



Monroe County Water Authority

2016 Annual Report to NYS Authorities Budget Office

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Monroe County Water Authority Description

The Monroe County Water Authority is the third largest water supplier in New York State and one of the 60 largest water suppliers in the United States.

The Authority was formed in 1950 and commenced full-scale operations in 1959 when it acquired the Monroe County assets of the New York Water Service Corporation, a private water company that served a limited portion of Monroe County. Today the Authority operates and manages a regional water supply and distribution system that includes the single largest water treatment plant in New York State and provides water to over 600,000 individuals, servicing approximately 183,000 direct retail accounts and approximately 20,000 accounts in wholesale supply areas. The Authority's customers are located in all of the towns and villages in Monroe County and certain municipalities in Ontario, Genesee, Livingston, Orleans and Wayne Counties.

The facilities that comprise the Water System are either owned by the Authority, or leased on a long-term basis from Monroe County or other municipalities or water districts. Leased facilities are operated and maintained at the expense of the Authority. The Authority has the right under its lease agreements to make improvements to such facilities and to interconnect other facilities operated by the Authority, as well as to take a supply of water without main rentals or surcharges.

NEW YORK STATE PUBLIC AUTHORITIES LAW

TITLE 5

MONROE COUNTY WATER AUTHORITY

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§ 1093. Short title. This title may be cited as the "Monroe County Water Authority Act."

§ 1094. Definitions. As used or referred to in this title, unless a different meaning clearly appears from the context,

1. The term "authority" shall mean the corporation created by section one thousand ninety-five of this title;

2. The term "county" shall mean the county of Monroe;

3. The term "treasurer" shall mean the treasurer of the authority;

4. The term "comptroller" shall mean the comptroller of the state of New York;

5. The term "civil service commission" shall mean the civil service commission of the county of Monroe;

6. The term "properties" shall mean the water supply and distribution system or systems of the authority, including the plants, works, instrumentalities or parts thereof and appurtenances thereto, lands, easements, rights in land and water rights, rights-of-way, contract rights, franchises, approaches, connections, dams, reservoirs, water mains and pipe lines, pumping stations and equipment, and also including, without limitation, facilities and appurtenances thereto, some part of the capacity or use of which is used or to be used by or for the benefit of a municipality or municipalities or other corporation or corporations pursuant to contracts authorized by subdivision sixteen of section ten hundred ninety-six of this title, or any other property incidental to and included in such system or part thereof, and any improvements, extensions, and betterments, situated within the territorial limits of the county, or in Genesee county, or in the town or village of Victor and the towns of East Bloomfield and West Bloomfield in Ontario county, or in the village of Holley and the town of Clarendon in Orleans county;

7. The term "bonds" shall mean the bonds, notes and obligations, issued by the authority, pursuant to this act;

8. The term "revenues" shall mean all rents, charges and other income derived from the operation of the properties of the authority;

9. The term "municipality" shall mean any county, city, town, village, town water district, fire district, fire protection district, fire alarm district, school district, and any other political subdivision of the state.

10. The term "Genesee county project" shall mean the construction, installation, equipping and/or financing of such properties, as such term is defined in subdivision six of this section, as are necessary for the authority to provide service to Genesee county or any municipality therein on the terms set forth in this title.

§ 1095. Monroe county water authority. 1. A corporation known as "Monroe County Water Authority" is hereby created and continued for the purposes and charged with the duties and having the powers provided in this title. The authority shall be a body corporate and politic constituting a public benefit corporation and shall be a "public district" for the purposes of section eighty-nine-1 of the public service law. It shall consist of seven members, no more than five of whom shall belong to one political party and all of whom shall be

residents of the county, who shall be appointed by the president of the county legislature of Monroe county subject to confirmation by a majority of the county legislature of Monroe county. The five persons serving as members of the authority on and immediately prior to the effective date of this act, or any person appointed to fill a vacancy for the unexpired term of such a member, shall continue as members of the authority for their present terms of office, or the term of his predecessor in the case of the filling of a vacancy, or until their successor is appointed and qualified and, thereafter, subsequent appointments to such membership positions shall be for terms of five years. After the effective date of this act the two additional members of the authority, in addition to the five memberships existing on and immediately prior to the effective date of this act, shall be appointed by the president of the county legislature of Monroe county subject to confirmation by a majority of the county legislature of Monroe county, one such appointment to be for a term of office expiring on April first, nineteen hundred eighty-one and one such appointment to be for a term of office expiring April first, nineteen hundred eighty-two; upon the expiration of the initial terms of office of such two additional members, subsequent appointments to fill such memberships shall be for terms of five years. In addition, such additional two appointments shall be made in such manner so as to provide that the membership of the authority be composed of seven members, of whom not more than five shall belong to the same political party.

Subsequent appointments shall be made in the same manner and for terms of five years. All members shall continue to hold office until their successors are appointed and qualify. The chairman shall be elected annually by the members of the authority. Vacancies, occurring otherwise than by expiration of term of office, shall be filled by appointments by the county legislature for the unexpired terms. Members of the authority may be removed from office for the same reasons and in the same manner as may be provided by law for the removal of officers of the county. The members of the authority shall receive such compensation for their services as shall be fixed by the county legislature and shall be reimbursed for all their actual and necessary expenses incurred in connection with the carrying out of the purposes of this title. The powers of the authority shall be vested in and be exercised by the members at a meeting duly called and held and four members shall constitute a quorum. No action shall be taken except pursuant to the favorable vote of at least four members. The authority may delegate to one or more of its members, officers, agents or employees such powers and duties as it may deem proper. The president of the Monroe county legislature shall further appoint two persons from such legislature for the term of their offices, one from the majority party and one from the minority party, to serve as legislative liaisons to the authority on behalf of such legislature.

2. The authority and its corporate existence shall continue until all its liabilities have been met, other than its liabilities to the county pursuant to any agreements entered into pursuant to subdivision sixteen-b of section one thousand ninety-six, and its bonds have been paid in full or such liabilities or bonds have otherwise been discharged and thereupon all rights and properties of the authority, including its water properties as defined in subdivision sixteen-b of section one thousand ninety-six, shall pass to and be vested in the county; provided, however, that if at the time all such rights and properties of the authority shall pass to and be vested in the county, the authority and such county are parties to any agreement and any supplemental agreements thereto entered into pursuant to subdivision sixteen-b of section one thousand ninety-six, then the authority and its corporate existence and the powers herein provided for shall continue so long as is necessary to enable the authority to exercise the rights and duties and fulfill the obligations imposed upon the authority by the provisions of any such agreement and any supplemental agreements thereto.

3. The officers of the authority shall consist of a chairman, a vice-chairman and a treasurer, who shall be members of the authority, and a secretary, who need not be a member of the authority. The vice-chairman, treasurer and secretary shall be appointed by the authority and shall serve at the pleasure of the authority. The authority may appoint and at pleasure remove an attorney and an engineer, which positions, in addition to the position of secretary, shall be in the exempt class of the civil service and such additional officers and employees as it may require for the performance of its duties, fix and determine their qualifications, duties, and compensation, subject to the provisions of the civil service law of the state of New York and such rules as the civil service commission of the county of Monroe may adopt and make applicable to such authority. The authority may also from time to time contract for expert professional services. The treasurer shall execute a bond, conditioned upon the faithful performance of the duties of his office, the amount and sufficiency of which shall be approved by the authority and the premium therefor shall be paid by the authority.

4. It is hereby determined and declared that the authority and the carrying out of its powers, purposes and duties are in all respects for the benefit of the people of the county of Monroe and the state of New York, for the improvement of their health, welfare and prosperity and that the said purposes are public purposes and that the authority is and will be performing an essential governmental function in the exercise of the powers conferred upon it by this title.

5. Upon creation of the authority, from time to time the board of supervisors, may, by resolution, appropriate sums of money to defray the expenses of the authority. The moneys so appropriated shall be repaid by the authority to the county out of the proceeds of the first bond issue of the authority. The provisions of this subdivision shall not be applicable to payments made by the county for the financing of

any water facilities in accordance with the provisions of subdivision sixteen-b of section one thousand ninety-six of this title.

6. Neither the public service commission nor any other board or commission of like character, shall have jurisdiction over the authority in the management and control of its properties or operations or any power over the regulation of rates fixed or charges collected by the authority.

§ 1096. Powers of the authority. The authority shall have power:

1. To sue and be sued;
2. To have a seal and alter the same at pleasure;

3. To acquire, in the name of the authority, lease, hold and dispose of personal property or any interest therein for its corporate purposes, including the power to purchase prospective or tentative awards in connection with the exercise of the power of condemnation hereinafter granted;

4. To purchase or lease, in the name of the authority, any water supply system, water distribution system, including plants, works, instrumentalities or parts thereof and appurtenances thereto, lands, easements, rights in land and water rights, rights-of-way, contract rights, franchises, approaches, connections, dams, reservoirs, water mains and pipe lines, pumping stations and equipment, or any other property incidental to and included in such system or part thereof, and any improvements, extensions, and betterments, situated within the county, or in Genesee county, or in the town or village of Victor, the village of Bloomfield, and the towns of East Bloomfield, Canadice, Richmond and West Bloomfield in Ontario county, or in the village of Holley and the towns of Clarendon and Kendall in Orleans county for the purpose of supplying water for domestic, commercial, and public purposes at retail to individual consumers within the county of Monroe or in the manner provided by subdivision seven of this section; and as a means of so acquiring for such purposes, and subject to the approval of the public service commission, the authority may purchase all of the stock of any existing privately owned water corporation or company, and thereafter, within a reasonable time, such water corporation or company shall be dissolved;

5. To condemn in the name of the authority in the counties of Monroe and Genesee, or in any other county or municipality specifically enumerated in the first sentence of subdivision six of this section, or in the name of the county in the case of any water facilities to be owned and financed by the county pursuant to subdivision sixteen-b of this section, except where located in any other county or municipality, any water supply system, water distribution system, including plants, works, instrumentalities, or parts thereof and appurtenances thereto, lands, easements, rights in land and water rights, rights-of-way, contract rights, franchises, approaches, connections, dams, reservoirs, water mains and pipe lines, pumping stations and equipment, or any other property incidental to and included in such system or part thereof, and any improvements, extensions, and betterments for the purpose of supplying water for domestic, commercial, and public purposes at retail to individual consumers within the counties of Monroe and Genesee or in any other county or municipality specifically enumerated in the first sentence of subdivision six of this section, or at wholesale in the manner provided by subdivision seven of this section. The authority shall exercise the power of condemnation hereby granted in the manner provided by the eminent domain procedure law or any such proceeding to condemn may be instituted by the authority before a justice of the supreme court or an official referee thereof. In the exercise of such power of condemnation, the property being condemned shall be deemed, when so determined by the authority, to be for a public use superior to the public use in the hands of any other person, association, or corporation; provided, however, that the authority shall have no power to condemn property the legal title to which is vested in a municipality or in a private corporation owning such property primarily for its own use, unless such municipality or private corporation shall consent thereto;

6. To construct and develop any water supply system, water distribution system, including plants, works, instrumentalities, or parts thereof, and appurtenances thereto, dams, reservoirs, water mains, pipe lines, pumping stations and equipment, or any other property incidental to or included in such system or part thereof within the county of Monroe, or in Genesee county, or in the town or village of Victor, the village of Bloomfield and the towns of East Bloomfield, Canadice, Richmond and West Bloomfield in Ontario county, or in the village of Holley and the towns of Clarendon and Kendall in Orleans county. To acquire, by condemnation, in the name of the authority in the counties of Monroe and Genesee, or in any other county or municipality specifically enumerated in the first sentence of this subdivision, or in the name of the county of Monroe in the case of any water facilities to be owned and financed by such county pursuant to subdivision sixteen-b of this section, lands, easements, rights in land and water rights, and rights-of-way within the counties of Monroe and Genesee, or in any other county or municipality specifically enumerated in the first sentence of this subdivision, in the manner provided by this title; or to purchase or lease lands, easements, rights in land and water rights, and rights-of-way in connection therewith within the county of Monroe or within Genesee county, or in any other county or municipality specifically enumerated in the first sentence of this subdivision; and to own and operate, maintain, repair, improve, reconstruct, enlarge, and extend, subject to the provisions of this title, any of its properties acquired or constructed under this title, all of which, together with the acquisition of such properties, are hereby declared to be public purposes;

6-a. The authority shall not exercise any of the powers granted in subdivisions four and six of this section with respect to the acquisition, purchase, leasing, construction, or development of property outside of the county without first having obtained the prior approval of such purchase, leasing, acquisition, construction, or development of such property outside of the county by resolution of the legislative body of the municipality wherein the affected property outside of the county is located. Notwithstanding any inconsistent provision of any general, special, or local law, ordinance, resolution, or charter, any public corporation or improvement district thereof may, by a majority vote of its governing body, give, grant, sell, convey, lend, license the use of, or lease to the authority any property or facilities, including any water supply system, water distribution system, including plants, works, instrumentalities or parts thereof and appurtenances thereto, lands, easements, rights in land and water rights, rights-of-way, contract rights, franchises, approaches, connections, dams, reservoirs, water mains and pipe lines, pumping stations and equipment, or any other property incidental to and included in such system or part thereof, and any improvements, extensions, and betterments for the purpose of supplying water for domestic, commercial, industrial and public purposes, which property or facilities are useful in connection with the exercise by the authority of its powers under this title. Any such gift, grant, sale, conveyance, loan, license, or lease shall be upon such terms and conditions, and for such term or terms of years, subject to the rights of the holders of any bonds, as the authority and such public corporation or improvement district thereof may agree. Any such gift, grant, sale, conveyance, loan, license, or lease shall not be subject to referendum, permissive or mandatory. In the event that any public corporation or improvement district thereof gives, grants, sells, conveys, lends, licenses the use of, or leases any water supply system, water distribution system, or other improvements, extension or betterments for the purpose of supplying water, to the authority, such public corporation or improvement district thereof may contract with the authority to lease, borrow, license, operate, maintain, manage, and provide services for such facilities upon such terms and conditions, and for such term or terms of years, subject to the rights of holders of bonds, as the authority and such public corporation or improvement district thereof may agree. The authority, in furtherance of any purchase, conveyance, or lease of any property or facility from any public corporation or improvement district thereof, may assume the primary responsibility for the payment of the principal and interest on any bonds or notes issued by such public corporation or improvement district thereof for such property or facility. For purposes of section 136.00 of the local finance law, any agreement by the authority to assume the primary responsibility for the payment of the principal and interest on any bonds or notes issued by any such public corporation or improvement district thereof shall, so long as such agreement shall continue to be honored by the authority, cause such bonds or notes to be deemed to have been refunded, and any such public corporation or improvement district thereof may deduct from its gross indebtedness any outstanding indebtedness contracted for such property or facility to be acquired by the authority. The net proceeds of any purchase, conveyance, or lease of any property or facility from a public corporation or improvement district thereof may be used by such public corporation or improvement district thereof for any general or specific public use;

7. To sell water, however acquired, by volume and at retail to individual consumers within the county of Monroe for domestic, commercial, industrial, and public purposes, or by volume or in bulk and at wholesale to any or all municipalities or privately owned public water supply and distribution systems in such county. The fact that any municipality has procured or is about to procure an independent source of water supply shall not prevent such municipality from purchasing water from the authority. To sell any water not needed in such county by volume and at retail to individual consumers within the county of Genesee, or in the town or village of Victor, the village of Bloomfield and the towns of East Bloomfield, Canadice, Richmond and West Bloomfield in Ontario county, or in the village of Holley and the towns of Clarendon and Kendall in Orleans county, for domestic, commercial, industrial, and public purposes, or by volume or in bulk and at wholesale to any municipality or privately owned public water supply and distribution system outside of the county; provided that any costs incurred by the authority related to the Genesee county project shall be recovered by the authority solely from Genesee county or from rates and charges collected from customers within Genesee county; and further provided that the authority shall not sell water in any area outside of the county unless the governing board of the municipality wherein such area is located shall enter into an agreement with the authority for service or sale of water by it in such area or shall by resolution request the authority to sell water within such area. Any agreement between a municipality outside of the county and the authority for the sale of water to or within such municipality shall be subject to the approval of the legislative body of the contiguous county wherein such municipality is located. Not only may the authority sell any surplus water it may have developed, but it may develop and provide a sufficient amount of water so as to supply water outside of the county to individual consumers, any municipality, or privately owned public water supply and distribution system;

