New Jersey by the Board of Chosen Freeholders of the County of Morris pursuant to N.J.S.A. 40:14B-1 et seq. The Authority was established to protect the County water supply and prevent further diversion to areas outside the County. The Authority is currently utilizing two well field sites (Alamatong and Flanders Valley) and purchases water from Southeast Morris County Municipal Utilities Authority. The Authority is presently supplying water to the Townships of Randolph, Roxbury, Denville, Jefferson, Parsippany-Troy Hills and Mine Hill, Boroughs of Mount Arlington and Wharton, the Southeast Morris County Municipal Utilities Authority, and New Jersey American Water Company.

On September 23, 1987, the Board of Chosen Freeholders of the County of Morris designated the Morris County Municipal Utilities Authority as the agency to design and construct a solid waste system, including transfer stations, solid waste disposal facilities and other facilities for the collection, treatment and disposal of solid waste in accordance with the solid waste management plan of Morris County, as amended from time to time.

A. Basis of Presentation and Accounting

The Authority utilizes the accrual basis of accounting whereby revenue is recorded as earned and expenses are reflected as the liability is incurred. Operating revenue, such as charges for services result from exchange transactions associated with the principal activity of the Authority. Exchange transactions are those in which each party receives and gives up essentially equal value. Nonoperating revenue, such as subsidies and investment earnings, results from nonexchange transactions or ancillary activities. Nonexchange transactions, in which the Authority gives or receives value without directly receiving or giving equal value in exchange, generally do not occur, with the exception of investment earnings and interest expense.

All activities of the Authority are accounted for within a single proprietary (enterprise) fund. Proprietary funds are used to account for operations that are (a) financed and operated in a manner similar to private business enterprises where the intent of the governing body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges; or (b) where the governing body has decided that periodic determination of revenue earned and/or expenses incurred is appropriate for capital maintenance, public policy, management control, accountability, or other purposes.

The accounting and financial reporting treatment applied to the Authority is determined by its measurement focus. The transactions of the Authority are accounted for on a flow of economic resources measurement focus. With this measurement focus, all assets and all liabilities associated with the operations are included on the Statement of Net Position. Net position (i.e., totals assets and deferred outflows net of total liabilities and deferred inflows) are segregated into "Investment in capital assets" and "unrestricted" components.

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make certain estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the balance sheet date, and reported amounts of revenue and expenses during the reporting period. Estimates are used to determine depreciation expense, the allowance for doubtful accounts and certain claims and judgment liabilities, among other accounts. Actual results may differ from those estimates.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 1 - Organization and Summary of Significant Accounting Policies (Cont'd)

A. Basis of Presentation and Accounting (Cont'd)

Reporting Entity

Governmental Accounting Standards Board ("GASB") Codification Section 2100, "Defining the Financial Reporting Entity" establishes standards to determine whether a governmental component unit should be included in the financial reporting entity. Component units are legally separate organizations for which the elected officials of the primary government are financially accountable. In addition, component units can be other organizations for which the nature and significance of their relationship with a primary government are such that exclusion would cause the reporting entity's financial statements to be misleading. The primary government is financially accountable if it appoints a voting majority of the organization's governing body and (1) it is able to impose its will on that organization or (2) there is a potential for the organization to provide specific financial benefits to, or impose specific financial burdens on, the primary government. A legally separate, tax-exempt organization should be reported as a component unit of a reporting entity if all of the following criteria are met: (1) The economic resources received or held by the separate organization are entirely or almost entirely for the direct benefit of the primary government, its component units, or its constituents. (2) The primary government, or its component units, is entitled to, or has the ability to otherwise access, a majority of the economic resources received or held by the separate organization. (3). The economic resources received or held by an individual organization that the specific primary government, or its component units, is entitled to, or has the ability to otherwise access, are significant to that primary government. There were no additional entities required to be included in the reporting entity under the criteria as described above, in the current fiscal year. The Authority is a component unit of the County of Morris under the provisions of GASB Codification Section 2100.

B. Grants

Recognition of revenue from grants is based on the accrual basis of accounting. Grant funds received before costs are incurred are recorded as unearned revenue.

Grant related expenditures incurred in advance of receipt of grant funds result in the recording of receivables and revenue. Grants not externally restricted and utilized to finance operations are identified as nonoperating revenue.

C. Inventories

The cost of inventories of supplies are recorded as expenses at the time individual items are purchased, since they are immaterial to the financial position and results of operations.

D. Cash and Cash Equivalents

Amounts include petty cash, change funds, amounts on deposit, and short-term investments with original maturities of three months or less.

E. Investments

The Authority generally records investments at fair value and records the unrealized gains and losses as part of investment income. Fair value is the price that would be received to sell an investment in an orderly transaction between market participants at the measurement date.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 1 - Organization and Summary of Significant Accounting Policies (Cont'd)

E. Investments (Cont'd)

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

F. Use of 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 revenue and expenses during the reporting period. Actual results could differ from the estimates.

G. Compensated Absences

The Authority accounts for compensated absences (e.g., unused vacation, sick leave) as directed by Governmental Accounting Standards Board Statement No. 16 (GASB 16), *Accounting for Compensated Absences*. A liability for compensated absences attributable to services already rendered and not contingent on a specific event that is outside the control of the employer and employee is accrued as employees earn the rights to the benefits.

Authority employees are granted varying amounts of vacation and sick leave in accordance with the Authority's various employee contracts/agreements. Upon termination, employees are paid for accrued vacation and sick leave. These employee contracts/agreements permit employees to accumulate unused sick leave and carry forward the full amount to subsequent years. Upon retirement, employees shall be paid by the Authority for the unused vacation and sick leave in accordance with the Authority's applicable employee contracts/agreements.

In the *Statement of Net Position*, the liabilities, whose average maturities are greater than one year, should be reported in two components – the amount due within one year and the amount due in more than one year. Compensated absences are accrued and reported as a liability in the period earned. The balance as of December 31, 2018 was \$425,467, which is included on the Statement of Net Position as a non-current liability.

H. Net Position

Net Position is the difference between (a) assets and deferred outflows of resources and (b) liabilities and deferred inflows of resources.

A deferred outflow of resources is a consumption of net position by the Authority that is applicable to a future reporting period. The Authority had deferred outflows of resources at December 31, 2018 related to pensions.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 1 - Organization and Summary of Significant Accounting Policies (Cont'd)

H. Net Position (Cont'd)

A deferred inflow of resources is an acquisition of net position by the Authority that is applicable to a future reporting period. The Authority had deferred inflows of resources related to pensions and OPEB at December 31, 2018.

Net position is displayed in three components - investment in capital assets; restricted and unrestricted.

The investment in capital assets component of net position consists of capital assets, net of accumulated depreciation, reduced by the outstanding balances of borrowings that are attributable to the acquisition, construction, or improvement of those assets. Deferred outflows of resources and deferred inflows of resources that are attributable to the acquisition, construction, or improvement of those assets or related debt also would be included in this component of net position.

The restricted component of net position consists of restricted assets reduced by liabilities and deferred inflows of resources related to those assets.

The unrestricted component of net position is the net amount of the assets, deferred outflows of resources, liabilities, and deferred inflows of resources that are not included in the determination of investment in capital assets or the restricted component of net position.

I. Allowance for Uncollectible Accounts

All receivables are reported at their gross values and, where appropriate, are reduced by the estimated portion that is expected to be uncollectible. The allowance is established at the discretion of management of the Authority as deemed necessary based on prior collection history.

J. Revenue Recognition

Customers are billed monthly and revenue is recorded net of any discounts, assessments or abatements, if applicable.

K. Capital Contributions

Transmission and distribution system assets contributed to the Authority by installers are capitalized at the installers' costs, which approximate fair value at the time of the Authority's acquisition, and are recorded as capital contributions when received.

L. Storage Facilities

The Authority utilizes five storage facilities (Mine Hill, Mount Arlington and three in Randolph) for their water division. (See Note 12)

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 1 - Organization and Summary of Significant Accounting Policies (Cont'd)

M. 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 State of New Jersey Public Employees' Retirement System (PERS) and additions to/deductions from the PERS's net position have been determined on the same basis as they are reported by the PERS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Pension Plan investments are reported at fair value.