8. To purchase water in bulk or by volume from any person, private corporation or municipality when necessary or convenient for the operation of any water supply and distribution system developed by it, or when necessary or convenient for resale under the authority and provisions of subdivision seven of this section;

9. To acquire, hold, use, lease, sell, transfer and dispose of any property, real, personal or mixed, or interest therein, for its corporate purposes;

10. To make by-laws for the management and regulation of its affairs, and subject to agreements with bondholders, rules for the sale of water and the collection of rents and charges therefor. A copy of such rules and by-laws, and all amendments thereto, duly certified by the secretary of the authority shall be filed in the office of the clerk of the county and thereafter published once in two newspapers having a general circulation in the county. Violation of such rules shall be a misdemeanor, punishable by fine, not exceeding fifty dollars, or by imprisonment for not longer than thirty days, or both. Exclusive jurisdiction is hereby conferred upon the local criminal courts of the county, which have trial jurisdiction, to hear and determine, subject to the provisions of the criminal procedure law, any violation of this title;

11. To use the officers, employees, facilities and equipment of the county with the consent of the county, paying a proper portion of the compensation or cost;

12. To make contracts and to execute all necessary or convenient instruments, including evidences of indebtedness, negotiable or non-negotiable;

13. To enter on any lands, waterways and premises for the purpose of making surveys, soundings and examinations;

14. To borrow money and to issue negotiable bonds or notes and to fund or refund the same, and to provide for the rights of the holders of its obligations;

15. To fix rates and collect charges for the use of the facilities of, or services rendered by, or any commodities furnished by the authority such as to provide revenues sufficient at all times to pay, as the same shall become due, the principal and interest on the bonds or notes of the authority together with the maintenance of proper reserves therefor, in addition to paying as the same shall become due the expense of operating and maintaining the properties of the authority together with proper reserves for depreciation, maintenance, and contingencies and all other obligations and indebtedness of the authority;

16. To enter into cooperative agreements with other water authorities, municipalities, or utility companies, for the inter-connection of facilities, the exchange or inter-change of services and commodities, and to enter into contracts for the construction of water supply and distribution systems by the authority for any municipality which possesses express reciprocal powers and having power to construct and develop a water supply and distribution system, or contracts for the construction of a water supply and distributions systems for the authority by a municipality which possesses express reciprocal powers and having power to construct and develop a water supply and distribution system, upon such terms and conditions as shall be determined to be reasonable including, but not limited to, the reimbursement of all costs of such construction, or for any other lawful purposes necessary or desirable to effect the purposes of this title, provided, however, that any such agreement with a municipality located in a county, other than Monroe county, shall be subject to the approval of the legislative body of such county. The authority shall also have the power to enter into contracts or agreements with other corporations, public or private, (i) for or with respect to the financing, construction, development, expansion or improvement of properties, facilities, and appurtenances owned by the authority, with a part of the capacity or use of such properties, facilities and appurtenances utilized or to be utilized by or for the benefit of any such corporation and (ii) for or with respect to the use, operation, management, repair and maintenance of such properties, facilities, and appurtenances of the authority, upon such terms and conditions as shall be determined to be reasonable, which may include, without limitation, collection by the authority of rents, rates or other charges to pay for the cost of construction, including debt service on obligations of the authority issued to finance construction, operation, management, maintenance, repair and use of such facilities; and municipalities having power to construct and develop water supply and distribution systems shall have the power to enter into contracts or agreements contemplated herein with the authority, including any such contract to which another corporation is a party;

16-a. To enter into a contract or contracts with the board of supervisors of Monroe county for the acquisition, construction and development of a water supply and distribution system, or any part or parts thereof, on behalf of a county water district, and to contract for the operation and management of such county water district, all as provided in article five-a of the county law and article five-b of the general municipal law. Such water authority shall be deemed the agent of Monroe county under any such contract. If such contract shall authorize the water authority to purchase supplies or equipment or to construct public works, such authority shall be subject to all provisions of law to which Monroe county would be subject in relation to advertising and awarding any such contracts for supplies, equipment or public works.

16-b. (1) It is the purpose of this subdivision to provide a means whereby: (i) the authority shall plan, construct, operate and manage both the water properties owned by the authority and additional water facilities to be hereafter constructed by the authority but financed and owned by the county so that such water properties and such water facilities may be operated as an integrated water system; and (ii) the county shall finance the construction of and own additional water facilities and lease the same to or otherwise make the same available for use by the authority in order to assist the authority in providing such necessary improvements required for the operation of the water properties of the authority (the title to which water properties will, as provided by law, become vested in the county).

(2) For the purposes of this subdivision sixteen-b the term "water facilities" shall mean the acquisition, construction or reconstruction of or addition to a water supply or distribution system, whether or not including buildings, land or rights in land, original furnishings, equipment, machinery or apparatus, or the

replacement of such equipment, machinery or apparatus, which water facilities are to be financed and owned by the county. For the purpose of this subdivision sixteen-b the term "water properties" means the source of water supply and the water supply and distribution system of the authority, including the plants, works, instrumentalities or parts thereof and appurtenances thereto, lands, easements, rights in land and water rights, rights of way, contract rights, franchises, approaches, connections, dams, reservoirs, water mains and pipe lines, pumping stations and equipment, and any other property, real, personal or mixed, incidental to and included in such source of supply and such system or parts thereof, and any improvements, extensions and betterments, now or hereafter constructed, acquired or made by the authority, other than the water facilities constructed by the authority but financed and owned by the county in accordance with the provisions of this subdivision.

(3) The county may, by resolution of the legislative body of such county, enter into an agreement or agreements with the authority providing: (i) that water facilities shall be constructed by the authority, which water facilities shall be financed and owned by the county and leased or otherwise made available for the use of the authority; and (ii) for the transfer to the authority for use in the execution of its corporate purposes of such water facilities hereafter financed and owned by the county in accordance with the provisions of this subdivision; provided, however, that title to such facilities shall remain in the county.

Such agreement shall constitute a contract for the passing to and vesting in the county of all rights and properties, including water properties, of the authority when all liabilities of the authority, other than its liabilities to the county pursuant to any agreements entered into pursuant to this subdivision, and the bonds of the authority have been paid in full or such liabilities or bonds have otherwise been discharged.

Such agreement or agreements may be amended, modified, changed or extended by supplemental agreements authorized and executed in the same manner as the original agreement provided that the provisions of any such supplemental agreement shall not be inconsistent with the provisions of this subdivision sixteen-b.

(4) Such agreement shall provide that until the rights and properties, including the water properties, of the authority shall pass to and be vested in the county as provided by law, the authority shall act as the agent of the county: (i) to provide water facilities deemed necessary by the authority (a) to provide a supply of water sufficient to serve all customers of the water properties of the authority and of the water facilities of the county operated and managed by the authority, or (b) water facilities for the distribution of water deemed necessary by the authority to serve the territory of the authority within the county; and (ii) to operate, manage, replace, maintain and repair such water facilities in conjunction with the water properties of the authority so that both the water properties of the authority and the water facilities owned and financed by the county shall be planned, operated and managed as an integrated water system.

(5) Such agreement shall provide for the transfer to and use by the authority of such water facilities by lease, license or other arrangement until such time as all rights and properties, including water properties, of the authority shall pass to and be vested in the county as provided by law and shall authorize the authority to take jurisdiction, control, possession and supervision of such water facilities and operate, manage, replace, maintain and repair the same together with the water properties of the authority as an integrated water system.

(6) Such agreement shall provide that the county shall pay an amount not to exceed twenty-seven million dollars to provide certain water facilities to be owned by the county and leased to or otherwise made available for use by the authority in accordance with the provisions of such agreement, which water facilities shall be described in terms sufficient for identification in the first agreement so executed by and between the county and the authority. The county may issue obligations pursuant to the local finance law in an amount not to exceed twenty-seven million dollars to pay the cost of such water facilities. The provisions of section four hundred of the county charter prohibiting the financing of permanent improvements by the issuance of obligations pursuant to the local finance law unless such permanent improvements are included in a budget of permanent improvements adopted and approved as provided by such section four hundred shall not be applicable to the financing of such water facilities by the issuance of such obligations of the county authority by this paragraph.

(7) Such agreement shall provide that the authority shall pay to the county for each fiscal year of the county an annual rental for the use of the water facilities financed and owned by the county which shall be an operating expense of the authority, and shall be equal to the sum of the following: (i) the principal of any bonds of the county becoming due in such fiscal year issued in accordance with any agreement entered into pursuant to this subdivision; and (ii) the interest on any obligations of the county, including bonds and notes, issued in accordance with any such agreement and becoming due in such fiscal year. Such agreement shall provide such further details as the parties deem necessary with respect to the time and manner of the payment of such annual rentals in order to assure that such annual rentals shall be available to the county at the times and in the amounts required for the payment of such principal of bonds of the county and such interest on obligations of the county. Notwithstanding that the payment of such annual rentals shall be an operating expense of the authority, such agreement may provide that payment thereof shall be subordinate to all or any of certain payments hereinafter described required to be made by a certain trust indenture between the authority and a trustee dated as of February first, nineteen hundred fifty-nine. Such payments

are the payments required to be made by said trust indenture to the debt service fund and the debt service reserve fund both created by such indenture.

(8) Such agreement shall provide that to facilitate the further acquisition, construction, reconstruction, extension or betterment of water facilities by the authority to be owned and financed by the county, other than and in addition to the water facilities to be financed by the county pursuant to the provisions of paragraph (6) of this subdivision, the authority, on or before September first in each year or on or before such earlier date in each year as such agreement may provide, may submit to the county manager a capital budget for the calendar year beginning on the succeeding January first of such proposed water facilities and the estimated cost thereof. Such capital budget shall be accompanied by a report of the consulting engineers retained by the authority pursuant to a certain trust indenture of the authority dated as of February one, nineteen hundred fifty-nine. Such report of the consulting engineers shall explain the need for or desirability of such proposed water facilities and shall state that the consulting engineers have approved the estimated cost thereof. Such capital budget of the authority and report of such consulting engineers shall describe such proposed water facilities in terms sufficient for identification. When received by the county manager, such capital budget of the authority and the report of the consulting engineers shall be used in the preparation of the budget of permanent public improvements of the county required to be prepared by section four hundred of the Monroe county charter in the same manner as if the providing of such additional water facilities originally were proposed by the county. The county shall pay the cost of any water facilities contained in a budget of permanent improvements after such budget has been adopted. At any time after the adoption of such budget of permanent improvements the county may finance any water facilities contained therein pursuant to the provisions of and in the manner provided by the local finance law. Notwithstanding any other provisions of this subdivision, in the event that any item for the providing of water facilities contained in the capital budget and report of the consulting engineers as submitted to the county manager shall not be made a part of the budget of permanent improvements of the county, the authority may, nevertheless, proceed to construct such proposed water facility as an addition to the water properties of the authority and finance the same by the issuance of obligations of the authority, subject, however, to: (i) the provisions of any resolutions or trust indentures heretofore or hereafter adopted or executed by the authority, as the case may be, with respect to the construction of water properties and the financing thereof by the authority; and (ii) the limitations, if any, on the issuance of bonds or obligations by the authority contained in any agreement executed pursuant to this subdivision sixteen-b.

(9) Such agreement may contain further provisions concerning the following, provided, however, that no provisions in any agreement or any supplemental agreement thereto shall require the authority to in any way impair the rights and remedies of the holders of obligations of the authority pursuant to any resolution or trust indenture of the authority heretofore adopted or executed authorizing or securing obligations of the authority: (i) further provisions relating to the annual rentals due by the authority to the county as provided in this subdivision; (ii) provisions that the rates, fees, rentals and other charges for the sale or distribution of water or for other services rendered by the water properties of the authority shall be in an amount sufficient to fully comply with any covenants with holders of obligations of the authority and in addition sufficient to pay the annual rentals payable by the authority to the county as provided in this subdivision and in any agreements or supplemental agreements executed in accordance with the provisions of this subdivision; (iii) provisions limiting the issuance of bonds or obligations by the authority; (iv) provisions limiting the power of the authority to sell or otherwise dispose of its water properties without the consent of the county; (v) providing that when the rights and properties of the authority shall pass to and be vested in the county as provided by law the authority shall act as the agent of the county to plan, construct, operate and manage the water properties and water facilities then vested in and owned by the county for such term and extensions of such term as may be provided by any such agreements; and (vi) such other provisions not inconsistent with the provisions of this subdivision sixteen-b as the parties shall deem necessary or desirable to implement the purpose and provisions of this subdivision sixteen-b.

(10) The proceeds of sale of obligations of the county issued pursuant to any agreement entered into pursuant to this subdivision shall be subject to the provisions of section one hundred sixty-five of the local finance law and shall be paid and disbursed by the director of finance of the county on requisition by the authority or such person or persons as the authority may authorize to make such requisitions without further audit; provided, however, that the director of finance of the county may require that such requisitions shall be accompanied by properly itemized and verified or certified bills for materials, supplies or services.

(11) All contracts for the purchase of supplies or equipment or the construction of water facilities entered into with respect to the providing of water facilities to be financed and owned by the county and constructed by the authority shall be subject to all provisions of law which the county of Monroe would be subject to in relation to advertising and awarding any such contracts for supplies, equipment or the construction of water facilities.

(12) The provisions of this subdivision sixteen-b shall be independent and cumulative power for the authority and the county to enter into the agreements authorized hereby and shall not be construed with or be limited by any of the provisions of article five-a of the county law and of this article of the public authorities law.

17. To accept grants, loans or contributions from the United States, the state of New York, or any agency or instrumentality of either of them, or the county, or an individual, by bequest or otherwise, and to expend the proceeds for any purposes of the authority;

18. To do all things necessary or convenient to carry out the powers expressly given in this title.

19. To contract for the purposes of subdivision twenty-four of section ten of article two of the highway law.

In exercising the powers granted by this title, the authority shall not sell water in any area which is served by a water system owned or operated by a municipality unless the governing board of such municipality shall adopt a resolution requesting the authority to sell water in such area.

§ 1096-a. Additional duties of the authority. 1. The authority shall submit to the president of the Monroe county legislature a copy of the authority's preliminary budget, annual budget or amended budget, certified by the treasurer of the authority, not later than thirty days prior to the date on which the annual budget is adopted or approved by the authority. The authority shall give notice in writing to the president of the Monroe county legislature not later than thirty days prior to anticipated final approval of any construction projects to be undertaken by the authority involving water mains in excess of twelve inches in size, construction of mains in geographical areas theretofore undeveloped or not supplied with a public water supply, storage facilities, pumping stations or water treatment facilities utilizing funds of either the authority or funds of the county of Monroe under subdivision sixteen-b of section one thousand ninety-six of this title provided, however, that the foregoing shall not in any event be deemed to include: modernization, renewal and replacement, repair, maintenance of or improvement in properties or facilities; preliminary undertakings such as studies, tests, evaluations, reports, preparation of engineering plans and specifications, obtaining property rights and obtaining of necessary governmental approvals; construction activities deemed necessary by the authority in an emergency to protect life, property, health or the public safety; changes during construction which do not materially change the essential service area affected by a project; and construction activities within the terms of the last sentence of this subdivision. In the event the Monroe county legislature, by its resolution adopted at any time within sixty days after receipt by the president of the county legislature of the notice from the authority herein provided for, requests any change in such project, the authority shall conduct a public informational meeting upon ten days' notice to be published twice consecutively in a newspaper of general circulation in the county of Monroe prior to the authority granting final approval or prior to the commencement of construction of such project. The authority shall give written notice to the president of the Monroe county legislature not less than thirty days prior to the date of any final action of the authority with respect to any change in the rates of the authority. The authority shall conduct a public informational meeting upon ten days' notice to be published twice consecutively in a newspaper of general circulation in the county of Monroe relative to any change in such rates prior to the effective date of such change. The foregoing provisions of this subdivision shall not be construed to or require the authority to in any way violate or impair the rights and remedies of or covenants with the holders of obligations of the authority pursuant to any resolution or trust indenture of or binding upon the authority adopted or executed authorizing or securing obligations of the authority or abrogate the rights and powers of the authority to fulfill its duties and obligations to comply with all the terms, covenants or requirements required or provided by any existing contractual agreement or provided or required by statute or the order or direction or approval of a federal, state or local governmental entity having appropriate jurisdiction or authority.