Note 2 - Capital Assets

Capital assets are recorded at cost and consisted of the following, as of December 31, 2017 and 2018:

	<u>Beginning Balance</u>	<u>Increases</u>	<u>(Decreases)/ Adjustments</u>	<u>Ending Balance</u>
Capital Assets not Being Depreciated:				
Sites (Land)	\$ 2,756,724			\$ 2,756,724
Construction in Progress	2,144,924		\$(2,144,924)	
Total Capital Assets Not Being Depreciated	<u>4,901,648</u>		<u>(2,144,924)</u>	<u>2,756,724</u>
Capital Assets Being Depreciated:				
Buildings, Building Improvements, Vehicles and Machinery and Equipment	56,518,861	\$ 645,162	2,135,000	59,299,023
Total Capital Assets	<u>61,420,509</u>	<u>645,162</u>	<u>(9,924)</u>	<u>62,055,747</u>
Less Accumulated Depreciation for:				
Buildings, Building Improvements, Vehicles and Machinery and Equipment	31,968,604	1,474,987		33,443,591
Capital Assets Net of Accumulated Depreciation	<u>\$ 29,451,905</u>	<u>\$ (829,825)</u>	<u>\$ (9,924)</u>	<u>\$ 28,612,156</u>

Property and equipment are recorded at cost. Depreciation is provided on the straight-line method over the estimated useful lives of the respective assets. Maintenance and repairs are charged to expense as incurred; major renewals and betterments are capitalized. Capital assets are reviewed for impairment.

Major classes of property, plant and equipment and their estimated useful lives are summarized below:

	<u>Estimated Useful Life</u>
Vehicles	5 Years
Recycling Equipment	15 Years
Transfer Stations	40 Years
Transmission Facilities	40 Years

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
 (Continued)

Note 3 - Service Contract

A 1971 Service Contract between the Authority and the County of Morris requires the Authority to supply water to municipalities in the County and to establish such annual service charges to the County that will be sufficient to (1) pay or provide for the expenses of operations and maintenance of the water system and the principal of and interest on any and all bonds as the same become due; (2) maintain such reserves and sinking funds as may be required by the terms of any contract of the Authority or any bond resolution, or as may be deemed necessary or desirable by the Authority; and (3) comply in all respects to the terms and provisions of any bond resolution of the Municipal Authorities Law (N.J.S.A. 40:14B-1 et seq.).

Note 4 - Cash and Cash Equivalents and Investments

Cash and cash equivalents include petty cash, change funds, amounts in deposits, money market accounts, and short-term investments with original maturities of three months or less.

The Authority classifies certificates of deposit which have original maturity dates of more than three months but less than twelve months from the date of purchase, as investments.

GASB requires disclosure of the level of custodial credit risk assumed by the Authority in its cash, cash equivalents and investments, if those items are uninsured or unregistered. Custodial risk is the risk that in the event of bank failure, the government's deposits may not be returned.

Interest Rate Risk – In accordance with its cash management plan, the Authority ensures that any deposit or investment matures within the time period that approximates the prospective need for the funds, deposited or invested, so that there is not a risk to the market value of such deposits or investments.

Credit Risk – The Authority limits its investments to those authorized in its cash management plan which are permitted under state statutes as detailed on the following page.

Custodial Credit Risk – The Authority's policy with respect to custodial credit risk requires that the Authority ensures that Authority funds are only deposited in financial institutions in which NJ municipalities are permitted to invest their funds.

Deposits:

New Jersey statutes require that authorities deposit public funds in public depositories located in New Jersey which are insured by the Federal Deposit Insurance Corporation, or by any other agency of the United States that insures deposits made in public depositories. Authorities are also permitted to deposit public funds in the State of New Jersey Cash Management Fund

New Jersey statutes require public depositories to maintain collateral for deposits of public funds that exceed insurance limits as follows:

The market value of the collateral must equal 5% of the average daily balance of collected public funds on deposit, and

In addition to the above collateral requirement, if the public funds deposited exceed 75% of the capital funds of the depository, the depository must provide collateral having a market value at least equal to 100% of the amount exceeding 75%.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 4 - Cash and Cash Equivalents and Investments (Cont'd)

Deposits: (Cont'd)

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.

Investments:

New Jersey statutes permit the Authority to purchase the following types of securities:

- (1) Bonds or other obligations of the United States of America or obligations guaranteed by the United States of America;
- (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 local unit or bonds or other obligations of school districts of which the local unit 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, issued by New Jersey school districts, municipalities, counties and entities subject to the "Local Authorities Fiscal Control Law" P.L. 1983, c. 313 (C.40A:5A-1 et seq.) Other bonds or obligations having a maturity date not more than 397 days from the date of purchase may be approved by the Division of Local Government Services in the Department of Community Affairs for investment by local units;
- (6) Local government investment pools;
- (7) Deposits with the State of New Jersey Cash Management Fund established pursuant to section 1 of P.L. 1977, c.281 (C.52:18A-90.4); 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 subsection a. or are bonds or other obligations, having a maturity date not more than 397 days from the date of purchase, issued by New Jersey school districts, municipalities, counties and entities subject to the "Local Authorities Fiscal Control Law", P.L. 1983 c.313 (C.40A:5A-1 et seq.);
 - (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); and
 - (e) a master repurchase agreement providing for the custody and security of collateral is executed.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 4 - Cash and Cash Equivalents and Investments (Cont'd)

As of December 31, 2018, cash and cash equivalents and investments of the Morris County Municipal Utilities Authority consisted of the following:

<u>Cash on Hand</u>	<u>Checking/ Savings Accounts</u>	<u>Investments Certificates of Deposits</u>	<u>Total</u>
\$ 450	\$27,276,149	\$18,466,160	\$ 45,742,759

The carrying amount of the Morris County Municipal Utilities Authority cash and cash equivalents and investments at year end was \$45,742,759 and the bank balance was \$52,867,596.

Note 5 - Transfer Station Services

Commencing on January 1, 1995, the Authority took control over several key operational responsibilities at its two transfer stations, including all billing services, scale house operations, inspection, enforcement and overall management. The Authority also took control of the Haulers' escrow deposits. All Haulers who make more than 3 deliveries of waste to the transfer stations are required to maintain a cash escrow deposit with the Authority. J.P. Mascaro & Sons, an independent contractor, provides waste handling, facility maintenance, and transportation services associated with the two transfer stations.

Note 6 - State Flow Control Regulations

On November 10, 1997, the U.S. Supreme Court denied a petition for certification in the Atlantic Coast case which gives full force and effect to the Third Circuit Court of Appeals' decision which invalidated New Jersey's waste flow system except to the extent that waste flow directives result from a competitive procurement process. Although the Authority is not a party in this litigation, the ruling potentially impacts the operations of the Authority.

The Authority submitted an Administrative Action dated December 9, 1997 to NJDEP in accordance with N.J.A.C. 7:26-6.11(b)a. The Administrative Action demonstrated that the Authority's procurement of both, the Easement Agreement for landfill capacity dated January 6, 1993 and the transfer station operations and transportation contract on November 7, 1997 satisfied the requirements of Atlantic Coast Demolition and Recycling, Inc. v. Board of Chosen Freeholders, 112 F.2d 652 (3d.Cir.2000) cert. denied November 10, 1997. By letter dated January 9, 1998, the NJDEP approved the Administrative Action. Thus, directed waste flow continues to be legally enforceable in Morris County.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
 (Continued)

Note 7- 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 disasters. Workers compensation insurance and unemployment insurance are covered under the County of Morris. Health benefits are also covered under the County of Morris, however the Authority advances funds to Cigna to pay medical and prescription claims and administrative costs for Morris County Municipal Utilities Authority employees.

The Authority is a member of the Morris County Insurance Fund. The Fund provides its members with Liability, Property, and Automobile Insurance. The Fund is a risk-sharing public entity risk pool that is both an insured and self administered group of governmental entities established for the purpose of providing low-cost insurance coverage for their respective members in order to keep local property taxes at a minimum.

As a member of the Fund, the Authority could be subject to supplemental assessments in the event of deficiencies. If the assets of the Fund were to be exhausted, members would become responsible for their respective shares of the Fund's liabilities.