2. The authority shall be empowered to develop and adopt an administrative code, subject to amendment from time to time, concerning such cooperative interrelationships between the authority and the county of Monroe, including the duties of the authority under subdivision one of this section. Any such code, or any amendment thereto, shall be submitted to the president of the county legislature not less than ninety days prior to its adoption by the authority for approval by such legislature.

§ 1097. Moneys of the authority. All moneys of the authority from whatever source derived shall be paid to the treasurer of the authority and shall be deposited forthwith in a bank or banks in the state of New York designated by the authority. The moneys in such accounts shall be paid out on check of the treasurer on requisition by the authority or of such other person or persons as the authority may authorize to make such requisitions. All deposits of such moneys shall, if required by the comptroller or the authority, be secured by obligations of the United States or of the state of New York or of the county of a market value equal at all times to the amount of deposit and all banks and trust companies are authorized to give such security for such deposits. The comptroller and his legally authorized representatives, and the director of finance of the county of Monroe, if he so elect, are hereby authorized and empowered from time to time to examine the accounts and books of the authority, including its receipts, disbursements, contracts, leases, sinking funds, investments and any other matters relating to its financial standing. The authority shall have power, notwithstanding the provisions of this section, to contract with the holders of any of its bonds as to the custody, collection, security, investment and payment of any moneys of the authority, or any moneys held in trust or otherwise for the payment of bonds or in any way to secure bonds, and to carry out any such contract notwithstanding that such contract may be inconsistent with the provisions of this section. Moneys

held in trust or otherwise for the payment of bonds or in any way to secure bonds and deposits of such moneys may be secured in the same manner as moneys of the authority, and all banks and trust companies are authorized to give such security for such deposits.

§ 1098. Bonds of the authority. 1. The authority shall have the power and is hereby authorized from time to time to issue its negotiable bonds in conformity with applicable provisions of the uniform commercial code for any of its corporate purposes, including incidental expenses in connection therewith, and to secure the payment of the same by a lien or pledge covering all or part of its contracts, earnings or revenues except that no resolution or other action of the authority providing for the issuance of bonds may be adopted or otherwise made effective without the prior approval of the Monroe county legislature. The powers conferred by this section on such Monroe county legislature shall be exercised with due regard for the rights of the holders of bonds of the authority at any time outstanding, and nothing in, or done pursuant to, this section shall in any way limit, restrict or alter the obligation or powers of the authority or any member, director, officer or representative of the authority to carry out and perform in every detail each and every covenant, agreement or contract at any time made or entered into by or on behalf of the authority with respect to its bonds or for the benefit, protection, or security of the holders thereof. The authority shall have power from time to time whenever it deems refunding expedient, to refund any bonds by the issuance of new bonds whether the bonds to be refunded have or have not matured, and may issue bonds partly to refund bonds then outstanding and partly for any of its corporate purposes. Except as may be otherwise expressly provided by the authority, every issue of bonds by the authority shall be general obligations payable out of any moneys, earnings or revenues of the authority, subject only to any agreements with the holders of particular bonds pledging any particular moneys, earnings or revenues.

2. The bonds shall be authorized by resolution of the authority and shall bear such date or dates, mature at such time or times not exceeding forty years from their respective dates, bear interest at such rates per annum not exceeding six per centum per annum payable at such times within the limitations as to interest cost hereinafter provided, be in such denominations, be in such form either coupon or registered, carry such registration privileges, be executed in such manner, be payable in lawful money of the United States of America, at such place or places and be subject to such terms of redemption, at par or at a price not exceeding one hundred five per centum of their face value, as such resolution or resolutions may provide.

All bonds of the authority may be sold at public or private sale. Such bonds shall be sold for a price not less than ninety-six per centum of the par value thereof, plus accrued interest, provided always that the interest cost to maturity of the monies realized from the sale of such bonds shall not exceed six per centum per annum.

3. Any resolution or resolutions authorizing any bonds or any issue of bonds may contain provisions, which shall be a part of the contract with the holders of the bonds thereby authorized, as to

(a) pledging all or any part of the moneys, earnings, income and revenues derived from all or any part of the properties of the authority to secure the payment of the bonds or of any issue of the bonds subject to such agreements with bondholders as may then exist;

(b) the rates, rentals, fees and other charges to be fixed and collected and the amounts to be raised in each year thereby, and the use and disposition of the earnings and other revenues;

(c) the setting aside of reserves and the creation of sinking funds and the regulation and disposition thereof;

(d) limitations on the right of the authority to restrict and regulate the use of the properties in connection with which such bonds are issued;

(e) limitations on the purposes to which and the manner in which the proceeds of sale of any issue of bonds may be applied;

(f) limitations on the issuance of additional bonds, the terms upon which additional bonds may be issued and secured; the refunding of outstanding or other bonds;

(g) the procedure, if any by which the terms of any contract with bondholders may be amended or abrogated, the amount of bonds the holders of which must consent thereto, and the manner in which such consent may be given;

(h) the creation of special funds into which any earnings or revenues of the authority may be deposited;

(i) the terms and provisions of any trust deed or indenture securing the bonds or under which bonds may be issued;

(j) defining the acts or omissions to act which shall constitute a default in the obligations and duties of the authority to the bondholders and providing the rights and remedies of the bondholders in the event of such default, including as a matter of right the appointment of a receiver, provided, however, that such rights and remedies shall not be inconsistent with the general laws of this state;

(k) limitations on the power of the authority to sell or otherwise dispose of its properties;

(l) any other matters, of like or different character which in any way affect the security or protection of the bonds;

(m) limitations on the amount of moneys derived from the properties to be expended for operating, administrative or other expenses of the authority.

4. It is the intention of the legislature that any pledge of earnings, revenues or other moneys made by the authority shall be valid and binding from the time when the pledge is made; that the earnings, revenues or other moneys so pledged and thereafter received by the authority shall immediately be subject to the lien of such pledge without any physical delivery thereof or further act, and that the lien of any such pledge shall be valid and binding as against all parties having claims of any kind in tort, contract or otherwise against the authority irrespective of whether such parties have notice thereof. Neither the resolution nor any other instrument by which a pledge is created need be recorded.

5. Neither the members of the authority nor any person executing the bonds shall be liable personally on the bonds or be subject to any personal liability or accountability by reason of the issuance thereof.

6. The authority shall have power out of any funds available therefor to purchase (as distinguished from the power of redemption hereinabove provided) any bonds issued by it at a price of not more than the principal amount thereof and accrued interest, and all such bonds shall be cancelled.

7. In the discretion of the authority, the bonds may be secured by a trust indenture by and between the authority and a corporate trustee, which may be any trust company or bank having the powers of a trust company in the state of New York. Such trust indenture may contain such provisions for protecting and enforcing the rights and remedies of the bondholders as may be reasonable and proper and not in violation of law, including covenants setting forth the duties of the authority in relation to the construction, maintenance, operation, repair and insurance of the properties, and the custody, safeguarding and application of all moneys, and may provide that the properties shall be constructed and paid for under the supervision and approval of consulting engineers. The authority may provide by such trust indenture for the payment of the proceeds of the bonds and the revenues of the properties to the trustee under such trust indenture or other depository, and for the method of disbursement thereof, with such safeguards and restrictions as it may determine. All expenses incurred in carrying out such trust indenture may be treated as a part of the cost of maintenance, operation and repairs of the properties. If the bonds shall be secured by a trust indenture the bondholders shall have no authority to appoint a separate trustee to represent them.

Notwithstanding any other provisions of this title, any resolution or resolutions authorizing bonds or notes of the authority shall contain a covenant by the authority that it will at all times maintain rates, fees, rentals or other charges sufficient to pay, and that any contracts entered into by the authority for the sale or distribution of water shall contain rates, fees, rentals or other charges sufficient to pay, the cost of operation and maintenance of the properties, the principal of and interest on any obligation issued pursuant to such resolution or resolutions as the same severally become due and payable, and to maintain any reserves or other funds required by the terms of such resolution or resolutions.

§ 1099. Notes of the authority. The authority shall have power and is hereby authorized to issue negotiable bond anticipation notes in conformity with applicable provisions of the uniform commercial code and may renew the same from time to time but the maximum maturity of any such note, including renewals thereof, shall not exceed five years from the date of issue of such original note. Such notes shall be paid from any moneys of the authority available therefor and not otherwise pledged or from the proceeds of sale of the bonds of the authority in anticipation of which they were issued. The notes shall be issued in the same manner as the bonds and such notes and the resolution or resolutions authorizing the same may contain any provisions, conditions or limitations which the bonds or a bond resolution of the authority may contain. Such notes may be sold at public or private sale at not less than par and shall bear interest at a rate not exceeding five per centum per annum. Such notes shall be as fully negotiable as the bonds of the authority.

§ 1100. Duty of authority to maintain and operate. It shall be the duty of the authority, subject to any limitation on the amount of revenues to be expended for such purpose, to maintain and operate and where necessary to reconstruct its properties.

§ 1101. Transfer of officers and employees. Any public officer or employee under civil service, selected by the authority may, with the consent of the commission, board or department by which he or she has been employed, be transferred to the authority and shall be eligible for such transfer and appointment without examination to comparable offices, positions and employment under the authority. The salary or compensation of any such officer or employee shall after such transfer be paid by the authority. But notwithstanding the provisions of this act, any such officers or employees so transferred to the authority, pursuant to the provisions of this section, who are members of or beneficiaries under any existing pension or retirement system, shall continue to have all rights, privileges, obligations and status with respect to such fund, system or systems as are now prescribed by law, but during the period of their employment by the authority, all contributions to any pension or retirement fund or system to be paid by the employer on account of such officers or employee, shall be paid by the authority; and all such officers and employees who have been appointed to positions under the rules and classifications of the civil service commission of the county of Monroe shall have the same status with respect thereto after transfer to the authority as they had under their original appointments. It is hereby declared that in the interest of efficiency and insofar as may be practicable, all employees engaged in the operation of any property or properties, except in an executive capacity, at the time such property or properties shall have been acquired by the authority, pursuant to the

provisions of this act, shall become the employees of the authority. The appointment and promotion of all employees of the authority shall be made in accordance with the provisions of the civil service law (constituting chapter seven of the consolidated laws) and such rules as the civil service commission of the county of Monroe may adopt and make applicable to such authority.

§ 1102. Agreements of the state. The state of New York does pledge to and agree with the holders of the bonds or notes that the state will not limit or alter the rights hereby vested in the authority to acquire, construct, maintain, operate, reconstruct and improve the properties, to establish and collect the revenues, rates, rentals, fees and other charges referred to in this title and to fulfill the terms of any agreements made with the holders of the bonds or notes, or in any way impair the rights and remedies of the bondholders or noteholders, until the bonds or notes, together with interest thereon, interest on any unpaid installments of interest, and all costs and expenses in connection with any action or proceeding by or on behalf of the bondholders or noteholders, are fully met and discharged.

§ 1103. State, county and municipalities not liable on bonds or notes. The bonds or notes of the authority shall not be a debt of the state of New York or of the county or of any municipality in the county, and neither the state nor the county nor any municipality in the county shall be liable thereon, nor shall they be payable out of any funds other than those of the authority.

§ 1104. Bonds and notes legal investments for fiduciaries. The bonds or notes are hereby made securities in which all public officers and bodies of this state and all municipalities and municipal subdivisions, all insurance companies and associations and other persons carrying on an insurance business, all banks, bankers, trust companies, savings banks and savings associations, including savings and loan associations, building and loan associations, investment companies and other persons carrying on a banking business, and all other persons whatsoever, except as hereinafter provided, who are now or may hereafter be authorized to invest in bonds or other obligations of the state, may properly and legally invest funds including capital in their control or belonging to them; provided that, notwithstanding the provisions of any other general or special law to the contrary, such bonds or notes shall not be eligible for the investment of funds including capital, of trusts, estates or guardianships under the control of individual administrators, guardians, executors, trustees and other individual fiduciaries. The bonds or notes are also hereby made securities which may be deposited with and may be received by all public officers and bodies of this state and all municipalities and municipal subdivisions for any purpose for which the deposit of bonds or other obligations of this state is now or may hereafter be authorized.

§ 1105. Exemption from taxes. 1. It is hereby determined that the creation of the authority and the carrying out of its corporate purposes is in all respects for the benefit of the people of the county of Monroe and its environments, and is a public purpose, and the authority shall be regarded as performing a governmental function in the exercise of the powers conferred upon it by this title and shall not be required to pay any taxes, special ad valorem levies or special assessments upon any property owned by it or under its jurisdiction, control or supervision or upon its activities, or any filing, recording or transfer taxes in relation to instruments filed, recorded or transferred by it or on its behalf.

2. Any bonds or notes issued pursuant to this title, together with the income therefrom shall be exempt from taxation, except for transfer and estate taxes. The revenues, monies and other properties and the activities of the authority shall be exempt from taxes and governmental fees or charges, whether imposed by the state or any municipality, including real estate taxes, franchise taxes or other excise taxes.

3. Notwithstanding any other provisions of this chapter, the authority may make payments in lieu of taxes to municipalities and school districts on any property of the authority located within the jurisdiction of such municipality or school district. The amounts of such payments in lieu of taxes shall be as determined by the authority, provided, however, that the sum paid by the authority for any year shall in no case exceed the sum last levied by the municipality or school district as an annual tax upon the property prior to its acquisition by the authority.

§ 1106. Tax contract by the state. The state of New York covenants with the purchasers and with all subsequent holders and transferees of bonds or notes issued by the authority pursuant to this title, in consideration of the acceptance of and payment for the bonds or notes that the bonds and notes of the authority issued pursuant to this title and the income therefrom, and all moneys, funds and revenues pledged to pay or secure the payment of such bonds or notes, shall at all times be free from taxation except for transfer and estate taxes.

§ 1107. Officers and employees not to be interested in transactions. It shall be a misdemeanor for any of the members of the authority, or any officer, agent, servant or employee thereof, employed or appointed by them to be in any way or manner interested directly or indirectly in the furnishing of work, materials, supplies or labor, or in any contract therefor which the authority is empowered by this title to make.

§ 1108. Contracts. 1. All contracts, or orders, for work, material or supplies performed or furnished in connection with construction shall be awarded by the authority pursuant to resolution. Such contracts, or orders, for work, material or supplies needed for any particular purpose involving an expenditure of more than five thousand dollars shall be awarded only after inviting sealed bids or proposals therefor. The notice inviting sealed proposals shall be published at least once in a newspaper or trade paper selected by the authority for such purpose, such publication to be at least ten days before the date for the receipt of bids. If the authority shall not deem it for the interest of the authority to reject all bids, it shall award the contract to the lowest bidder, unless the authority shall determine that it is for the public interest that a bid other than the lowest bid should be accepted. In any contract for work, material or supplies, there shall be inserted in the discretion of the authority a provision that additional work may be done or material or supplies furnished for the purpose of completing such contract at an expense not exceeding fifteen percentum of the amount of such contract if such additional work, materials or supplies shall be ordered by the authority. The bidder whose bid is accepted shall give security for the faithful performance of the contract, and such other security as the authority may require, and may be required to maintain for such period as shall be stipulated any construction done under the contract, all in the manner prescribed and required by the authority; and the sufficiency of such security shall, in addition to the justification and acknowledgment, be approved by the authority. All bids or proposals shall be publicly opened by the authority or its duly authorized agent. If the bidder whose bid has been accepted after advertising shall neglect or refuse to accept the contract within five days after written notice that the same has been awarded to him on his bid or proposal, or, if he accepts but does not execute the contract and give proper security the authority shall have the right to declare his deposit forfeited, and thereupon it shall be readvertised and relet as above provided. In case any work shall be abandoned by any contractor, the authority may, if the best interests of the authority be thereby served, adopt on behalf of the authority any or all sub-contracts made by such contractor for such work and all such sub-contractors shall be bound by such adoption if made; and the authority shall in the manner provided herein readvertise and relet the work specified in the original contract exclusive of so much thereof as shall be provided for in the sub-contract or sub-contracts so adopted. No bid shall be accepted from or any contracts awarded to, any person or corporation who is in arrears to the authority, or the county of Monroe upon any debt or contract, or is a defaulter as surety or otherwise upon any obligation of the authority, or the county. Every contract involving an expenditure of more than five thousand dollars when made and entered into as herein provided for shall be executed in duplicate, one copy of which shall be held by the authority and one copy of which shall be delivered to the contractor. Upon the adoption of a resolution by a vote of two-thirds of all the members of the authority stating that, for reasons of efficiency or economy, there is need for standardization, purchase contracts for a particular type or kind of equipment, material or supplies of more than five thousand dollars may be awarded by the authority to the lowest responsible bidder furnishing the required security after advertisement for sealed bids therefor in the manner provided in this section. Such resolution shall contain a full explanation of the reasons for its adoption.