The Fund can declare and distribute dividends to members upon approval of the Insurance Commissioners. These distributions are divided amongst the members in the same ratio as their individual assessment relates to the total assessment of the membership body.

The December 31, 2018 audit report of the Fund is not available as of the date of this report.

Summarized, selected financial information for the year ended December 31, 2017 for the Fund is as follows:

Total Assets	<u>\$ 11,030,258</u>
Net Position	<u>\$ 7,087,996</u>
Total Revenue	<u>\$ 3,309,385</u>
Total Expenses	<u>\$ 3,106,211</u>
Change in Net Position	<u>\$ 203,174</u>
Members Dividends	<u>\$ -0-</u>

Financial statements for the Fund are available at the offices of the Morris County Treasurer:

County of Morris
 Administration & Records Building
 4th Floor, CN 900
 Morristown, NJ 07963

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 8 - Related Party Transactions

The Authority and the County of Morris had several related party transactions throughout the year in the ordinary course of operations. Total reimbursements to the County were approximately \$2,581,167 for 2018 and \$2,523,894 for 2017 which consisted of medical claims, workers compensation and liability insurance, pension expense, vehicle maintenance and fuel, metered mail and various printing and office supplies.

Note 9 - Contractual Commitments

The Authority has entered into several contracts in the normal course of its business operations to provide solid waste and water services to their customers, including other local governments. Below is a summary of some of the significant contracts or agreements:

The Authority has a contract with J.P. Mascaro & Sons, Inc for transportation and landfill at \$53.67 per ton and for transfer station operations at \$10.01 per ton during 2018. This contract expires in May 2020.

The Authority has a lease agreement with Parsippany-Troy Hills Township for the Par-Troy transfer station.

The Authority has a marketing contract with ReCommunity for recycling of single-stream recyclable materials which currently expires May 31, 2020.

The Authority has contracts with MXI, Inc. with total annual cost of \$225,586 for services related to the household hazardous waste facility.

Note 10 - Intraentity and Interfund Transfers

In the normal course of business, the Authority will, from time to time, authorize advances between accounts. During 2018, the Authority made no transfers between operating and capital accounts. There were no advances outstanding as of December 31, 2018.

Note 11 - Accounts Payable and Accrued Expenses

Accounts payable and accrued expenses were as follows:

	<u>2018</u>	<u>2017</u>
Vendors - Operating	\$ 2,765,129	\$ 4,413,074
Contribution Subsequent to the Measurement Date - Pensions	417,958	395,673
Accrued Salaries and Benefits	<u>286,489</u>	<u>136,985</u>
Total	<u>\$ 3,469,576</u>	<u>\$ 4,945,732</u>

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 12 - Storage Facilities

The Authority utilizes five water storage facilities (Mine Hill, Mount Arlington and three in Randolph) for their water division. Investment in the storage facilities totals \$5,821,334 which is included in Capital Assets.

Note 13 - Capital Contributions and Grants

The Authority periodically receives capital grants from certain governmental agencies to be used for various purposes connected with the planning, modernization, and expansion of facilities and equipment. Capital grants of the Authority are reported as non-operating revenue.

Note 14 - Environmental Matters

The Authority's past and present daily operations include activities which are subject to extensive federal and state environmental regulations. Compliance with these regulations has not had, nor does the Authority expect such compliance to have, any material effect upon expected capital expenses, financial condition or competitive position of the Authority. The Authority believes that its current practices and procedures comply with applicable regulations. The Authority's policy is to accrue environmental and related costs of a non-capital nature when it is both probable that a liability has been incurred and that the amount can be reasonably estimated. No such amounts have been accrued in these statements.

Note 15 - Contingencies

The Authority is periodically involved in various lawsuits, claims, and grievances arising in the normal course of business, including claims for personal injury and personnel practices, property damage, and disputes over eminent domain proceedings. In the opinion of the General Counsel to the Authority, payment of claims by the Authority, for amounts not covered by insurance, in the aggregate, are not expected to have a material adverse effect on the Authority's financial position.

The Authority participates in federal and state assisted grant programs. These programs are subject to financial and compliance audits by the grantors or their representatives. In the opinion of Authority Management, liabilities resulting from such disallowed expenditures, if any, will not be material to the accompanying financial statements.

Note 16 - Long Term Liabilities

During the year ended December 31, 2018, the following changes occurred in liabilities reported in the financial statements:

	Restated Balance 12/31/2017	Accrued	Retired	Balance 12/31/2018
Compensated Absences Payable	\$ 435,450	\$ 50,892	\$ 60,875	\$ 425,467
Net Pension Liability	9,791,506		1,559,306	8,232,200
Net OPEB Liability	31,592,722		3,710,144	27,882,578
	<u>\$ 41,819,678</u>	<u>\$ 50,892</u>	<u>\$ 5,330,325</u>	<u>\$ 36,540,245</u>

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
 (Continued)

Note 16 - Long Term Liabilities (Cont'd)

Net Pension Liability

The Public Employee's Retirement System (PERS) net pension liability is recorded in the current and long-term liabilities. The current portion of the net pension liability at June 30, 2018 is \$-0- and the long term portion is \$8,232,200. See Note 17 for further information on the PERS.

Net OPEB Liability

The liability for other postemployment benefit obligations is recorded in the current and long-term liabilities. The current portion of the liability at December 31, 2018 is \$-0- and the long-term portion is \$27,882,578. See Note 18 for further information on these benefits.

Note 17 - Pension Plans

Authority employees participate in a contributory, defined benefit public employee retirement system: the State of New Jersey Public Employee's Retirement System (PERS).

Public Employees' Retirement System (PERS)

Plan Description

The State of New Jersey, Public Employees' Retirement System (PERS) is a cost-sharing multiple-employer defined benefit pension plan administered by the State of New Jersey, Division of Pensions and Benefits (the Division). For additional information about the PERS, please refer to the Division's Comprehensive Annual Financial Report (CAFR) which can be found at www.state.nj.us/treasury/pensions/financial-reports.shtml.

Benefits Provided

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

The following represents the membership tiers for PERS:

Tier	Definition
1	Members who were enrolled prior to July 1, 2007
2	Members who were eligible to enroll on or after July 1, 2007 and prior to November 2, 2008
3	Members who were eligible to enroll on or after November 2, 2008 and prior to May 22, 2010
4	Members who were eligible to enroll on or after May 22, 2010 and prior to June 28, 2011
5	Members who were eligible to enroll on or after June 28, 2011

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 17 - Pension Plans (Cont'd)

Public Employees' Retirement System (PERS) (Cont'd)

Benefits Provided (Cont'd)

Service retirement benefits of 1/55th of final average salary for each year of service credit is available to Tiers 1 and 2 members upon reaching age 60 and to Tier 3 members upon reaching age 62. Service retirement benefits of 1/60th of final average salary for each year of service credit is available to Tier 4 members upon reaching age 62 and to Tier 5 members upon reaching age 65. Early retirement benefits are available to Tiers 1 and 2 members before reaching age 60, to Tiers 3 and 4 with 25 or more years of service credit before age 62 and Tier 5 with 30 or more years of service credit before age 65. Benefits are reduced by a fraction of a percent for each month that a member retires prior to the age at which a member can receive full early retirement benefits in accordance with their respective tier. Tier 1 members can receive an unreduced benefit from age 55 to age 60 if they have at least 25 years of service. Deferred retirement is available to members who have at least 10 years of service credit and have not reached the service retirement age for the respective tier.

Contributions

The contribution policy for PERS is set by N.J.S.A. 43:15A and requires contributions by active members and contributing members. The local employers' contribution amounts are based on an actuarially determined rate which includes the normal cost and unfunded accrued liability. Chapter 19, P.L. 2009 provided an option for local employers of PERS to contribute 50% of the normal and accrued liability contribution amounts certified for payments due in State fiscal year 2009. Such employers will be credited with the full payment and any such amounts will not be included in their unfunded liability. The actuaries will determine the unfunded liability of those retirement systems, by employer, for the reduced normal and accrued liability contributions provided under this law. This unfunded liability is being paid by the employer in level annual payments over a period of 15 years, which began with the payments due in the fiscal year ended June 30, 2012 and will be adjusted by the rate of return on the actuarial value of assets. Authority contributions to PERS amounted to \$395,673 for 2018.

The employee contribution rate was 7.34% effective July 1, 2017 and increased to 7.50% effective July 1, 2018. Subsequent increases after October 1, 2011 were being phased in over 7 years effective on each July 1st to bring the total pension contribution rate to 7.5% of base salary as of July 1, 2018.

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

At June 30, 2018, the Authority's liability was \$8,232,200 for its proportionate share of the net pension liability. The net pension liability was measured as of June 30, 2018, and the total pension liability used to calculate the net pension liability 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 members, actuarially determined. At June 30, 2018, the Authority's proportion was 0.041%, which was a decrease of 0.001% from its proportion measured as of June 30, 2017.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 17 - Pension Plans (Cont'd)

Public Employees' Retirement System (PERS) (Cont'd)

Pension Liabilities, Pension Expense and Deferred Outflows and Inflows of Resources Related to Pensions (Cont'd)

For the year ended December 31, 2018, the Authority recognized actual pension expense in the amount of \$346,146. At June 30, 2018, the Authority reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferral Year	Amortization Period in Years	Deferred Outflows of Resources	Deferred Inflows of Resources
Changes in Assumptions	2014	6.44	\$ 65,158	
	2015	5.72	294,085	
	2016	5.57	997,287	
	2017	5.48		\$ 1,517,542
	2018	5.63		1,114,678
			<u>1,356,530</u>	<u>2,632,220</u>
Changes in Proportion	2014	6.44		\$ 48,677
	2015	5.72		136,103
	2016	5.57		14,116
	2017	5.48	123,982	
	2018	5.63		183,033
			<u>123,982</u>	<u>381,929</u>
Net Difference Between Projected and Actual Investment Earnings on Pension Plan Investments	2015	5.00		(49,744)
	2016	5.00		(278,096)
	2017	5.00		250,300
	2018	5.00		154,758
				<u>77,218</u>
Difference Between Expected and Actual Experience	2015	5.72	81,593	
	2016	5.57	30,265	
	2017	5.48	45,131	
	2018	5.63		42,448
			<u>156,989</u>	<u>42,448</u>
Authority Contribution Subsequent to the Measurement Date	2018	1.00	417,958	
			<u>\$ 2,055,459</u>	<u>\$ 3,133,815</u>

Amounts reported as deferred outflows of resources and deferred inflows of resources (excluding employer specific amounts including changes in proportion and the Authority contribution subsequent to the measurement date) related to pensions will be recognized in pension expense as follows:

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 17 - Pension Plans (Cont'd)

Public Employees' Retirement System (PERS) (Cont'd)

Pension Liabilities, Pension Expense and Deferred Outflows and Inflows of Resources Related to Pensions
(Cont'd)

Year Ending Ending June 30,	Total
2019	\$ 57,134
2020	(79,105)
2021	(567,248)
2022	(491,699)
2023	(157,449)
	\$ (1,238,367)

Actuarial Assumptions

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

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

Pre-retirement mortality rates were based on the RP-2000 Employee Pre-retirement 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. Post-retirement 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 a generational approach based on the plan Conduent modified 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 one year for females).

The actuarial assumptions used in the July 1, 2017 valuation were based on the results of an actuarial experience study for the period July 1, 2011 to June 30, 2014. It is likely that future experience will not 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.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 17 - Pension Plans (Cont'd)

Public Employees' Retirement System (PERS) (Cont'd)

Long Term Expected Rate of Return

In accordance with State statute, the long-term expected rate of return on pension plan investments (7.00% at June 30, 2018) is determined by the State Treasurer, after consultation with the Directors of the Division of Investments and Division of Pensions and Benefits, the Board of Trustees and the actuaries. The long-term expected rate of return was determined using a building block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

Best estimates of arithmetic real rates of return for each major asset class included in PERS' target asset allocation as of June 30, 2018 are summarized in the following table:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long-Term Expected Real Rate of Return</u>
Risk Management Strategies	5.00%	5.51%
Cash Equivalents	5.50%	1.00%
U.S. Treasuries	3.00%	1.87%
Investment Grade Credit	10.00%	3.78%
High Yield	2.50%	6.82%
Global Diversified Credit	5.00%	7.10%
Credit Oriented Hedge Funds	1.00%	6.60%
Debt Related Private Equity	2.00%	10.63%
Debt Related Real Estate	1.00%	6.61%
Private Real Asset	2.50%	11.83%
Equity Related Real Estate	6.25%	9.23%
U.S. Equity	30.00%	8.19%
Non-U.S. Developed Market Equity	11.50%	9.00%
Emerging Markets Equity	6.50%	11.64%
Buyouts/Venture Capital	8.25%	13.08%

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 upon the contribution rate in the most recent fiscal year. The local employers contributed 100% of their actuarially determined contributions. Based on those assumptions, the plan's fiduciary net position was projected to be available to make projected future benefit payments of current plan members through June 30, 2046. Therefore, the long-term expected rate of return on plan investments was applied to projected benefit payments through June 30, 2046, and the municipal bond rate was applied to projected benefit payments after that date in determining the total pension liability.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 17 - Pension Plans (Cont'd)

Public Employees' Retirement System (PERS) (Cont'd)

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

The following presents the Authority's proportionate share of the collective net pension liability as of June 30, 2018 calculated using the discount rate as disclosed below, as well as what the Authority's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage-point lower or 1-percentage-point higher than the current rate:

	June 30, 2018		
	At 1% Decrease (4.66%)	At Current Discount Rate (5.66%)	At 1% Increase (6.66%)
Authority's proportionate share of the Net Pension Liability	\$ 10,351,033	\$ 8,232,200	\$ 6,454,620

Pension Plan Fiduciary Net Position

Detailed information about the pension plan's fiduciary net position is available in the separately issued PERS financial statements.

Note 18 - Post-Retirement Benefits Other Than Pensions

General Information about the Authority's OPEB Plan

The County of Morris provides post-retirement benefits, as follows, to Morris County Municipal Utilities Authority employees who meet the following criteria:

1. The Morris County Municipal Utilities Authority pays the entire cost of health care premiums for all employees and their eligible dependents who retire in good standing, on a disability pension from a New Jersey administered retirement system;
2. The Morris County Municipal Utilities Authority pays the entire cost of health care premiums for all employees and their eligible dependents who retire in good standing, with 25 years or more of service credit in a New Jersey state or locally administered retirement system, and with at least 15 years of service with the Morris County Municipal Utilities Authority at the time of retirement;
3. The Morris County Municipal Utilities Authority pays the entire cost of health care premiums for all employees and their eligible dependents who retire in good standing at age sixty-two (62 or older) with at least fifteen (15) years of service with the Morris County Municipal Utilities Authority, except employees hired after November 1, 2012 in a non-collective bargaining agreement or an expired collective bargaining agreement; and employees within a collective bargaining unit upon expiration of their agreement.

A surviving spouse is eligible for coverage if the retiree meets the eligibility criteria requirements detailed above for all employees hired prior to January 1, 2007. Employees hired after January 1, 2007 will receive health benefits for themselves only at retirement if the retiree meets the eligibility requirements detailed above.

For retirees over 65, the plan coverage under the County is secondary to Medicare. The Morris County Municipal Utilities Authority reimburses 100% of its eligible retirees' Medicare Part B premiums.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
 (Continued)

Note 18 - Post-Retirement Benefits Other Than Pensions (Cont'd)

General Information about the Authority's OPEB Plan (Cont'd)

Plan Description and Benefits Provided

The Authority provides post-retirement benefits, as follows, to Authority employees who meet the following criteria:

1. Retire after 25 or more years of service with a New Jersey State Retirement System and with at least 15 years of service with the Authority;
2. Retire after attainment of age 62 with at least 15 or more years of service with the Authority and/or County of Morris, for employees hired on or before November 1, 2012 (or later for certain collective bargaining agreements); or
3. Retire under a disability retirement from the New Jersey State Retirement System.

Benefits are provided to the retiree and, if the retiree was hired prior to a certain date, the spouse as well depending on the employee's union affiliation or whether the employee is not affiliated with a union. If the spouse is covered, benefits continue to the surviving spouse after the death of the retiree.