2. For the purposes of article fifteen-A of the executive law only, the authority shall be deemed a state agency as that term is used in such article, and all contracts for procurement, design, construction, services and materials shall be deemed state contracts within the meaning of that term as set forth in such article.

§ 1109. Actions. 1. In any case founded upon tort a notice of claim shall be required as a condition precedent to the commencement of an action or special proceeding against the authority or any officer, appointee or employee thereof, and the provisions of section fifty-e of the general municipal law shall govern the giving of such notice. Except in an action for wrongful death, an action against the authority for damages for injuries to real or personal property, or for the destruction thereof, or for personal injuries, alleged to have been sustained, shall not be commenced more than one year and ninety days after the cause of action therefor shall have accrued.

2. An action against the authority for wrongful death shall be commenced in accordance with the notice of claim and time limitation provisions of title eleven of article nine of this chapter.

§ 1110. Audit of authority; annual report. In conformity with the provisions of section five of article ten of the constitution, the accounts of the authority shall be subject to the supervision of the state comptroller and such state comptroller and his legally authorized representatives are hereby authorized and empowered from time to time to examine the accounts and the books of the authority, including its receipts, disbursements, contracts, leases, sinking funds, investments and any other matters relating to its financial standing. The authority shall annually submit to the governor and to the legislature a detailed report pursuant to the provisions of section twenty-eight hundred of this chapter.

§ 1111. Limitation of liability. Neither the members of the authority, nor any person or persons acting in its behalf, while acting within the scope of their authority, shall be subject to any personal liability resulting from the erection, construction, reconstruction, maintenance or operation of the properties or any of the improvements or from carrying out any of the powers expressly given in this title.

§ 1112. Title not affected if in part unconstitutional or ineffective. If any section, clause or provision of this title shall be held unconstitutional, or be ineffective in whole or in part, to the extent that it is not unconstitutional, or ineffective, it shall be valid and effective and no other section, clause or provision shall, on account thereof, be deemed invalid or ineffective.

§ 1113. Effect of inconsistent provisions. In so far as the provisions of this title are inconsistent with the provisions of any other act, general or special, or of any local law of any city, the provisions of this title shall be controlling. Nothing contained in this title shall be held to alter or abridge the powers and duties of the state department of health or of the water power and control commission over water supply matters.

**AMENDED AND RESTATED
BY-LAWS OF THE MONROE COUNTY WATER AUTHORITY**

(Section 1096, paragraph 10 of the Public Authorities Law provides that the Monroe County Water Authority shall have the power to make by-laws for the management and regulation of its affairs, and, subject to agreements with its bondholders, to make rules for the sale of water and the collection of rents and charges therefor. A copy of such By-Laws and rules, and all amendments thereto, duly certified by the Secretary of the Authority, shall be filed in the office of the Clerk of the County and thereafter published once in two newspapers having a general circulation in the County.)

**ARTICLE I
The Authority**

1. Name of Authority. The name of the Authority is the Monroe County Water Authority (the “Authority”).
2. Purposes. The Authority is a public benefit corporation, created by and having the powers and functions set forth in the Monroe County Water Authority Act of the Public Authorities Laws, as amended (the “Act”).
3. Fiscal Year. The fiscal year of the Authority shall coincide with the calendar year. The Authority’s fiscal year may be changed by resolution adopted at a regular or special meeting of the Authority.

**ARTICLE II
Meetings**

1. Annual Meeting. The annual meeting of the members of the Authority (the “Members”) for the election of officers and the transaction of such other business as may properly come before it shall be held at the principal offices of the Authority, 475 Norris Drive, Rochester, New York, or at such other place, and at such time and on such date during the month of April in each year as shall be established by resolution of the Authority from time to time.
2. Regular Meetings. Regular meetings of the Members shall be held at least once in each and every calendar month at a date, time and place of each such meeting to be fixed by resolution of the Authority from time to time.

3. Special Meetings. All special meetings may be held at any time or place within the County of Monroe on twenty-four (24) hours' notice to each Member, or within the State of New York on seventy-two (72) hours' notice to each Member. Such notice may be oral, by facsimile, electronically mailed, personally delivered or written, shall be given, sent or mailed not less than twenty-four (24) hours before the meeting, if to be held in the County of Monroe, and not less than seventy-two (72) hours before the meeting, if to be held in the State of New York, and shall state, in addition to the purposes, the date, place and hour of such meeting. Oral notice shall be immediately confirmed in writing.

Special meetings may be called by the Chairperson, or in his or her absence, by the Vice-Chairperson. Special meetings also may be called by any two Members.

4. Regular and Special Meetings. Any regular meeting shall be open for the consideration of any matter, which may be properly brought to the attention of the Authority. Notice of regular meetings shall not be required. Special meetings shall be open for the consideration of only the purpose for which said special meeting is called, which shall be set forth in the meeting notice.

5. Waiver. Notice of a meeting need not be given to any Member who submits a signed waiver whether before or after the meeting, or who attends the meeting without protesting, prior thereto or at its commencement, the lack of notice to him or her.

6. Quorum. Four Members shall constitute a quorum at any meeting duly called and held. No action shall be taken except pursuant to the favorable vote of at least four Members. A majority of the Members present, whether or not a quorum is present, may adjourn any meeting to another time and place.

ARTICLE III

Members of the Authority

1. Term of Office. The term of office for Members shall be as fixed by Section 1095 of the Public Authorities Law (enacted into law as Chapter 804 of the Laws of 1950 as amended by Chapter 116 of the Laws of 1951, and as further amended by Chapter 938 of the Laws of 1977, and as may be further amended from time to time), and they shall have the duties and powers as set forth therein.

2. Members of the Authority:

- (i) Power and General Duties. The Members shall oversee the management of the affairs of the Authority by its Executive Director and other employed officers. The Members shall establish, monitor and update from time to time such policies as they deem necessary or desirable and appropriate to promote honest and ethical conduct by the Authority's officers, employees, and to maintain and enhance the public's confidence in the Authority. To that end, the Members shall periodically review and update the Authority's code of ethics and policies regarding conflicts of interest; policies regarding the procurement or disposition of real and

personal property, or interest therein, by the Authority; and policies regarding the purchase of goods and services, including service contracts. All of such policies shall be consistent with the Act, other applicable law or these By-Laws.

- (ii) Fiduciary Duty. The Members shall perform each of their duties in good faith and with that degree of diligence, care and skill that an ordinarily prudent person in like position would use under similar circumstances, and apply independent judgment in the best interest of the Authority, its mission and the public.
- (iii) Acknowledgement. Each Member shall execute an acknowledgement, in the form prescribed by the New York State Authorities Budget Office.

3. Governance Committee. The Authority shall appoint and constitute a standing governance committee comprised of at least three (3) independent Members who possess the necessary skills to understand the duties and functions of the Governance Committee. The Chairperson shall be a member ex officio of the Governance Committee and shall have the right, but not the duty, to vote on all propositions before such committee. Members of the Governance Committee will serve at the pleasure of the Members and be appointed on an annual basis. The Members will elect the chair of the Committee at least annually. The responsibilities of the Governance Committee shall include:

- (i) developing and recommending to the Members a set of corporate governance principles applicable to the Authority, reviewing corporate governance trends and obligations, especially as they pertain to public authorities and reporting on same periodically, reviewing the Authority's corporate governance guidelines periodically, and recommending to the Members such changes to the Authority's corporate governance guidelines as the Governance Committee from time to time deems necessary or desirable and appropriate;
- (ii) reviewing annually with the Members the appropriate skills, characteristics and experiences required of Members in the context of the then current composition of the Authority and, as applicable, advising the County Legislature on the skills and experience required of potential Members; and
- (iii) examining ethical and conflict of interest issues, performing Member self-evaluations, and recommending to the Members, as necessary, revisions to these By-Laws.

4. Audit Committee. The Authority shall appoint and constitute a standing audit committee comprised of at least three (3) independent Members. The Chairperson shall be a member ex officio of the Audit Committee and shall have the right, but not the duty, to vote on all propositions before such committee. Members of the Audit Committee shall possess the necessary skills to understand the duties and functions of the Audit Committee and shall be familiar with corporate financial and accounting practices. The responsibilities of the Audit Committee shall include:

- (i) reviewing and approving the Authority's financial statements;
- (ii) overseeing the Authority's internal controls and compliance systems;
- (iii) appointing, compensating and overseeing outside auditors retained by the Authority. Unless otherwise approved by the Members, such outside auditors shall not provide non-audit services to the Authority;
- (iv) resolving disagreements with respect to, and overseeing compliance with, accounting policies and principles;
- (v) reviewing management reports on internal controls and attestation of such reports by the Authority's outside auditors;
- (vi) investigating compliance with the Authority's policies and/or referring instances of non-compliance to the appropriate offices for investigation; and
- (vii) conducting a periodic review and implementation of procedures regarding the compensation of executive staff of the Authority, including preparation of a written annual performance review of the Executive Director in coordination with the Governance Committee.

5. Finance Committee. The Authority shall appoint and constitute a standing finance committee comprised of at least three (3) independent Members. The Chairperson shall be a member ex officio of the Finance Committee and shall have the right, but not the duty, to vote on all propositions before such committee. Members of the Finance Committee shall possess the necessary skills to understand the duties and functions of the Finance Committee. The responsibilities of the Finance Committee shall include, without limitation:

- (i) reviewing proposals for the issuance of debt by the Authority;
- (ii) preparing and submitting to the Authorities Budget Office ("ABO") a statement of intent to guide the Authority's issuance and overall amount of bonds, notes, or other debt obligations that the Authority may issue by a deadline fixed by the ABO; and
- (iii) issuing recommendations regarding the issuance of debt by the Authority.

6. Other Standing Committees. The Chairperson may, from time to time, and at his option, appoint other standing committees for general or specific purposes, each consisting of at least two Members. The Chairperson shall be a member of each such committee by virtue of his office. Such standing committees will be charged with duties and responsibilities described by the Chairperson and shall report to the Authority at its regular meetings.

7. Members Compensation. Pursuant to Section 1095 of the New York Public Authorities Law, the Members shall receive such compensation as is fixed from time to time by the Monroe County legislature for the performance of their regular duties, as defined by resolution of the Members, which shall include the attendance of regular meetings of the Authority provided for in Article I of the By-Laws.

ARTICLE IV

Officers of the Authority

1. Officers Generally. The officers of the Authority shall be a Chairperson, Vice Chairperson and Treasurer, who shall be Members, and a Secretary, Executive Director, Deputy Executive Director, Director of Finance and Business Services, Executive Engineer, Director of Production/Water Supply and Director of Operations, Director of Engineering-Civil Engineer who shall not be Members. The Chairperson, Vice Chairperson and Treasurer of the Authority shall be elected annually by the Members at their annual meeting in accordance with Section 1095 of the Public Officers Law. All other officers shall be appointed by, and shall serve at the pleasure of, the Authority, subject to the rights of such persons under the Civil Service Law.

2. Chairperson. The Chairperson shall preside at all meetings of the Members. He or she shall sign in the name of the Authority all notes; bonds or other evidences of indebtedness when so authorized by resolution of the Authority, and shall perform such other duties as may be assigned to him or her from time to time by the Authority.

3. Vice Chairperson. The Vice-Chairperson shall, in the absence or incapacity of the Chairperson, perform the duties of that officer and shall perform all the duties as the Authority may designate.

4. Treasurer. The Treasurer shall have the care and custody of all funds and securities of the Authority from whatever source derived and shall deposit the same forthwith in the name of the Authority in such bank or banks in the State of New York as the Authority shall designate. The moneys in such accounts shall be paid out on check of the Treasurer or Executive Director or Director of Finance and Business Services, on requisition by the Authority, or on requisition of such other person or persons as the Authority may authorize to make such requisitions. Funds not immediately required by the Authority shall be invested in accordance with the Authority's investment policy and applicable law.

5. Secretary. The Secretary shall keep the minutes of the meetings of the Authority; attend to the serving of notices of all meetings, regular or special; shall affix the seal to all papers or documents as may require it; shall attend to such correspondence as may be assigned to him or her; shall perform all the duties as the Authority may designate. The Authority may designate an Acting Secretary who, in the absence or incapacity of the Secretary, shall perform the duties of that officer.

6. Other Officers and Employees. The Executive Director, the Deputy Executive Director, the Director of Finance and Business Services, the Executive Engineer, the Director of Production/Water Supply, the Director of Operations, and the Director of Engineering - Civil Engineer shall have such duties and qualifications as the Authority may from time to time determine, subject to the applicable terms of the Civil Service Law of the State of New York. In the absence of the Executive Director, the Executive Director or the Members may designate any of such officers to act as the Executive Director. The Authority may appoint, and at its pleasure remove, such other officers and employees as it may require for the performance of its duties, fix and determine their qualification, duties and compensation, subject to the provisions of the Civil Service Law of the State of New York.

7. Contracts; Authority to Execute. The Members may, by resolution, authorize any officer or agent to enter into any contract or execute and deliver any instrument in the name of and on behalf of the Authority, and such authority may be general or confined to specific instances; but, unless so authorized by the Members by resolution, or expressly authorized by these By-Laws, no officer, agent or employee shall have any power or authority to (i) bind the Authority by any contract or engagement other than in the ordinary course of the Authority's business or (ii) pledge the Authority's credit or to render it liable financially in any amount for any purpose, except for the payment of a debt or obligation not in excess of:

- (i) for all contracts, or orders, for work, materials or supplies performed or furnished in connection with construction, the sum of \$5,000.00; and
- (ii) for all other purposes, the sum of \$15,000.00.

The foregoing limitations shall not apply to the payment of the Authority's obligations under, in connection with or pursuant to any contract or engagement that has been properly authorized in accordance with these By-Laws.

8. Defense and Indemnification of Members, Officers and Employees. The Authority shall defend, indemnify and save harmless its employees (as "employee" is defined in Section 18 (1)(b) of the Public Officers Law of the State of New York) to the full extent authorized or permitted by Section 18 of the Public Officers Law (being Chapter 277 of the Laws of 1981) or by any other applicable law. Said Section 18 of the Public Officers law is incorporated by reference herein as if fully set forth in this Section 8. The Authority makes the agreements required by Section 2(b) of said Section 18 of the Public Officers Law and is authorized to provide insurance as permitted by Section 8 of said Section 18 of the Public Officers Law.

ARTICLE V

Amendments

1. These By-Laws may be repealed or amended by the Monroe County Water Authority at any duly called regular or special meeting of the Authority, provided, however, that any motion to repeal or amend these By-Laws shall not be adopted until the same has laid on the table until the next succeeding regular meeting.

ARTICLE VI
Seal

1. The seal of the Water Authority shall be circular in form and shall bear the name of the Monroe County Water Authority, State of New York and 1951. Thus:

I, KATHLEEN EISENMANN, duly appointed and qualified Secretary of the Monroe County Water Authority do hereby CERTIFY that the foregoing is a true, correct and complete copy of the By-Laws of said Monroe County Water Authority, as amended December 13, 2012.

WITNESSETH, my hand and seal this 14th day of December, 2012.