Certain employees hired after certain dates are not eligible for postretirement healthcare benefits. This depends on the union the employee is affiliated with or whether the employee is not affiliated with a union.

Medical benefits are provided thru fully-insured, minimum premium plans with CIGNA. There are two plans offered to retirees: a PPO plan and an HMO plan. Prescription benefits are provided through a fully-insured, minimum premium plan with CIGNA. Effective January 1, 2018, prescription drug coverage changed to self-funded. Medicare benefits coordinate with Medicare primary and the Authority plan secondary for retirees eligible for Medicare. Medicare eligible retirees and dependents are required to enroll in Medicare Part B. The Authority reimburses Medicare eligible retirees and spouses for the full cost of the Medicare Part B premium.

Contributions

The Authority's portion of post-retirement benefits is funded on a pay-as-you-go basis from the operating budget. During 2018, the Authority had approximately 22 employees who met eligibility requirements and recognized expenses of approximately \$501,789 as reimbursements to the County of Morris.

Any employee who retires after satisfying the eligibility requirements who had less than 20 years of NJ State Retirement System service as of June 28, 2011, shall be required to contribute toward the cost of postretirement healthcare. The retiree contributions are based on a percentage of the postretirement healthcare cost. The contribution percentages vary based on coverage tier and pension amounts, based on the below table:

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 18 - Post-Retirement Benefits Other Than Pensions (Cont'd)

General Information about the Authority's OPEB Plan (Cont'd)

Contributions (Cont'd)

Retirees Share of Benefit Related Costs		
Pension Range	Single	Member/Spouse
less than \$20,000	4.50%	3.50%
\$20,000- \$24,999.99	5.50%	3.50%
\$25,000- \$29,999.99	7.50%	4.50%
\$30,000- \$34,999.99	10.00%	6.00%
\$35,000- \$39,999.99	11.00%	7.00%
\$40,000- \$44,999.99	12.00%	8.00%
\$45,000- \$49,999.99	14.00%	10.00%
\$50,000- \$54,999.99	20.00%	15.00%
\$55,000- \$59,999.99	23.00%	17.00%
\$60,000- \$64,999.99	27.00%	21.00%
\$65,000- \$69,999.99	29.00%	23.00%
\$70,000- \$74,999.99	32.00%	26.00%
\$75,000- \$79,999.99	33.00%	27.00%
\$80,000- \$94,999.99	34.00%	28.00%
\$95,000- \$99,999.99	35.00%	30.00%
\$100,000	35.00%	35.00%

Employees Covered by Benefit Terms

As of January 1, 2018, there was a total of 79 active employees and retirees, reflecting the sum of 57 active employees and 22 retirees and surviving spouses.

Total OPEB Liability

The Authority's OPEB liability of \$27,882,578 was measured as of December 31, 2018 and was determined by an actuarial valuation as of January 1, 2018.

Actuarial Assumptions and Other Inputs

The total OPEB liability in the January 1, 2018 actuarial valuation was determined using the following actuarial assumptions and other inputs, applied to all periods included in the measurement, unless otherwise specified:

Discount Rate	3.50% at January 1, 2018 4.25% at December 31, 2018
Salary Increases	3.00% per year
Inflation Assumptions	2.50% per year

The discount rate was revised from 2.0% in the previous actuarial valuation under GASB 45 to 3.5% at the beginning of the year and 4.25% at the end of the year measurement date to reflect the changes made by GASB 75.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 18 - Post-Retirement Benefits Other Than Pensions (Cont'd)

Actuarial Assumptions and Other Inputs (Cont'd)

The selected discount rate was based on the Bond Buyer 20 Bond GO Index as of the measurement date, which represents the average of certain general obligation municipal bonds maturing in 20 years and having an average rating equivalent of Moody's Aa2 and Standard & Poor's AA.

<u>Health Care Trend Rates</u>	<u>Year</u>	<u>Pre 65 Medical *</u>	<u>Post 65 Medical *</u>	<u>Prescription Drug</u>	<u>Medicare Part B</u>
Year 1 Trend	2018	5.75%	4.50%	9.75%	5.00%
Ultimate Trend	2022 & Later	5%	4.50%	5.00%	5.00%
Grading per Year		0.10%	None	0.50%	None

* - The ultimate trend for Pre 65 Medical is reached in 2023 and the ultimate trend for Prescription drug is reached in 2022.

Mortality rates were based on the following:

Pre-Retirement: RP-2014 Headcount-Weighted Healthy Employee Male/Female Mortality Projected with Scale MP-2017 (MP-2018 at year end measurement date).

Post-Retirement: RP-2014 Headcount-Weighted Healthy Annuitant Male/Female Mortality Projected with Scale MP-2017 (MP-2018 at year end measurement date).

Disabled: RP-2014 Headcount-Weighted Disabled Retiree Male/Female Mortality Projected with Scale MP-2017 (MP-2018 at year end measurement date).

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 18 - Post-Retirement Benefits Other Than Pensions (Cont'd)

Changes in the Total OPEB Liability

	<u>Total OPEB Liability</u>
Balance at January 1, 2018	\$ 31,592,722
Changes for Year:	
Service Cost	817,723
Interest Cost	1,124,567
Benefit Payments	(559,905)
Actuarial Assumption Changes	(4,092,118)
Actuarial Demographic Gain	(1,000,411)
Net Changes	(3,710,144)
Balance at December 31, 2018	\$ 27,882,578

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

The following presents the total OPEB liability of the Authority as well as what the Authority's total OPEB liability would be if it were calculated using a discount rate that is 1 percentage lower or 1 percentage higher than the current discount rate:

	December 31, 2018		
	1% Decrease (3.25%)	Discount Rate (4.25%)	1% Increase (5.25%)
Total OPEB Liability	\$ 33,122,492	\$ 27,882,578	\$ 23,786,652

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 18 - Post-Retirement Benefits Other Than Pensions (Cont'd)

Sensitivity of the Total OPEB Liability to Changes in the Healthcare Cost Trend Rates

The following presents the total OPEB liability of the Authority as well as what the Authority's total OPEB liability would be if it were calculated using healthcare cost trend rates that are 1 percentage lower or 1 percentage higher than the valuation healthcare cost trend rates:

	December 31, 2018		
	1% Decrease	Valuation Healthcare Trend Rates	1% Increase
Total OPEB Liability	\$ 23,371,830	\$ 27,882,578	\$ 33,741,177

OPEB Expense and Deferred Outflows and Inflows of Resources Related to OPEB

For the year ended December 31, 2018, the Authority's OPEB expense was \$923,784 as determined by the actuarial valuation.

At December 31, 2018 the Authority had deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	Deferral Year	Amortization Period in Years	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual demographic experience	2018	5.00		\$ 800,329
Changes of assumptions	2018	5.00		3,273,694
			\$ -0-	\$ 4,074,023

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 18 - Post-Retirement Benefits Other Than Pensions (Cont'd)

OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB (Cont'd)

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

<u>Year Ending December 31,</u>	<u>Total</u>
2019	\$ (1,018,506)
2020	(1,018,506)
2021	(1,018,506)
2022	(1,018,505)
2023	-0-
Thereafter	-0-
	<u>\$ (4,074,023)</u>

Note 19 - Net Position Designations

The Authority made the following designations of unrestricted net position as of December 31, 2018:

Renewal and Replacement	\$ 1,020,417
Contractual Obligations	706,518
Operation and Maintenance - Reserve	<u>800,000</u>
	<u>\$ 2,526,935</u>

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO FINANCIAL STATEMENTS
YEAR ENDED DECEMBER 31, 2018
(Continued)

Note 20 - Prior Period Adjustments

The Authority made prior year adjustments in their Financial Statements to adjust net position due to restatement of the total OPEB liability as the Authority implemented Governmental Accounting Standards Board ("GASB") Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other than Pensions*, during the year ended December 31, 2018. As a result, the Financial Statements as of December 31, 2017 have been restated as follows:

<u>Statement of Net Position:</u>	<u>Balance 12/31/2017 as Previously Reported</u>	<u>Retroactive Adjustments</u>	<u>Balance 12/31/2017 Restated</u>
Liabilities:			
Noncurrent Liabilities	\$ 29,780,062	\$ 12,039,616	\$ 41,819,678
Total Liabilities	35,817,684	12,039,616	47,857,300
Net Position - Unrestricted (Deficit)	7,343,988	(12,039,616)	(4,695,628)
Total Net Position	36,795,893	(12,039,616)	24,756,277