Kathleen A. Eisenmann,
Secretary to the Authority

MCWA MISSION STATEMENT

The Monroe County Water Authority is a not-for-profit public benefit corporation that reliably provides quality, affordable water that fosters economic vitality and enhanced quality of life for Monroe County and area communities who request service.



PERFORMANCE MEASUREMENTS FOR 2016

The Monroe County Water Authority will evaluate and monitor the following goals and global performance measurements to assess our effectiveness in meeting our mission.

The **reliability** component of our mission will be evaluated by the following:

- Continuity of production capacity is paramount. Unplanned outages from treatment plants and pumping stations are tracked by the number of events and duration of events. As each of these facilities is unique and will have a varying level of severity of impact, each outage event of greater than four hours is assessed and, if necessary, an action plan to minimize impacts is to be developed.
- Distribution System reliability is measured by an assessment of the number of main breaks per mile of water main as benchmarked against the most recent American Water Works Association Benchmarking report. Our goal is to achieve a benchmark that is better than the national average ratio.
- Maintaining the long-term reliability of our infrastructure requires a planned reinvestment in its renewal. Our goal is to implement a budget that reinvests a minimum of 2% of annual revenues in the renewal and replacement of our infrastructure.

The **quality** aspect of our mission will be evaluated by:

- Our goal is to produce and deliver water that meets or exceeds the requirements of state and federal water quality regulations. This can be measured by compliance with each regulated parameter and is reported to the Board, and our customers, with an annual Water Quality Report.
- Our Customer Service Information System includes tracking mechanisms for categorizing and measuring the number of customer calls that are specific to quality. Trends and specific events are analyzed and, if necessary, action plans are to be implemented.

The **affordable** component of our mission will be judged in relation to:

- Our goal is to achieve a better than average cost of service for a typical residential customer as benchmarked against our peer group of New York State water purveyors.
- The ratings on our bonds affect the cost of capital to our customers and it also provides an outside perspective and analysis of the overall financial health of the Water Authority. Our goal is to maintain a double A rating or better from the rating agencies.

The response to **request of service** to area communities component of our mission statement will be measured by:

- Requests for service can be accurately measured by reporting and tabulating contacts from local communities. Internal procedures direct all such contacts of this nature be directed to the Executive Director's office, who will annually report all such requests and the status thereof to the Board.



REPORT ON 2016 PERFORMANCE MEASUREMENTS

The Monroe County Water Authority will evaluate and monitor the following goals and global performance measurements to assess our effectiveness in meeting our mission.

The **reliability** component of our mission will be evaluated by the following:

- Continuity of production capacity is paramount. Unplanned outages from treatment plants and pumping stations are tracked by the number of events and duration of events. As each of these facilities is unique and will have a varying level of severity of impact, each outage event of greater than four hours is assessed and, if necessary, an action plan to minimize impacts is to be developed.

✓ ***Results for 2016:** There were no unplanned outages of supply capacity lasting more than four hours. Outages of specific treatment components, tanks, pumps and water mains were either planned in advance or did not lead to a significant reduction in capacity.*

MCWA's treatment, distribution and storage systems have been designed with redundancy and flexibility so that individual components may be temporarily taken out of service while maintaining MCWA's full ability to meet customer demands.

- Distribution System reliability is measured by an assessment of the number of main breaks per mile of water main as benchmarked against the most recent American Water Works Association Benchmarking report. Our goal is to achieve a benchmark that is better than the national average ratio.

✓ ***Results for 2016:** The AWWA benchmark to meet the goal for system integrity is 33.5 breaks / 100 miles of pipeline / year. In 2016 the actual number of breaks and leaks repaired was 595, yielding an actual system integrity rating of 18.3, well below national median.*

- Maintaining the long-term reliability of our infrastructure requires a planned reinvestment in its renewal. Our goal is to implement a budget that reinvests a minimum of 2% of annual revenues in the renewal and replacement of our infrastructure.

✓ ***Results for 2016:** The Water Authority's 2016 budget for infrastructure related reinvestment was as follows:*

▪ Production & Transmission:	\$ 1,050,000
▪ Engineering:	\$7,400,000
▪ Facilities Fleet Operations:	\$1,062,500
▪ Finance & Business Services	\$2,171,000
▪ Total	\$11,783,500

All projects in the budget were either initiated or completed in 2016.

This reinvestment in infrastructure replacement was greater than the goal amount.

The **quality** aspect of our mission will be evaluated by:

- Our goal is to produce and deliver water that meets or exceeds the requirements of state and federal water quality regulations. This can be measured by compliance with each regulated parameter and is reported to the Board, and our customers, with an annual Water Quality Report.

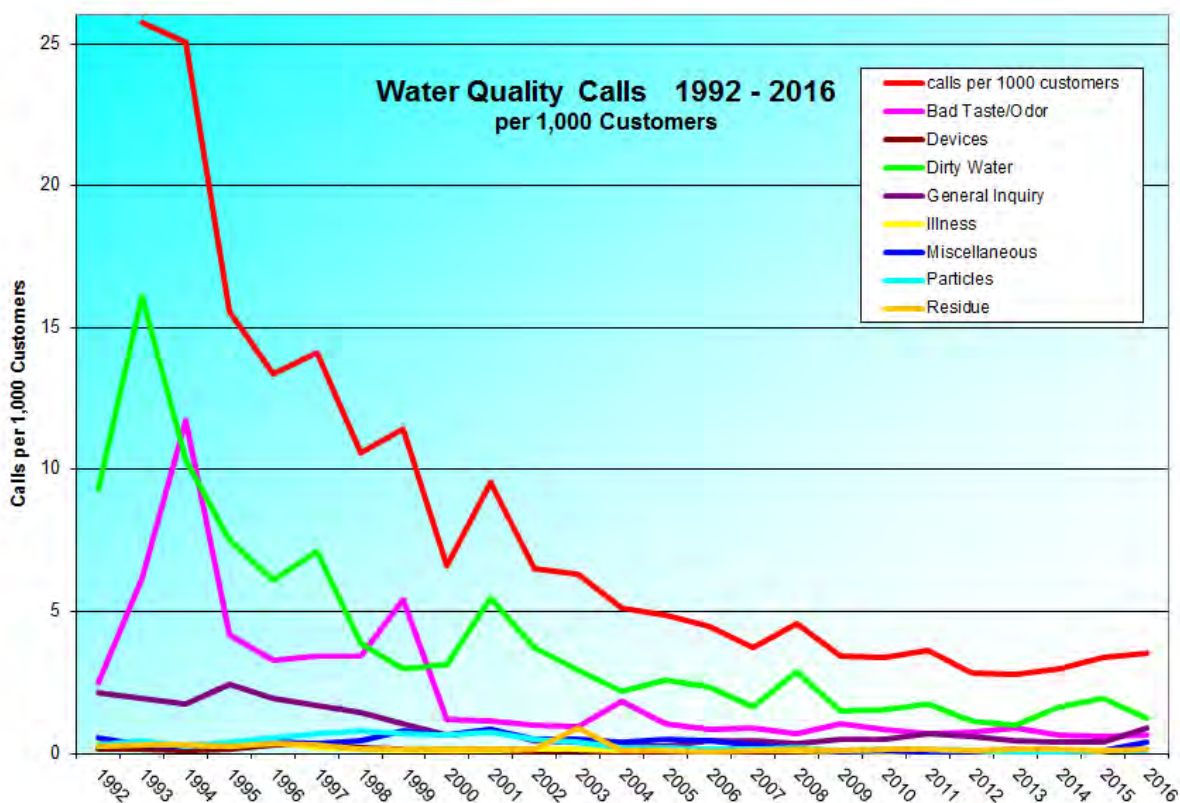
✓ **Results for 2016:**

All of Monroe County Water Authority's produced and delivered water supplies were in full compliance with New York State Health Department and EPA regulatory requirements. Our Annual Water Quality Report reflecting this achievement will be made available to our customers on the MCWA.com website or delivered to customers in accordance with the revised EPA regulations regarding the Consumer Confidence Report (CCR) requirements.

- Our Customer Service Information System includes tracking mechanisms for categorizing and measuring the number of customer calls that are specific to quality. Trends and specific events are analyzed and, if necessary, action plans are to be implemented.

✓ **Results for 2016:**

MCWA received about 644 quality related customer calls in 2016 (about 3 calls per thousand customers). The Shoremont Lab handled 235 of these calls, 70 of which resulted in onsite investigations and action plans if needed. The overall trend in customer calls has been downward, however there has been a slight upturn in the past two years which is driven by national news events surrounding lead stemming from the Flint MI problems and lead in schools. (see chart below).



The **affordable** component of our mission will be judged in relation to:

- Our goal is to achieve a better than average cost of service for a typical residential customer as benchmarked against our peer group of New York State water purveyors.

✓ **Results for 2016:** *The analyses of the rates charged for a typical residential customer for our peer group is shown below. MCWA rates in the lower quartile, significantly better than the 2016 goal.*

Comparison of 2017 Annual Single Family Residential Water Charges (All amounts in \$)				
	Annual Fixed Charge	Annual Consumption- Based Charge	Annual Minimum Charge	Annual Total Charge
Suffolk County Water Authority	\$ 90	\$ 145	\$ 90	\$ 235
Albany Water Board	\$ -	\$ 286	\$ 105	\$ 286
City of Syracuse	\$ -	\$ 311	\$ 151	\$ 311
Monroe County Water Authority	\$ 77	\$ 237	\$ 77	\$ 313
City of Watertown	\$ -	\$ 325	\$ 133	\$ 325
Erie County Water Authority	\$ 79	\$ 254	\$ 193	\$ 332
Western Nassau Water Authority	\$ -	\$ 356	\$ 178	\$ 356
Onondaga County Water Authority	\$ 120	\$ 243	\$ 120	\$ 363
Niagara Falls Water Board	\$ 15	\$ 350	\$ 185	\$ 365
City of Rochester	\$ 92	\$ 282	\$ 92	\$ 374
Buffalo Water Board	\$ 140	\$ 244	\$ 140	\$ 384
Yonkers	\$ -	\$ 398	\$ 187	\$ 398
New York	\$ -	\$ 407	\$ 179	\$ 407
City of Binghamton	\$ 64	\$ 353	\$ 201	\$ 417
City of Poughkeepsie	\$ 3	\$ 460	\$ 123	\$ 463
Elmira Water Board	\$ -	\$ 464	\$ 156	\$ 464
Mohawk Valley Water Authority	\$ 121	\$ 362	\$ 253	\$ 483
Average	\$ 47	\$ 322	\$ 151	\$ 369
Notes				
Charges are based on rates in effect in January 2017				
Charges assume a single family residential customer using:				
- a 5/8" meter and 80,000 gallons of water per year				
Minimum charges include fixed charges				

- The ratings on our bonds affect the cost of capital to our customers and it also provides an outside perspective and analysis of the overall financial health of the Water Authority. Our goal is to maintain a double A rating or better from the rating agencies.

✓ **Results for 2016:** *Moody's and Standard & Poor's assigned long-term ratings as listed below, unchanged from last year (MCWA last issued Water System Revenue Bonds in August 2013).*

- *Standard and Poor's: AA+*
- *Moody's: Aa2*

The response to **request of service** to area communities' component of our mission statement will be measured by:

- Requests for service can be accurately measured by reporting and tabulating contacts from local communities. Internal procedures direct all such contacts of this nature be directed to the Executive Director's office, who will annually report all such requests and the status thereof to the Board.

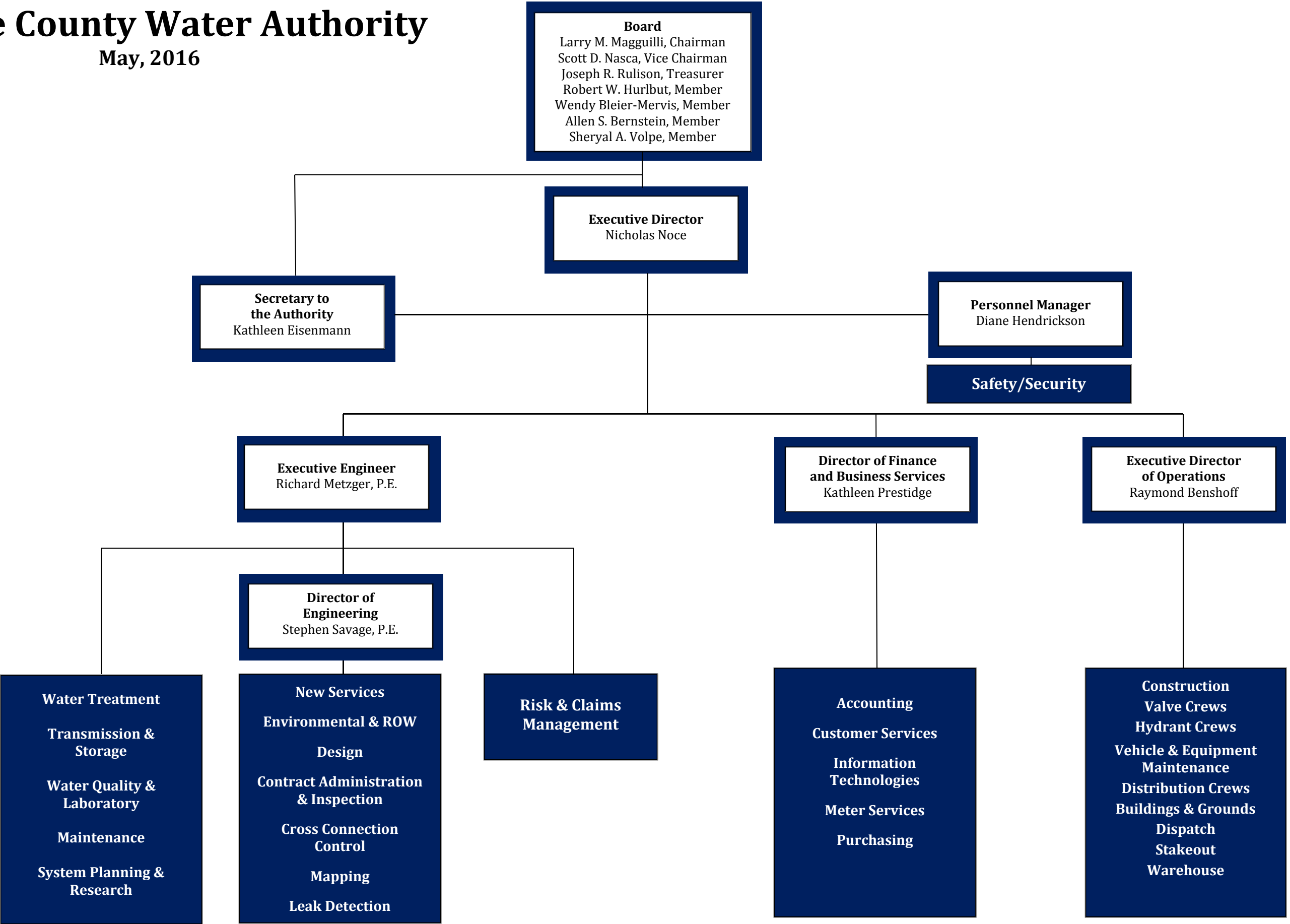
✓ **Results for 2016:** *A report of contacts made by water purveyors that are presently un-served, or looking to upgrade service from wholesale to retail, was presented to the Board at its January 2017 meeting.*

We entered into new retail lease with the Town of Bethany and renewed the retail lease with the Village of Bergen in 2016.

We responded to inquiries and had discussions regarding service options with the Towns of Clarendon, Byron, Gaines, Darien, Pavilion, York and Mendon regarding new, or significantly expanded, service.

Monroe County Water Authority

May, 2016



MONROE COUNTY WATER AUTHORITY

Officers and Members of the Authority

By statute, MCWA Board Members are appointed by the President of the County Legislature of Monroe County subject to confirmation by a majority of the County Legislature of Monroe County.

Larry M. Magguilli is a licensed Real Estate Broker who is associated with Hunt Real Estate and is President of First Team Real Properties, Inc. He previously worked in both the New York State Assembly and the New York State Senate. Mr. Magguilli also served on the Zoning and Planning Boards in the town of Pittsford, and the Rochester Real Estate Board and Sisters of Mercy Residential Housing Board.