MORRIS COUNTY MUNICIPAL
UTILITIES AUTHORITY
REQUIRED SUPPLEMENTARY INFORMATION AND
SUPPLEMENTARY INFORMATION

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
REQUIRED SUPPLEMENTARY INFORMATION SCHEDULES
SCHEDULE OF AUTHORITY'S PROPORTIONATE SHARE OF THE NET PENSION LIABILITY
PUBLIC EMPLOYEES RETIREMENT SYSTEM
LAST FOUR YEARS
UNAUDITED

	Year Ending June 30,			
	2015	2016	2017	2018
Authority's proportion of the net pension liability	0.0455600221%	0.0447769470%	0.0420625934%	0.0418100583%
Authority's proportionate share of the net pension liability	\$ 10,227,312	\$ 13,261,652	\$ 9,791,506	\$ 8,232,200
Authority's covered employee payroll	\$ 2,754,283	\$ 2,790,127	\$ 2,606,640	\$ 2,889,347
Authority's proportionate share of the net pension liability as a percentage of its covered employee payroll	371.32%	475.31%	375.64%	284.92%
Plan fiduciary net position as a percentage of the total pension liability	47.93%	40.14%	48.10%	53.60%

Note: This schedule does not contain ten years of information as GASB No. 68 was implemented during the year ended December 31, 2015.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
REQUIRED SUPPLEMENTARY INFORMATION SCHEDULES
SCHEDULE OF AUTHORITY CONTRIBUTIONS
PUBLIC EMPLOYEES RETIREMENT SYSTEM
LAST FOUR YEARS
UNAUDITED

	Year Ending December 31,			
	2015	2016	2017	2018
Contractually required contribution	\$ 279,048	\$ 391,694	\$ 397,792	\$ 395,673
Contributions in relation to the contractually required contribution	(279,048)	(391,694)	(397,792)	(395,673)
Contribution deficiency/(excess)	\$ -0-	\$ -0-	\$ -0-	\$ -0-
Authority's covered employee payroll	\$ 2,726,741	\$ 2,754,283	\$ 2,790,127	\$ 2,606,640
Contributions as a percentage of covered employee payroll	10.23%	14.22%	14.26%	15.18%

Note: This schedule does not contain ten years of information as GASB No. 68 was implemented during the year ended December 31, 2015.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
REQUIRED SUPPLEMENTARY INFORMATION SCHEDULES
SCHEDULE OF CHANGES IN THE AUTHORITY'S NET OPEB

LIABILITY AND RELATED RATIOS
OTHER POST-RETIREMENT BENEFITS

LAST YEAR
UNAUDITED

	Year Ending December 31, <u>2018</u>
Total OPEB Liability:	
Service Cost	\$ 817,723.00
Interest Cost	1,124,567
Benefit Payments	(559,905)
Actuarial Assumption Changes	(4,092,118)
Actuarial Demographic Gain	<u>(1,000,411)</u>
Net Change in Total OPEB Liability	(3,710,144)
Total OPEB Liability - 12/31/2017	31,592,722
Total OPEB Liability - 12/31/2018	<u>\$ 27,882,578</u>
Plan Fiduciary Net Position:	
Employer Contributions	\$ 559,905
Benefit Payments	<u>(559,905)</u>
Net Change in Plan Fiduciary Net Position	-0-
Plan Fiduciary Net Position - 12/31/2017	-0-
Plan Fiduciary Net Position - 12/31/2018	<u>-0-</u>
Authority's Net OPEB Liability - 12/31/2018	<u>\$ 27,882,578</u>
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	N/A
Authority's Covered Employee Payroll	\$ 2,889,347
Authority's Net OPEB Liability as a Percentage of Covered Employee Payroll	10.36%

Note: This schedule does not contain ten years of information as GASB No. 75 was implemented during the year ended December 31, 2018

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
REQUIRED SUPPLEMENTARY INFORMATION SCHEDULES
SCHEDULE OF AUTHORITY CONTRIBUTIONS
OTHER POST-RETIREMENT BENEFITS
LAST YEAR
UNAUDITED

	Year Ending December 31, 2018
Actuarially Determined Contribution	\$ 559,905
Contributions in Relation to the Actuarially Determined Contribution	559,905
Contribution Deficiency (Excess)	\$ -0-
Authority's Covered Employee Payroll	\$ 2,889,347
Contributions as a Percentage of Covered Employee Payroll	19.38%

Note: This schedule does not contain ten years of information as GASB No. 75 was implemented during the year ended December 31, 2018

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO REQUIRED SUPPLEMENTARY INFORMATION
FOR THE YEAR ENDED DECEMBER 31, 2018
(UNAUDITED)

A. PUBLIC EMPLOYEES' RETIREMENT SYSTEM

Benefit Changes

There were none.

Changes of Assumptions

The discount rate changed from 5.00% as of June 30, 2017 to 5.66% as of June 30, 2018. The municipal bond rate changed from 3.58% to 3.87%.

B. AUTHORITY'S OPEB PLAN

Benefit Changes

There were none.

Changes of Actuarial Assumptions

The discount rate changed from 2.00% as of December 31, 2017 to 4.25% as of December 31, 2018.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
STATEMENT OF REVENUE, EXPENSES, AND CHANGES IN NET POSITION
FOR THE YEAR ENDED DECEMBER 31, 2018

Operating Revenue:	
Water Charges	\$ 3,826,021
Tipping Fees	40,196,851
Vegetative Waste Receipts	489,473
Other Receipts - Water Division	9,810
Other Receipts - Solid Waste Division	99,963
Household Hazardous Waste	32,864
Curbside Recycling Receipts	2,011,748
Total Operating Revenue	<u>46,666,730</u>
Operating Expenses:	
Water Division Expenses	2,803,560
Solid Waste Division Expenses	37,203,275
Depreciation	1,474,987
Total Operating Expenses	<u>41,481,822</u>
Operating Income	<u>5,184,908</u>
Nonoperating Revenue / (Expenses):	
State of NJ Grant Revenue:	
Clean Communities Grant	112,432
Recycling Enhancement Grant	302,796
Interest Earned on Investments	589,874
Prior Year Accounts Payable - Operating Cancelled	192,804
Total Nonoperating Revenue	<u>1,197,906</u>
Change in Net Position	6,382,814
Net Position, Beginning of Year (Restated)	<u>24,756,277</u>
Net Position, End of Year	<u>\$ 31,139,091</u>

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
SCHEDULE OF REVENUE AND EXPENSES
COMPARED TO BUDGET
YEAR ENDED DECEMBER 31, 2018
(With Comparative Totals for 2017)

	Original Budget	Budget After Mod- ification	2018 Actual	2017 Actual
Revenue:				
Fund Balance Utilized	\$ 1,384,083	\$ 1,384,083	\$ 1,384,083	\$ 872,154
Water Charges	4,036,079	4,036,079	3,826,021	3,778,388
Tipping Fees	37,596,000	39,963,750	40,196,851	37,806,702
Vegetative Waste Receipts	493,659	493,659	489,473	475,450
Interest Earned on Investments	222,000	222,000	589,874	259,285
Other Receipts - Water	32,000	32,000	9,810	45,593
Other Receipts - Solid Waste			99,963	39,427
Household Hazardous Waste	51,406	51,406	32,864	37,295
Curbside Recycling Receipts	1,895,960	1,895,960	2,011,748	2,135,930
State of NJ Grant Revenue:				
Clean Communities Grant		95,063	112,432	111,176
Recycling Enhancement Grant	300,972	300,972	302,796	261,569
	<u>\$ 46,012,159</u>	<u>\$ 48,474,972</u>	<u>\$ 49,055,915</u>	<u>\$ 45,822,969</u>
Water Division Expenses:				
Salaries:				
Administration	\$ 247,932	\$ 233,932	\$ 155,581	\$ 171,906
Operating	372,371	372,371	348,303	341,589
	<u>620,303</u>	<u>606,303</u>	<u>503,884</u>	<u>513,495</u>
Other Expenses:				
Legal	30,000	40,000	38,747	26,998
Audit	15,000	15,000	12,139	11,900
Employee Benefits	484,319	484,319	454,701	202,691
Administrative and Insurance	87,522	87,522	73,258	68,768
Engineering and Professional Services	407,500	407,500	94,451	255,121
Legal Advertising	3,000	3,000	2,357	302
Travel and Training	1,500	4,500	3,552	450
Office Supplies	12,000	12,000	7,645	6,253
Equipment	25,000	25,000	5,690	11,247
Repairs and Replacements	80,000	80,000	56,709	113,582
Electric Power	700,000	700,000	557,712	558,901
Chlorine and Chemicals	22,000	22,000	10,568	14,196
Environmental Costs	15,000	15,000		
Gasoline, Oil, etc.	15,000	15,000	9,979	7,707
Heating, Fuel, Oil, Boiler	10,000	10,000	9,162	11,065
Telephone, Lease Lines, Laboratory	30,000	30,000	26,309	25,104
Provision for Depreciation (Non-Budgeted)			862,490	855,091
Capital Improvements	1,900,000	1,900,000		