A Board Member for the Monroe County Water Authority since 1998, he currently serves as Chairman of the Board of Directors. He also serves as a member ex-officio of the Audit, Governance and Finance committees.

Mr. Magguilli graduated from St. John Fisher College and McQuaid Jesuit High School.

Scott D. Nasca is the President of Generation Capital Management, LLC in Rochester, New York. He is the former Principal and Director of Equity Investments at Karpus Investment Management in Pittsford, New York.

Mr. Nasca currently serves as a member of the Association for Investment Management and Research as well as the Rochester Society of Security Analysts.

Mr. Nasca holds an MBA with a concentration in Finance from the Rochester Institute of Technology.

He was appointed to the Water Authority's Board of Directors in January 2014 and currently serves as the Vice-Chairman of the Board. He is also a member of the Governance and Finance committees.

Joseph R. Rulison is Co-Founder and CEO at **three+one** advisors. He is the former Managing Director for the Upstate New York market, for J.P. Morgan Private Bank.

A Board Member, and Treasurer, for the Monroe County Water Authority, Mr. Rulison currently serves as Chair of the Audit committee. In addition, he serves on the Board of Directors at Visit Rochester and the Memorial Art Gallery, as well as being a Trustee and past Chair for St. John Fisher College, and Trustee to the University of Redlands, Redlands, California. He formerly served as the Chairman of the County of Monroe Industrial Development Agency (COMIDA) and Chairman of the Board of Trustees for Geva Theater.

Mr. Rulison holds an Honorary Doctor of Law degree from St. John Fisher College.

Wendy Bleier-Mervis has been Executive Director of Camp Good Days and Special Times since 2006. Before that, Ms. Bleier-Mervis served as Interim Executive Director and Camp Director. She is a former physical education teacher and varsity softball coach.

Ms. Bleier-Mervis serves as Chair of the Monroe County Youth Board, and is a member of numerous professional organizations including the Association of Fundraising Professionals and the Council of Agency Executives. She was named Honorary Chair of the WHAM Women Sports Award and Luncheon in 2008 and was inducted into the Section V Athletics Hall of Fame in 2009.

She holds a BS in Physical Education from SUNY Brockport, a MS in Educational Administration from SUNY Brockport and BS in Political Science from Colgate University.

She was named to the Water Authority's Board of Directors in 2011 and currently serves as Chair for the Governance Committee as well as being a member of the Audit committee.

Robert W. Hurlbut has been president of ROHM Services Corporation, which operates 13 nursing homes in upstate New York and Florida, since 1993. Prior to that time, he served as Vice President of ROHM Services Corporation and was administrator at Hurlbut Nursing home in Brighton.

Mr. Hurlbut is a graduate of Rochester Institute of Technology, with a degree in Food, Hotel and Travel Management. He serves on numerous community and civic boards. He was named a Distinguished Alumnus of Rochester Institute of Technology in 1998 and was given the University's Sarah Margaret Gillam Award – Hotel School in 2009. He was named one of Rochester's 40 Under 40 by the Rochester Business Journal in 1995.

He was appointed to the Water Authority's Board of Directors in 2011 and serves as Chair for the Finance committee.

Allen S. Bernstein is Executive Vice President of DePrez Travel, a group of Rochester companies in the travel industry. He was formerly an investigator for the Monroe County Sheriff's Office in the White Collar Crime Unit and has previously served as a Commissioner of the Rochester Genesee Regional Transit Authority and as a board member of Rochester Crimestoppers.

Mr. Bernstein was trained at the FBI Academy in Virginia and attended numerous seminars dealing with all facets of law enforcement. He is a graduate of Monroe Community College.

He was appointed to the Water Authority's Board of Directors in January 2014 and is a member of the Finance committee.

Sheryal A. Volpe is an independent NYS Licensed Real Estate Broker who specializes in commercial sales, leasing and property management.

Mrs. Volpe previously served on the Ontario County Board of Supervisors and was Planning Committee Chair; Canadice Town Supervisor, Budget Officer, Assessor Chairwoman; Former Vice President of Genesee Finger Lakes Regional Planning Council.

Mrs. Volpe is also Vice President of Patriot Business and Realty Services Corporation.

She was appointed to the Water Authority's Board of Directors in November 2015 and is a member of the Audit and Governance committees.

Name	Appointment/Reappointment Date	Term Expiration Date
Larry M. Magguilli	09/12/2012	04/01/2017
Scott D. Nasca	05/13/2014	04/01/2019
Joseph R. Rulison	05/13/2014	04/01/2019
Wendy Bleier-Mervis	06/15/2016	04/01/2021
Robert W. Hurlbut	09/12/2012	04/01/2017
Allen S. Bernstein	01/14/2014	04/01/2018
Sheryal A. Volpe	06/15/2016	04/01/2021

Management of the Authority

Nicholas A. Noce, appointed Executive Director for the Authority on December 1, 2011 following a 15-month period serving as Interim Executive Director. He has been employed with the Authority since May of 2005 and previously held the position of Director of Finance & Business Services. He received a Bachelor of Science degree from Niagara University and is a member of the NYS Government Finance Officers Association and American Water Works Association. During his tenure as Director of Finance & Business Services his fiscal guidance contributed to the Authority's strong bond ratings. Prior to joining the Authority, Mr. Noce held various financial positions in another public benefit corporation.

Richard J. Metzger, P.E., Executive Engineer for the Authority since 1989. He received a Bachelor of Science degree in Civil Engineering from Rochester Institute of Technology. Before joining the Authority, Mr. Metzger was a project engineer with O'Brien & Gere Engineers, Inc. of Syracuse, New York, consulting engineers to the Authority.

Raymond W. Benshoff, Executive Director of Operations, has been employed with the Authority since 1996. He received a Bachelor of Science degree in Business Administration from Trine University and is a member of the Monroe County Highway Superintendents Association. Prior to joining the Authority, Mr. Benshoff spent 25 years in management positions in the construction equipment field.

Kathleen A. Prestidge, Appointed Director of Finance & Business Services for the Authority in October of 2013. She received a Bachelor of Science degree in Accounting from Clarkson University. Before joining the Authority in 1989, Ms. Prestidge held positions in banking and finance in the private sector.

Stephen M. Savage, P.E., Director of Engineering for the Authority since February 2008 and has been employed with the Authority since January 2006. He received a Bachelor of Science degree in Civil Engineering from Rochester Institute of Technology. Before joining the Authority, Mr. Savage was a project manager with MRB Group, P.C. (a municipal consulting engineering firm) in Penfield, New York.

MCWA Board Committees & Members for 2016

Audit Committee

Committee Created January 13, 2005

Joseph R. Rulison (Committee Chair)

Wendy Bleier-Mervis

Sheryal A. Volpe

Larry M. Magguilli (Ex-Officio)

Governance Committee

Committee Created August 11, 2005

Wendy Bleier-Mervis (Committee Chair)

Scott D. Nasca

Sheryal A. Volpe

Larry M. Magguilli (Ex-Officio)

Finance Committee

Committee Created March 2010

Robert W. Hurlbut (Committee Chair)

Scott D. Nasca

Allen S. Bernstein

Larry M. Magguilli (Ex-Officio)

Monroe County Water Authority – Board Meetings 2016 – Board Attendance

- **January 14, 2016 Regular Board Meeting**
Six (6) Members were in attendance: Vice Chairman Mr. Magguilli, Mr. Rulison, Ms. Bleier-Mervis, Mr. Bernstein, Mrs. Volpe and Mr. Nasca. Member(s) absent, One (1): Mr. Hurlbut.
- **February 11, 2016 Regular Board Meeting**
Six (6) Members were in attendance: Vice Chairman Mr. Magguilli, Mr. Rulison, Ms. Bleier-Mervis, Mr. Hurlbut, Mrs. Volpe and Mr. Nasca. Member(s) absent, One (1): Mr. Bernstein.
- **March 10, 2016 Regular Board Meeting**
Five (5) Members were in attendance: Vice Chairman Mr. Magguilli, Mr. Rulison, Mr. Nasca, Mr. Bernstein and Mrs. Volpe. Members absent: Two (2): Mr. Hurlbut and Ms. Bleier-Mervis.
- **April 14, 2016 Regular Board Meeting, followed by Annual Meeting**
Seven (7) Members were in attendance: Vice Chairman Mr. Magguilli, Mr. Rulison, Mr. Hurlbut, Mr. Nasca, Mr. Bernstein, Mrs. Volpe and Ms. Bleier-Mervis. All present.
- **May 12, 2016 Regular Board Meeting**
Six (6) Members were in attendance: Chairman Magguilli, Mr. Rulison, Mr. Hurlbut, Mr. Nasca, Mr. Bernstein and Mrs. Volpe. Member(s) absent, One (1): Ms. Bleier-Mervis.
- **June 9, 2016 Regular Board Meeting**
Seven (7) Members were in attendance: Chairman Magguilli, Mr. Rulison, Mrs. Volpe, Mr. Hurlbut, Ms. Bleier-Mervis, Mr. Nasca and Mr. Bernstein. All present.
- **July 14, 2016 Regular Board Meeting**
Six (6) Members were in attendance: Chairman Magguilli, Mr. Rulison, Mrs. Volpe, Ms. Bleier-Mervis, Mr. Nasca and Mr. Bernstein. Member(s) absent, One (1): Mr. Hurlbut.
- **July 28, 2016 Special Board Meeting**
Seven (7) Members were in attendance: Chairman Magguilli, Mr. Nasca, Mr. Rulison, Mr. Hurlbut, Ms. Bleier-Mervis, Mr. Bernstein and Mrs. Volpe. All present.
- **August 11, 2016 Regular Board Meeting**
Five (5) Members were in attendance: Chairman Magguilli, Mrs. Volpe, Mr. Hurlbut, Ms. Bleier-Mervis and Mr. Bernstein. Member(s) absent, Two (2): Mr. Nasca and Mr. Rulison.
- **September 8, 2016 Regular Board Meeting**
Seven (7) Members were in attendance: Chairman Magguilli, Mrs. Volpe, Mr. Rulison, Mr. Hurlbut, Mr. Nasca, Mr. Bernstein and Ms. Bleier-Mervis. All present.
- **October 13, 2016 Regular Board Meeting**
Six (6) Members were in attendance: Chairman Magguilli, Mrs. Volpe, Mr. Rulison, Mr. Nasca, Mr. Bernstein and Ms. Bleier-Mervis. Member(s) absent, One (1): Mr. Hurlbut.
- **November 10, 2016 Regular Board Meeting**
Five (5) Members were in attendance: Chairman Magguilli, Mrs. Volpe, Mr. Nasca, Mr. Hurlbut and Ms. Bleier-Mervis. Member(s) absent, Two (2): Mr. Rulison and Mr. Bernstein.
- **December 8, 2016 Regular Board Meeting**
Seven (7) Members were in attendance: Chairman Magguilli, Mrs. Volpe, Mr. Rulison, Ms. Bleier-Mervis, Mr. Bernstein, Mr. Nasca and Mr. Hurlbut. All present.

Summary Results of Confidential Evaluation of Board Performance – year-ending 2016

Criteria	Agree	Somewhat Agree	Somewhat Disagree	Disagree
	#	#	#	#
Board members have a shared understanding of the mission and purpose of the Authority.	7			
The policies, practices and decisions of the Board are always consistent with this mission.	6	1		
Board members comprehend their role and fiduciary responsibilities and hold themselves and each other to these principles.	7			
The Board has adopted policies, by-laws, and practices for the effective governance, management and operations of the Authority and reviews these annually.	7			
The Board sets clear and measurable performance goals for the Authority that contribute to accomplishing its mission.	7			
The decisions made by Board members are arrived at through independent judgment and deliberation, free of political influence or self-interest.	7			
Individual Board members communicate effectively with executive staff so as to be well informed on the status of all important issues.	7			
Board members are knowledgeable about the Authority's programs, financial statements, reporting requirements, and other transactions.	7			
The Board meets to review and approve all documents and reports prior to public release and is confident that the information being presented is accurate and complete.	7			
The Board knows the statutory obligations of the Authority and if the Authority is in compliance with state law.	7			
Board and committee meetings facilitate open, deliberate and thorough discussion, and the active participation of members.	7			
Board members have sufficient opportunity to research, discuss, question and prepare before decisions are made and votes taken.	7			
Individual Board members feel empowered to delay votes, defer agenda items, or table actions if they feel additional information or discussion is required.	7			
The Board exercises appropriate oversight of the CEO and other executive staff, including setting performance expectations and reviewing performance annually.	7			
The Board has identified the areas of most risk to the Authority and works with management to implement risk mitigation strategies before problems occur.	7			
Board members demonstrate leadership and vision and work respectfully with each other.	7			

Name of Authority: MONROE COUNTY WATER AUTHORITY

Date Completed: March 13, 2017

2016
Monroe County Water Authority
Executive Management Compensation

<u>Employee Name</u>	<u>Title</u>	<u>Annual Salary</u>
Noce, Nicholas	Executive Director	\$ 194,085
Metzger, Richard	Executive Engineer	\$ 186,992
Benshoff, Raymond	Executive Director of Operations	\$ 178,942
Prestidge, Kathleen	Director of Finance/Business Services	\$ 134,534
Savage, Stephen	Civil Engineer/Director of Engineering	\$ 136,753

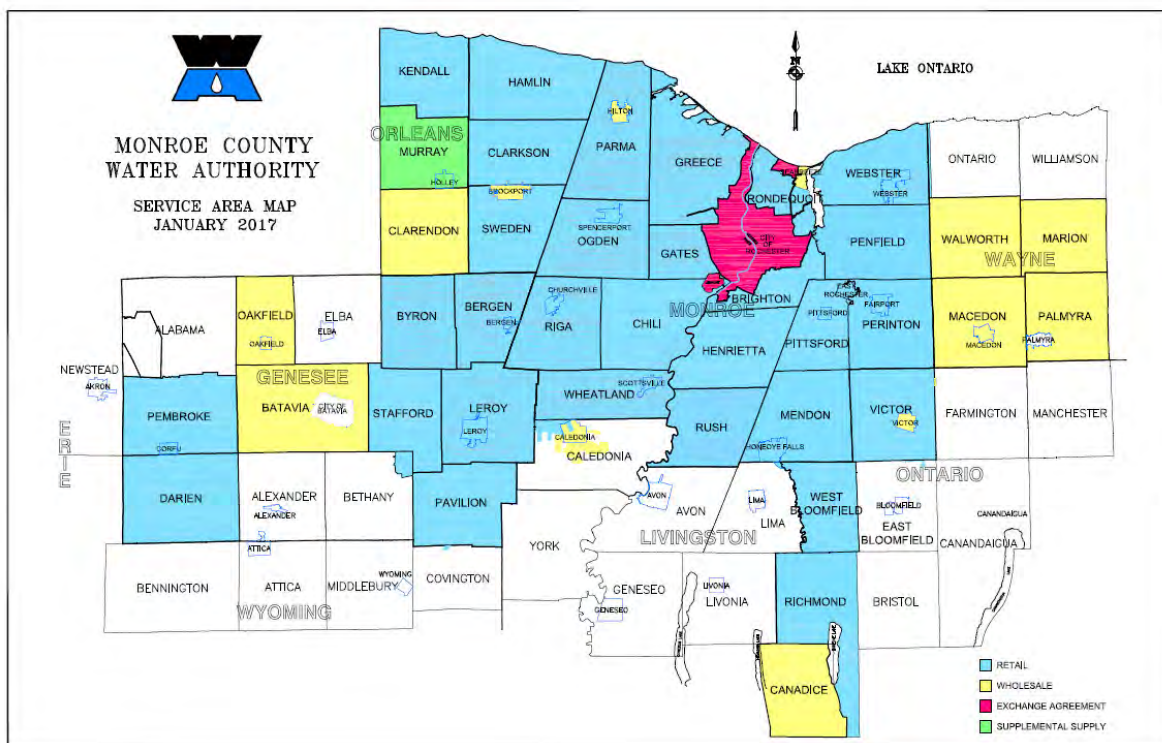
MONROE COUNTY WATER AUTHORITY
Employee Count
For Year Ending December 31, 2016

	FULL TIME	PART TIME	CO-OP, TEMP & SEASONAL	TOTALS
Administration	7	8	0	15
Production & Transmission	43	1	1	45
Engineering	31	2	1	34
Facilities, Fleet & Operations	76	0	0	76
Finance & Business Services	<u>47</u>	<u>1</u>	<u>0</u>	<u>48</u>
TOTAL	204	12	2	218

Operations of the MCWA

Background

The MCWA services Monroe County and portions of each of the five surrounding counties. The Authority's service area includes over 50 towns, villages, cities and other Water Authorities. MCWA presently serves approximately 200,000 separate retail, wholesale and other customer accounts. It also provides the City of Rochester with up to 26 million gallons per day (mgd) for distribution within its retail service area.