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
SCHEDULE OF REVENUE AND EXPENSES
COMPARED TO BUDGET
YEAR ENDED DECEMBER 31, 2018
(With Comparative Totals for 2017)
(Continued)

	Original Budget	Budget After Mod- ification	2018 Actual	2017 Actual
Water Division Expenses (Cont'd):				
Other Expenses (Cont'd):				
Real Estate Taxes	\$ 135,000	\$ 135,000	\$ 118,840	\$ 120,168
Fees and Permits	30,000	30,000	29,530	25,390
SMCMUA Water Agreement	706,518	706,518	648,470	659,037
Vehicle Purchase	65,000	65,000		
Vehicle Replacement	7,000	7,000	3,971	2,220
Laboratory Analysis	15,000	15,000	4,396	13,178
Tools and Equipment	5,000	5,000	1,433	2,178
Tools and Equipment Repairs	2,000	2,000	274	6
Uniforms	3,000	3,000	2,770	2,082
Minor Construction	25,000	25,000	24,800	8,750
Facility Rental Contribution	6,600	6,600	6,568	6,408
Facility Maintenance	40,000	40,000	39,468	15,100
Tipping Fees	500	500	474	187
Water and Sewer Fees	400	1,400	1,121	1,017
Other Postemployment Benefits (Non-budgeted)			54,582	264,788
	<u>4,878,859</u>	<u>4,892,859</u>	<u>3,162,166</u>	<u>3,289,885</u>
Total Water Division Expenses	<u>5,499,162</u>	<u>5,499,162</u>	<u>3,666,050</u>	<u>3,803,380</u>
Solid Waste Division Expenses:				
Salaries:				
Administration	712,738	762,738	756,183	644,843
Operating	2,409,707	2,409,707	2,379,445	2,323,623
	<u>3,122,445</u>	<u>3,172,445</u>	<u>3,135,628</u>	<u>2,968,466</u>
Other Expenses:				
Audit	37,000	37,000	36,416	35,700
Employee Benefits	2,329,935	2,333,935	1,979,405	1,387,130
Administrative and Insurance	252,564	252,564	218,211	210,217
Travel and Training	15,415	15,415	5,548	10,234
Office and Computer Equipment	7,157	7,157	3,806	1,267
Office Supplies	21,500	21,500	21,496	13,727
Legal	50,000	150,000	127,605	110,597
Consulting Engineer	20,000	20,000	6,075	
Legal Advertising	5,750	5,750	1,521	13,129
Gasoline, Oil, etc.	4,000	4,000	685	1,320
Telephone, Lease Lines, Laboratory	9,000	9,000	5,948	4,003
Spare Parts and Maintenance	116,125	121,125	120,532	33,721

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
SCHEDULE OF REVENUE AND EXPENSES
COMPARED TO BUDGET
YEAR ENDED DECEMBER 31, 2018
(With Comparative Totals for 2017)
(Continued)

	Original Budget	Budget After Mod- ification	2018 Actual	2017 Actual
Solid Waste Division Expenses (Cont'd):				
Expenses (Cont'd):				
Other Expenses (Cont'd):				
Vehicle Maintenance	\$ 2,500	\$ 2,500	\$ 1,622	\$ 1,963
Provision for Depreciation (Non-Budgeted)			612,497	476,064
Vegetative Waste Costs	284,050	284,050	211,986	389,143
Household Hazardous Waste	343,069	343,069		25,778
Curbside Recycling	1,287,550	1,128,550	126,723	939,389
Project Reserve	937,250	937,250	15,190	174,130
Special Projects	35,000	35,000	12,394	1,453
Fees and Permits	17,000	17,000	12,481	12,516
Cultural Center Rental	19,800	19,800	19,668	19,188
Par-Troy Lease Agreement	219,684	219,684	217,391	212,920
Operation and Maintenance - Transfer Station	28,125,250	30,493,000	30,198,419	28,898,323
Operation and Maintenance Reserve	3,250,953	3,250,953		
Other Postemployment Benefits (Non-budgeted)			309,297	1,500,468
Clean Communities Grant Expenses		95,063	112,432	111,176
Recycling Enhancement Grant			302,796	261,569
	<u>37,390,552</u>	<u>39,803,365</u>	<u>34,680,144</u>	<u>34,845,125</u>
Total Solid Waste Division Expenses	<u>40,512,997</u>	<u>42,975,810</u>	<u>37,815,772</u>	<u>37,813,591</u>
	<u>\$ 46,012,159</u>	<u>\$ 48,474,972</u>	<u>\$ 41,481,822</u>	<u>\$ 41,616,971</u>
Revenue Over/(Under) Expenses			\$ 7,574,093	\$ 4,205,998
Less: Unrestricted Fund Balance Utilized			<u>1,384,083</u>	<u>872,154</u>
Net Income			<u>\$ 6,190,010</u>	<u>\$ 3,333,844</u>

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN NET POSITION - WATER DIVISION
AND SOLID WASTE DIVISION
FOR THE YEAR ENDED DECEMBER 31, 2018

	Total	Water Division	Solid Waste Division
Operating Revenue:			
Water Charges	\$ 3,826,021	\$ 3,826,021	
Tipping Fees	40,196,851		\$ 40,196,851
Vegetative Waste Receipts	489,473		489,473
Other Receipts - Water Division	9,810	9,810	
Other Receipts - Solid Waste Division	99,963		99,963
Household Hazardous Waste	32,864		32,864
Curbside Recycling Receipts	2,011,748		2,011,748
Total Operating Revenue	<u>46,666,730</u>	<u>3,835,831</u>	<u>42,830,899</u>
Operating Expenses:			
Water Division Expenses	2,803,560	2,803,560	
Solid Waste Division Expenses	37,203,275		37,203,275
Depreciation	1,474,987	862,490	612,497
Total Operating Expenses	<u>41,481,822</u>	<u>3,666,050</u>	<u>37,815,772</u>
Operating Income	<u>5,184,908</u>	<u>169,781</u>	<u>5,015,127</u>
Nonoperating Revenue:			
State of NJ Grant Revenue:			
Clean Community Grant	112,432		112,432
Recycling Enhancement Grant	302,796		302,796
Interest Earned on Investments	589,874	115,056	474,818
Prior Year Accounts Payable Cancelled	192,804	164,996	27,808
Total Nonoperating Revenue	<u>1,197,906</u>	<u>280,052</u>	<u>917,854</u>
Change in Net Position	6,382,814	449,833	5,932,981
Net Position, Beginning of Year (Restated)	<u>24,756,277</u>	<u>24,196,484</u>	<u>559,793</u>
Net Position, End of Year	<u>\$ 31,139,091</u>	<u>\$ 24,646,317</u>	<u>\$ 6,492,774</u>

SINGLE AUDIT SECTION

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
YEAR ENDED DECEMBER 31, 2018

NOT APPLICABLE

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
SCHEDULE OF EXPENDITURES OF STATE AWARDS
YEAR ENDED DECEMBER 31, 2018

State Funding Department	State Program	State Grant Award Number	Grant Period		Grant Award Amount	Amount Received	Amount of Current Year Expenditures	Cumulative Expenditures
			From	To				
Department of Environ- mental Protection	Recycling Enhancement Grant	752-042-4900						
		008-V42Y-6010	01/01/17	06/30/18	\$ 329,636	\$ 300,972	\$ 68,067	\$ 329,636
			01/01/18	06/30/19	300,972	300,972	234,729	234,729
							302,796	564,365
Department of Environ- mental Protection	Clean Communities Grant	765-042-4900-						
		005-V42Y-6010	01/01/17	12/31/18	99,208	95,063	79,854	99,208
			01/01/18	12/31/19	95,063	95,063	32,578	32,578
							112,432	131,786
						\$ 396,035	\$ 415,228	\$ 696,151

SEE ACCOMPANYING NOTES TO SCHEDULES OF EXPENDITURES OF STATE AWARDS

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AND STATE AWARDS
YEAR ENDED DECEMBER 31, 2018

Note 1. BASIS OF PRESENTATION

The accompanying schedules of expenditures of federal and state awards (the “schedules”) include the federal and state grant activity of the Morris County Municipal Utilities Authority (the “Authority”) under programs of the federal and state governments for the year ended December 31, 2018. The information in these schedules is presented in accordance with the requirements of the Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (“Uniform Guidance”) and New Jersey’s OMB Circular 15-08, *Single Audit Policy for Recipients of Federal Grants, State Grants and State Aid*. Because the schedules present only a selected portion of the operations of the Authority, they are not intended to and do not present the financial position, changes in net position or cash flows of the Authority.

Note 2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Expenditures reported on the accompanying schedules of expenditures of federal and state awards are reported on the cash basis of accounting. Such expenditures are recognized following the cost principles contained in Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts, if any, shown on the Schedules represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. Pass-through identifying numbers are presented where available. The Authority has elected not to use the 10 percent de minimis indirect cost rate as allowed under the Uniform Guidance.

Note 3. RELATIONSHIP TO FEDERAL AND STATE FINANCIAL REPORTS

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



Mount Arlington Corporate Center
 200 Valley Road, Suite 300
 Mt. Arlington, NJ 07856
 973-298-8500 | 973-298-8501 Fax

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 11 Lawrence Road
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Report on Internal Control Over Financial Reporting
 and on Compliance and Other Matters Based on an Audit of Financial Statements
 Performed in Accordance with *Government Auditing Standards*

Independent Auditors' Report

The Honorable Chairman and Members
 of the Morris County Municipal
 Utilities Authority
 Randolph, NJ

We have audited, in accordance with auditing standards generally accepted in the United States of America, audit requirements prescribed by the Division of Local Government Services, Department of Community Affairs, State of New Jersey ("the Division"), and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the Morris County Municipal Utilities Authority (the "Authority") as of and for the year ended December 31, 2018, and the related notes to the financial statements, which comprise the Authority's basic financial statements, and have issued our report thereon dated May 15, 2019.

Internal Control Over Financial Reporting

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

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

Our consideration of the 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.

The Honorable Chairman and Members
of the Morris County Municipal
Utilities Authority
Page 2

Compliance and Other Matters

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

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

Mount Arlington, New Jersey
May 15, 2019

NISIVOCCIA LLP



William F. Schroeder
Certified Public Accountant
Registered Municipal Accountant #452

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
SCHEDULE OF FINDINGS AND RESPONSES
YEAR ENDED DECEMBER 31, 2018

Summary of Auditors' Results:

- The Independent Auditors' Report expresses an unmodified opinion on the financial statements of the Authority.
- There were no material weaknesses or significant deficiencies disclosed during the audit of the financial statements as reported in the *Independent Auditors' Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with Government Auditing Standards*.
- No instances of noncompliance material to the financial statements of the Authority which would be required to be reported in accordance with *Government Auditing Standards*, were disclosed during the audit.
- The Authority was not subject to the single audit provisions of the Uniform Guidance and New Jersey OMB's Circular 15-08 for the year ended December 31, 2018 as both state and federal grant expenditures were less than the single audit thresholds of \$750,000 identified in the Uniform Guidance and NJOMB 15-08.

Findings Relating to the Financial Statements which are required to be Reported in Accordance with Generally Accepted Government Auditing Standards:

- The audit did not disclose any findings required to be reported under Generally Accepted Government Auditing Standards

Findings and Questioned Costs for Federal Awards:

- Not applicable since federal expenditures were below the single audit threshold.

Findings and Questioned Costs for State Awards:

- Not applicable since state expenditures were below the single audit threshold.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS
FOR THE YEAR ENDED DECEMBER 31, 2018

There were no prior year audit findings.

COMMENTS AND RECOMMENDATIONS

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
COMMENTS AND RECOMMENDATIONS

Contracts and Agreements Required to be Advertised Per N.J.S. 40A:11-4 et seq.

N.J.S. 40A:11-3 states:

a. " When the cost or price of any contract awarded by the contracting agent in the aggregate does not exceed in a contract year the total sum of \$17,500, the contract may be awarded by a purchasing agent when so authorized by ordinance or resolution, as appropriate to the contracting unit, of the governing body of the contracting unit without public advertising for bids, except that the governing body of any contracting unit may adopt an ordinance or resolution to set a lower threshold for the receipt of public bids or the solicitation of competitive quotations. If the purchasing agent is qualified pursuant to subsection b. of section 9 of P.L. 1971, c.198 (C.40A:11-9), the governing body of the contracting unit may establish that the bid threshold may be up to \$25,000. Such authorization may be granted for each contract or by a general delegation of the power to negotiate and award such contracts pursuant to this section.

b. Any contract made pursuant to this section may be awarded for a period of 24 consecutive months, except that contracts for professional services pursuant to subparagraph (i) of paragraph (a) of subsection (1) of section 5 of P.L. 1971, c.198 (C.40A: 11-5) may be awarded for a period not exceeding 12 consecutive months. The Division of Local Government Services shall adopt and promulgate rules and regulations concerning the methods of accounting for all contracts that do not coincide with the contracting unit's fiscal year.

c. The Governor, in consultation with the Department of the Treasury, shall, no later than March 1 of every fifth year beginning in the fifth year after the year in which P.L.1999, c.440 takes effect, adjust the threshold amount and the higher threshold amount which the governing body is permitted to establish, as set forth in subsection a. of this section, or the threshold amount resulting from any adjustment under this subsection, in direct proportion to the rise or fall of the index rate as that term is defined in section 2 of P.L.1971, c.198 (C.40A11-2), and shall round the adjustment to the nearest \$1,000. The Governor shall, no later than June 1 of every fifth year, notify each governing body of the adjustment. The adjustment shall become effective on July 1 of the year in which it is made."

N.J.S. 40A: 11-4 states: "Every contract awarded by the contracting agent for the provision or performance of any goods or services, the cost of which in the aggregate exceeds the bid threshold, shall be awarded only by resolution of the governing body of the contracting unit to the lowest responsible bidder after public advertising for bids and bidding therefore, except as is provided otherwise in this act or specifically by any other law. The governing body of a contracting unit may, by resolution approved by a majority of the governing body and subject to subsections b. and c. of this section, disqualify a bidder who would otherwise be determined to be the lowest responsible bidder, if the governing body finds that it has had prior negative experience with the bidder."

Effective July 2015 the bid threshold in accordance with N.J.S.A. 40A:11-3 and 40A:11-4 (as amended) is \$17,500, and with a qualified purchasing agent the threshold may be up to \$40,000.

The minutes indicated that bids were requested by public advertising and contracts awarded. The minutes also indicated that resolutions were adopted and advertised, authorizing the awarding of contracts or agreements for professional services per N.J.S. 40A:11-5.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
COMMENTS AND RECOMMENDATIONS
(CONTINUED)

Contracts and Agreements Required to be Advertised Per N.J.S. 40A:11-4 et seq. (Cont'd)

Inasmuch as the system of records did not provide for an accumulation of payments for categories for the performance of any work or the furnishing or hiring of any materials or supplies, the results of such an accumulation could not reasonably be ascertained. Disbursements were reviewed, however, to determine whether any clear-cut violations existed. None were noted.

Status of Prior Year Recommendations

There were no prior year audit findings.

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY
SUMMARY OF RECOMMENDATIONS

There are no recommendations.

* * * * *