The Authority currently sets rates at levels sufficient to pay debt service on outstanding Authority obligations, to pay operating and maintenance expenses, and to make payments to the County under the existing lease and financing agreement between the MCWA and the County.

Water Supply

The Authority's primary source of water is Lake Ontario. The water is treated at the Shoremont Water Treatment Plant (WTP) in the Town of Greece and the 50mgd Webster WTP in the Town of Webster. The Authority's other major source of water consists of water purchases from the City of Rochester pursuant to an existing exchange agreement. This water comes from Hemlock and Canadice Lakes in Livingston County south of Monroe County.

The Authority can also purchase water from the Town of Ontario, Wayne County; the City of Batavia, Genesee County, and the Erie County Water Authority. These sources are minor in relation to the overall water system and are for our convenience or pursuant to terms of agreements when the Authority became the provider of water.

The Authority provides water on a retail or wholesale basis. In retail areas the Authority supplies the water, maintains the distribution system, and bills the customer directly. In wholesale areas a municipality or water district buys some or all of its water from the Authority, but maintains its own distribution and customer billing systems.

Facilities

The Shoremont and Webster Water Treatment Plants employ the direct filtration process using Lake Ontario as their source of supply. The main components of each plant are the raw water intake, pumping and transmission, chemical addition, rapid mixing, contact basins, filtration, residuals disposal, clearwell storage and high lift pumping. The Authority also operates a small well supply to a plant in the Village of Corfu. With the exception of the Corfu plant, the entire water supply receives the same chemical process, coagulation, filtration, carbon absorption and disinfection. The Corfu Water Plant uses carbon absorption, softening and disinfection. Water is pumped from the treatment plants to storage facilities and customers in the water system service area through approximately 3,275 miles of transmission and distribution mains, ranging in diameter from 2" to 60". The water system operates 40 pumping stations to provide the pressure to distribute water to storage facilities and customers. The system includes two reservoirs and 50 other storage facilities with an aggregate capacity of 140 million gallons. All service connections are metered, with the meters owned by the Authority.

As with most other water systems, our water usage also varies year to year depending on weather variations. Hot, dry summers tend to increase water usage, while colder and wetter summers tend to dampen or reduce water usage.

Financial Highlights

MCWA Rates & Charges - The Authority sets its rates annually in concurrence with the adoption of its annual operating budget. The Authority is required by its Trust Indenture dated October 1, 1991 and Supplemental Indentures issued with and specific to each subsequent revenue bond issue (Trust Indentures) to set rates and fees sufficient to cover all its operating and capital expenses. The Authority raised rates in 2016 to achieve the projected revenues to cover total budgeted expenses.

Summary of Operating Revenues

	<u>2016</u>
Water Sales:	
Residential/Quarterly	\$53,741,425
Large Commercial/Monthly	5,901,460
Water Districts/Wholesale	<u>3,205,667</u>
Total Water Sales	\$62,848,552
Other Water and Operating Revenue	<u>4,880,564</u>
Total Operating Revenue	\$67,729,116

Operating Expenses - The Authority's expenses (excluding depreciation and amortization) are budgeted and tracked functionally by operating department. The Authority is functionally divided into: Administration, Production/Transmission, Engineering, Facilities, Fleet & Operations, and Finance & Business Services.

The following is a breakdown of the Authority's functional expenses by operating department (excluding depreciation and amortization):

	<u>2016</u>
FUNCTIONAL EXPENSES:	
Administration	\$ 8,629,242
Production/Transmission	13,101,455
Engineering	3,709,368
Facilities, Fleet & Operations	11,671,464
Finance & Business Services	<u>6,136,247</u>
Total functional expenses	\$43,247,776

Long-Term Debt Administration - The Authority has six water revenue bond series outstanding totaling \$139,005,000 as of December 31, 2016.

Credit Ratings - The Authority is the recipient of very favorable credit ratings from both Moody's and Standard & Poor's. The Authority has an Aa2 rating assigned to its revenue bonds by Moody's Investors Service and an AA+ rating by Standard & Poor's. The Authority's bond ratings were last reviewed by Moody's Investor Service and Standard & Poor's in December of 2012. The Authority issues revenue bonds subject to its Master Trust Indenture dated October 1, 1991 and Supplemental Indentures issued with and specific to each subsequent revenue bond issue.

Monroe County Water Authority
2016 Water System Accomplishments / Projects

Below is a summary of improvements made to the Monroe County Water Authority water system in 2016. This list is inclusive of both completed and ongoing projects.

Water Mains

- Designed, bid and substantially completed the 2016 Structural Lining Program. This project consisted of cleaning and structurally lining approximately 8,825 linear feet of 8-inch cast iron water main and appurtenances. The work took place on Scottsville Road in the Town of Chili, Alleyn's Creek Road in the Towns of Brighton and Pittsford, and Whitney Road in the Town of Perinton. This project also included the cleaning and cement mortar lining of approximately 4,200 linear feet of 6-inch cast iron water main on Woodbine Ave, Brizee Street, and William Street in the Village of East Rochester.
- Completed the construction of the Basket Road water main replacement project. This project consists of the installation of approximately 10,400 linear feet of 8-inch ductile iron water main and appurtenances on Basket Road, from Schlegel Road north to Lake Road in the Town of Webster.
- Designed, bid and substantially completed the construction of the Oatka Aveue and Armstrong Road Water Main Replacement Project in the Town of Wheatland. This project consisted of the installation of approximately 1,640 linear feet of 8-inch water main and 515 linear feet of 12-inch ductile iron water main.
- Designed, bid and substantially completed the Long Pond Road Water Main Replacement Project. This project consists of the installation of approximately 6,000 linear feet of 8-inch ductile iron water main on Long Pond Road in the Town of Greece from the New York State Parkway north to Edgemere Drive.
- Completed the construction of the Kreag Road Canal Crossing Project. The project included the construction of a pipe bridge over the Erie Canal and the installation of about 840 linear feet of 24-inch transmission main from the existing 26-inch Southeast Transmission main across the Erie Canal to the 24-inch suction main for the Kreag Rd pump station between Ayrault Road and Palmyra Road (NYS Route 31F) in the Town of Perinton. The crossing of the canal was originally designed as an underground bored crossing which was changed to an overhead crossing on a pipe bridge due to artesian groundwater conditions that were encountered.
- Design, permitted, and substantially completed the construction of the Plastermill Road pressure reducing valve (PRV) and vault on Plastermill Road in the Town of Victor. This project included the installation of 60 linear feet of 6-inch ductile iron water main, vault, PRV and appurtenances.
- Completed design, permitting and installation of approximately 150 LF of 8-inch PVC water main on Transit Road in the Town of Stafford.

- Designed, permitted and substantially completed the construction of approximately 1,800 linear feet of 6-inch ductile iron water main on West Elm Street in the Village of East Rochester.
- Completed the design and began permitting the Phillips Road Main Replacement. This water main will be bid and constructed as part of a Monroe County Department of Transportation Highway Project in 2018. The project consists of the installation of approximately 9,500 linear feet of 8-inch ductile iron water main and appurtenances to replace the existing cast iron water main from Schlegel Road to Lake Road in the Town of Webster.
- Began the design and permitting of the 2017 Cleaning and Cement Mortar Lining Project. This project will consist of the cleaning and cement mortar lining of approximately 21,600 linear feet of 4-inch, 6-inch, and 8-inch cast iron water main, and the replacement of approximately 800 linear feet of 6-inch water main in the Village of East Rochester.
- Completed the design and began permitting the Calkins Road Main Replacement project. This project will consist of the installation of approximately 5,000 linear feet of 12-inch ductile iron water main and appurtenances on Calkins Road (County Road 39) from Middle Road to Lavender Circle in the Town of Henrietta.
- Designed and permitted the West Elm Main Replacement Project in the Village of East Rochester. This project included the replacement of approximately 1,800 linear feet of 6-inch cast iron water main with 6-inch ductile iron water main.

Water Storage Facilities

- Design, bid, and completed the Hilton Tank Painting Project. This project consisted of the repair and recoating of the interior and exterior of a 0.5 million gallon multi-leg steel elevated water storage tank in the Village of Hilton.
- Design, bid, and completed the 2016 Tank Rehabilitation - Harris Hill Tank Project. This project consisted of the repair and recoating of the interior and exterior of a 1.4 million gallon steel ground water storage tank on Harris Hill in the Town of Penfield.
- Completed the coating and rehabilitation of the 2015 Tank Painting Project. This project consisted of the repair and recoating of the interior and exterior of a 5 million gallon steel stand pipe water storage tank located on Lee Road in the Town of Greece and the 1 million gallon steel stand pipe water storage tank located on West Main Street in the Village of LeRoy.
- Completed the demolition of the Fairport Water Storage Tank. This project included the demolition and site restoration for a 0.8 million gallon water storage tank that is 35 feet in diameter and 110 feet tall on Summit Street in the Village of Fairport.
- Repaired the wall hatchway at Willard Road water storage tank.
- Sealed roof holes, repaired roof vents and replaced a 16-inch interior opening riser hatchway with a 30-inch exterior opening hatchway on South Street tank in the Village of Webster.

- Repaired leaks at the 15 million gallon pre-stressed concrete water storage tank on Harek Road in the Town of Gates. The Harek tank developed leaks at the construction openings in the wall and in the floor to wall water stop membrane. Cracks in construction openings were sealed with injection grout and the water stop was repaired with expanding bentonite foam. Both types of repairs were then top coated with a thick flexible coating.
- Procured a trailer mounted vacuum unit to assist with the cleaning of water storage tanks.
- Performed underwater ROV inspections completed for Denise & Parrish Reservoirs
- Installed upgraded Instrumentation & Control panels at 5 tank sites
- Initiated the demonstration & evaluation of tank mixing equipment at the W. Bloomfield tank
- Cleaned and inspected the following water storage facilities:
 - West Brighton
 - South Avenue
 - Harris Hill
 - Mumford
 - Walker Road
 - Willard Road
 - Buffalo Road
 - Corfu Tank
 - Keith Terrace
 - SWTP North Clearwell
 - SWTP South Clearwell

Water Districts

At the request of Towns in the MCWA service area, we assist with their implementation of water district projects. In 2016 we:

- Completed four projects, involving 86,560 lf of water main serving 469 customers.
 - Shetler Road WD Ext. No. 1 Town of Richmond 36,500 LF
 - Shetler Road WD Ext. No. 2 Town of Richmond 14,860 LF
 - LeRoy WD No. 10 Town of LeRoy 20,100 LF
 - Byron WD No. 6 Town of Byron 15,100 LF
- Provided preliminary assistance with the following proposed Water Districts:
 - Byron WD No. 8 Town of Byron 51,000 LF
 - Byron WD No. 9 Town of Byron 50,000 LF
 - Byron WD No. 10 Town of Byron 51,000 LF
 - Kendall: Norway Rd WD Town of Kendall 7,200 LF
 - Kendall: Creek Rd WD Town of Kendall 12,800 LF

Developer Main Extensions (DME's) and New Services

- **Administered the Developer Main Extension (DME) program:**
 - Generated 26 MEA agreements and received 47 that were executed. Placed 54 projects in service during the 2015/2016 season.

- Processed 67 initial and 56 revised DME application submissions in 2015/2016 (compared to 61 initial submissions in 2015, 50 in 2014, 47 in 2013, 51 in 2012, 38 in 2011, and 55 in 2010). Of the 67 initial reviews 14 were Water Service Installation Agreements.
- Coordinated the creation of 1,779 new 1-inch service accounts. 1,131 were generated by Developer main extensions, 469 by water districts, 38 by secondary source change-overs, and 141 by new construction.

Backflow Prevention Program

- Received annual backflow prevention device tests reports for 9,187 devices compared to 8955 in 2015, 8,466 in 2014.
- Performed 343 site inspections, and reviewed 20 new lawn irrigation applications. Removed backflow tracking on 20 accounts as 2 water driven sump pumps and 18 lawn irrigation systems were abandoned.
- Located 86 undocumented lawn irrigation systems and 75 undocumented water driven sump pumps requiring backflow protection.

Operations Center

- Designed and bid the 2016 Roof Replacements project. This project included the replacement of approximately 4,830 square feet of roof at the Eastside Operations Center over the Dispatch area, the Maintenance Garage, the Construction area, and the roof at the Industrial Pump Station pump station with modified bitumen built-up roofing systems.

Pump Stations

- Designed, bid and began construction of a security fence around the perimeter of the Moseley Road Tank Site and the Future Ayrault Pump Station Site.
- Replaced the Lee Road BPS motor for pump #1 – and converted to 480 VAC.
- Added a new generator at the Lake Road Pump Station.
- Continued the migration of the SCADA control system upgrade to Wonderware to the distribution system pumping and storage facilities.

Treatment Plants

- Completed a system wide cybersecurity vulnerability assessment

Webster Plant

- Designed and constructed a permanent concrete pad for emergency generator.

Shoremont Plant

- Substantially completed the construction of a new electric substation for plant power and appurtenant electrical upgrades.
- Designed, bid and commenced with construction contracts for the replacement of the Granular Activated Carbon (GAC) for Phase 2 of the East Filters.
- Designed and coordinated the relocation of a former cellular communication building from the Harris Hill Tank site to the Shoremont Water Treatment Plant to be used as SO₂ storage building.
- Designed and prepared bid documents for Phase 3 of the substation and electrical facilities upgrades for the Shoremont Water Treatment Plant.

**MONROE COUNTY WATER AUTHORITY
CODE OF ETHICS POLICY
(READOPTED NOVEMBER 2016)**

**ARTICLE 1
PURPOSE**

As a public benefit corporation, the Monroe County Water Authority (the “Authority”) must conduct its operations in a manner that best serves the interests of its customers and the general public. The Authority expects all Members, officers and employees to observe high ethical standards of conduct in the performance of their duties, comply and cause the Authority to comply with all laws and regulations governing business transactions, and use and cause the Authority to use Authority funds and assets only for legal and appropriate public purposes.

This Code of Ethics governs the day-to-day actions of all Members, officers and employees of the Authority. To the extent that a matter falls within the scope of both this policy and the Authority’s Conflicts of Interest Policy or Whistleblower Policy, the provisions of the Conflicts of Interest Policy or the Whistleblower Policy, respectively, shall govern.

**ARTICLE 2
POLICIES**

1. Discharge of Duties

In the course of performing his or her duties, Members, officers and employees shall:

- (a) endeavor to perform the duties of their positions to the best of their ability in furtherance of the Authority’s public purposes;
- (b) uphold high standards of dedicated public service;
- (c) support and encourage fellow employees in the proper execution of their duties; and
- (d) when a question of conduct or regulation occurs, seek the advice of a supervisor, the Authority’s attorneys or the Authority’s independent Ethics Board (formed pursuant to Article 4 hereof).

2. Prohibited Conduct

In the course of performing his or her duties, Members, officers and employees shall not:

- (a) receive any compensation for or have an interest, financial or otherwise, direct or indirect, or incur any obligation that is in substantial conflict with the proper discharge of their duties to the Authority;
- (b) engage in other employment that might impair the independence of their judgment in the execution of their duties with the Authority;

(c) disclose confidential information acquired in the course of official duties nor use such confidential information to further their own personal financial interests;

(d) directly or indirectly solicit or accept any gifts, entertainment, discounts, services, loans or anything of value totaling \$75 or more in any calendar year from any supplier, significant commercial customer, or other persons with whom the Authority does business (gifts of \$75 or more in value must be returned to the donor with the explanation that Authority policy will not permit acceptance of the gift; the Authority will reimburse the employee for the expense of returning gifts); and

(e) engage in conduct prohibited under the Authority's Whistleblower Policy.

3. Specifically Prohibited Actions

Unless otherwise permitted by the Ethics Board, no Member, officer or employee shall engage in the following actions to the extent they create a conflict of interest with the Authority's interest:

(a) receipt by a family member of a Member, officer or employee (family being defined as related by blood or marriage) of gifts or other items described in Section 2(d) of this Article 2;

(b) speculating or dealing in equipment, supplies, or materials normally purchased by the Authority;

(c) borrowing money from the Authority, suppliers, significant commercial customers, individuals or firms with whom the Authority does business (loans or mortgages from banks or individuals doing business with the Authority are exempted if the terms are at current rates and the customary collateral for such transactions is provided);

(d) acquiring an interest in real estate in which it is known that the Authority also has a current or anticipated interest;

(e) misusing information to which the individual has access by reason of his or her position – such as by disclosing confidential information (of a technical, financial or business nature) to others outside or inside the business (whether or not a consideration is received), or using such information for his or her own or family's (as previously defined) benefit;

(f) soliciting funds or other items of value from Authority vendors, suppliers or consultants for oneself or to benefit any other organization, club or person, whether such other persons or entities are charitable, religious or profit-making;

(g) serving as an officer, director or manager with another company or business organization directly or indirectly related to the Authority without specific authorization from the Authority; and

(h) representing current or potential customers to submit applications, plans or other compliance information to the Authority for approval.

The foregoing list does not encompass every situation that may lead to a conflict.

4. Duty to Disclose

Each Member, officer and employee shall have the duty to report to the Ethics Board (as defined below) in writing any violation or possible violation of the terms of this Policy, including without limitation instances of conduct prohibited by this Article 2. The following describes some, but not all, situations that must be disclosed:

(a) engaging in activities as an individual or as the holder of more than a one percent financial interest, directly or indirectly (as an owner, stockholder, securities holder in a publicly owned corporation, partner, joint venturer, creditor, guarantor, director, trustee or beneficiary of a trust), in or with a firm that (i) provides services or supplies materials or equipment to the Authority or (ii) to which the Authority makes sales or provides services;

(b) serving as an employee, owner or consultant of another organization providing goods and/or services to the Authority or one or more of the Authority's significant commercial customers, or functioning individually and providing said services to the Authority or one or more of the Authority's significant commercial customers;

(c) membership on or employment with any entity where such employment, service or membership is incompatible with the proper discharge of official duties, or would impair independent judgment or action in the performance of official duties; and

(d) selling goods, services or other items of value to Authority vendors, suppliers or consultants for oneself or to benefit any other organization, club or person, whether such other persons or entities are charitable, religious or profit-making.

5. Nepotism Policy

(a) Any person living in the same household as a current Member, officer or employee and any person who is a direct descendant of a current Member, officer or employee's grandparents (e.g. siblings, parents, children, nieces, nephews, cousins, etc.) or the spouse of such descendant (individually and collectively, a "Relative") may be considered for a permanent position only if all of the following conditions are met:

- The Relative is an appointment from a Civil Service List.
- There will be no supervisory relationship between the Relative and the current Member, officer or employee.
- The Relative and the current Member, officer or employee will not work in the same department.
- The Executive Director, with the advice of the Department Heads, has approved the hiring of the Relative.

(b) If current Members, officers or employees marry, it may be necessary for the Authority to reassign one or both individuals, particularly in the case of close working, or direct supervisory relationships.

(c) A Relative may be considered for summer or temporary employment only if all of the following conditions are met:

- There will be no supervisory relationship between the Relative and the current Member, officer or employee.
- The Relative and the current Member, officer or employee will not work in the same department.

(d) In no event shall a current Member, officer, or employee participate in any decision to hire, promote, discipline, or discharge a Relative.

ARTICLE 3 DISCLOSURE STATEMENTS

On an annual basis, the Authority shall obtain a completed financial disclosure statement (in the form set forth as Exhibit A attached hereto, a “Disclosure Statement”) from each Member, the Executive Director, the Deputy Executive Director, the Department Heads and any employees with authority to approve purchases of amounts greater than \$1,000.

ARTICLE 4 PROCEDURES

1. Ethics Board

The Authority shall establish an Ethics Board comprised of three persons not employed by the Authority. The Members of the Authority shall appoint the members of the Ethics Board on an annual basis. The Ethics Board shall interpret and make recommendations to the Authority regarding any question under or purported violation of this Policy and any statutory enacted ethics standards affecting Members, officers and employees.

Annually, the Ethics Board shall review the completed Disclosure Statements to identify businesses with direct or indirect ties to Members; officers and/or employees of the Authority. The Ethics Board shall determine whether any of these relationships warrant placing the business on a list of businesses that the Authority will not hire (the “Prohibited Contractors List”). In making its determination, the Ethics Board shall assess the nature of the relationship between a Member, officer or employee and an outside business. The Prohibited Contractors List shall include only those businesses where the relationship could lead to ethics problems (e.g., if a relative owns a business that could supply goods or services to the Authority). In contrast, the Prohibited Contractors List shall not include businesses where the potential for ethics problems is minimal (e.g., where a relative is a clerical, ministerial or low-level management employee at an existing or potential vendor, lacks the power to influence the relationship between the business and the Authority and did not obtain his or her position as a means to influence a Member, officer or employee of the Authority).

2. Powers of Ethics Board

At its discretion, the Ethics Board may recommend to the Authority appropriate disciplinary action, which may include, but is not limited to, a reprimand, suspension or termination of employment. Any such recommendation will only be final after any hearing required by Section 75 of the Civil Service Law or any applicable Collective Bargaining Agreement.

ARTICLE 5
ONE-YEAR MORATORIUM

No person who has served as a Member or officer of the Authority shall within a period of one year after the termination of such service or employment render services before the Authority or receive compensation for any such services rendered on behalf of any person, firm, corporation or association in relation to any case or transaction with respect to which such person was directly concerned, or participated in, during the period of his or her service with the Authority.

Notwithstanding the foregoing, the one-year moratorium shall not apply to (i) normal business issues arising as a result of the person's status as a water customer of the Authority and (ii) professional services provided by such person pursuant to a written agreement with the Authority, to the extent such agreement is otherwise consistent with this Code of Ethics.

ARTICLE 6
DISTRIBUTION OF THIS POLICY

This Code of Ethics shall be distributed to each Member, officer and employee of the Authority annually. It shall also be distributed to each new Member, officer and employee as soon as practicable following commencement of such position.

MONROE COUNTY WATER AUTHORITY

ANNUAL STATEMENT OF FINANCIAL DISCLOSURE FOR 2016

FULL NAME: _____

TITLE: _____

HOME ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

EMAIL: _____ PHONE NO.: _____

I. DEFINITIONS

As used in this form, the term “family member” means your spouse, child, step-child, brother, sister, parent, step-parent or any person you claimed as a dependent on your most recent income tax return.

II. PUBLIC OFFICE

1. Do you currently hold any elected position with any State, City, County, Town or Village?

Yes: _____ No: _____

If Yes, title of office: _____

2. Do any of your family members currently hold any elected position with any State, City, County, Town or Village?

Yes: _____ No: _____

If Yes, name of family member and title of office:

Name: _____ Title of Office: _____

III. NOT-FOR-PROFIT ORGANIZATIONS

1. Do you currently hold any appointed or elected position with a not-for-profit organization?

Yes: _____ No: _____

If Yes, title of office and name of organization:

2. Do any of your family members currently hold any appointed or elected position with a not-for-profit organization?

Yes: _____ No: _____

If Yes, name of family member, title of office and name of organization:

IV. EMPLOYERS AND BUSINESSES

For you and all family members (regardless of location), please list all employers and businesses, other than the Water Authority, (i) that paid more than \$1,000 for services performed, goods sold or service as a member, director officer or employee during the prior year or (ii) in which you or a family member own at least 5% or \$5,000 (not including ownership of publicly traded stock such as in a mutual fund).

NAME (FOR A FAMILY MEMBER, LIST RELATIONSHIP TO YOU)	BUSINESS	TITLE	NATURE/TYPE OF BUSINESS

V. REAL ESTATE

For you and all family members, please list the address of each parcel of owned real property within the Water Authority's service area other than a primary residence. For commercial real estate, please note the nature of the investment.

NAME OF FAMILY MEMBER AND RELATIONSHIP TO YOU	ADDRESS OF REAL PROPERTY (ADDRESS, CITY, STATE, ZIP CODE)	NATURE OF INVESTMENT

VI. GIFTS

The Water Authority's Code of Ethics Policy prohibits the receipt from suppliers, significant commercial customers and other persons with whom the Water Authority does business (other than persons acting solely as residential customers of the Water Authority) of certain gifts, entertainment, discounts, services, loans or anything of value that collectively exceed \$74.99 in a calendar year from any one source. By signing this form, you represent that you have not received, directly or indirectly, any gifts of greater than \$74.99 received during the prior year from the sources listed above.

VII. UPDATES

If any of your answers change after completing this form but prior to the next annual update, you must send the revised information to the Authority's Director of Personnel in a sealed envelope marked "confidential."

VIII. LIABILITY FOR IMPROPER DISCLOSURE

Any statements made in this disclosure form must be accurate and must not omit relevant information. In the event of a material misstatement or a material omission, you could face civil or criminal penalties under applicable laws and discipline under the Water Authority's Code of Ethics.

(signature)

NAME OF EMPLOYEE: _____

DATE: _____, 20____

MONROE COUNTY WATER AUTHORITY
BOND RATINGS

RATING AGENCY	PREVIOUS BOND RATING	CURRENT BOND RATING	ISSUING DATE OF LATEST RATING
MOODY'S INVESTORS SERVICE	Aa2	Aa2	DECEMBER 5,2012
STANDARD & POOR'S	AA+	AA+	DECEMBER 6, 2012

MCWA Grants and Subsidy Programs

MCWA does not offer, or administer, any grant or subsidy programs.

MCWA received no new grants in 2016. MCWA did receive payments in 2016 under a Rebate Program for the following project:

Project	Grantor	Program
Led Energy Efficiency	Rochester, Gas & Electric	Commercial and Industrial Rebate Program

Budget Report for Monroe County Water Authority
Run Date: 03/08/2017
Fiscal Year Ending 12/31/2017
Status: CERTIFIED

Budget & Financial Plan:	Budgeted Revenues, Expenditures, And Changes In Current Net Assets					
	Last Year (Actual) 2015	Current Year (Estimated) 2016	Next Year (Adopted) 2017	Proposed 2018	Proposed 2019	Proposed 2020
REVENUE & FINANCIAL SOURCES						
Operating Revenues						
Charges for services	\$61,241,149	\$67,938,420	\$65,919,110	\$68,178,612	\$70,488,231	\$72,869,479
Rentals & Financing Income	\$0	\$0	\$0	\$0	\$0	\$0
Other Operating Revenues	\$740,884	\$1,722,032	\$1,475,600	\$1,565,000	\$1,565,000	\$1,565,000
Nonoperating Revenues						
Investment earnings	\$98,094	\$144,895	\$30,000	\$30,000	\$30,000	\$30,000
State subsidies / grants	\$0	\$0	\$0	\$0	\$0	\$0
Federal subsidies / grants	\$1,851,784	\$1,865,136	\$1,802,710	\$1,864,800	\$1,831,120	\$1,794,950
Municipal subsidies / grants	\$0	\$0	\$0	\$0	\$0	\$0
Public authority subsidies	\$0	\$0	\$0	\$0	\$0	\$0
Other Non-Operating Revenues	\$17,847	\$0	\$0	\$0	\$0	\$0
Proceeds from the issuance of debt	\$0	\$0	\$0	\$0	\$0	\$0
Total Revenues & Financing Sources	\$63,949,758	\$71,670,483	\$69,227,420	\$71,638,412	\$73,914,351	\$76,259,429
EXPENDITURES						
Operating Expenditures						
Salaries and Wages	\$13,617,654	\$13,212,980	\$15,614,570	\$15,926,861	\$16,245,399	\$16,570,307
Other Employee Benefits	\$8,059,637	\$8,011,103	\$8,677,350	\$9,024,444	\$9,385,422	\$9,760,839
Professional Services Contracts	\$3,456,442	\$3,551,863	\$3,295,360	\$3,361,267	\$3,428,493	\$3,497,062
Supplies and Materials	\$4,317,284	\$4,192,756	\$5,176,285	\$5,331,574	\$5,491,521	\$5,656,266
Other Operating Expenditures	\$30,118,500	\$28,103,773	\$14,315,560	\$14,601,871	\$14,893,909	\$15,191,787
Nonoperating Expenditures						
Payment of principal on bonds and financing arrangements	\$19,910,214	\$3,925,337	\$4,063,783	\$4,687,240	\$5,190,696	\$3,925,000
Interest and other financing charges	\$7,610,335	\$7,531,251	\$7,384,847	\$7,246,754	\$7,068,282	\$6,866,544
Subsidies to other public authorities	\$0	\$0	\$0	\$0	\$0	\$0
Capital asset outlay	\$18,733,007	\$13,808,826	\$10,710,400	\$14,258,200	\$17,781,300	\$21,822,600
Grants and Donations	\$0	\$0	\$0	\$0	\$0	\$0
Other Non-Operating Expenditures	\$200,389	\$100,000	\$0	\$0	\$0	\$0
Total Expenditures	\$106,023,462	\$82,437,889	\$69,238,155	\$74,438,211	\$79,485,022	\$83,290,405
Capital Contributions	\$3,785,445	\$3,900,000	\$0	\$3,500,000	\$3,500,000	\$3,500,000
Excess (deficiency) of revenues and capital contributions over expenditures	(\$38,288,259)	(\$6,867,406)	(\$10,735)	\$700,201	(\$2,070,671)	(\$3,530,976)

 The authority's budget, as presented to the Board of Directors, is posted on the following website: <http://mcwa.com/Governance/AnnualBudgetReport.aspx>

TOTALS - 2017 CAPITAL PROJECT BUDGET

	Budget 2016	2017	2018	2019	2020	2021	2022
<u>Renewal & Replacement</u>							
Security	-	221,000	100,000	100,000	100,000	100,000	100,000
Production/Transmission	1,150,000	3,100,000	520,000	2,400,000	3,270,000	1,200,000	1,420,000
Engineering	7,400,000	6,840,000	8,790,000	6,550,000	7,290,000	7,350,000	7,050,000
Facilities, Fleet & Operations	1,062,500	1,525,400	1,828,200	1,741,300	1,987,600	1,608,300	1,984,500
Finance & Business Services	2,171,000	2,724,000	2,380,000	2,390,000	2,620,000	2,459,000	2,415,000
	11,783,500	14,410,400	13,618,200	13,181,300	15,267,600	12,717,300	12,969,500
Less Funding from New Construction Fund	(3,000,000)	(3,000,000)					
Less Funding from R&R Fund Balance	-	(700,000)					
	8,783,500	10,710,400	13,618,200	13,181,300	15,267,600	12,717,300	12,969,500
<u>Capital Improvement</u>							
Security	-	-	132,000	80,000	55,000	75,000	60,000
Production/Transmission	225,000	75,000	100,000	100,000	100,000	100,000	100,000
Engineering	850,000	50,000	400,000	4,420,000	6,400,000	3,150,000	400,000
Facilities, Fleet & Operations	45,000	10,000	-	-	-	-	-
Finance & Business Services	-	102,000	8,000	-	-	20,000	20,000
	1,120,000	237,000	640,000	4,600,000	6,555,000	3,345,000	580,000
Less Funding from CI Fund Balance	(1,120,000)	(237,000)					
	-	-	640,000	4,600,000	6,555,000	3,345,000	580,000
<u>Total Cash Capital</u>	8,783,500	10,710,400	14,258,200	17,781,300	21,822,600	16,062,300	13,549,500
Subordinated Indebtedness(County Lease)	619,700	585,973	341,449	340,617	-	-	-
Water Revenue Debt Service (net of subsidies)	9,034,180	9,059,947	9,789,836	10,148,213	9,056,365	9,055,380	9,061,640
<u>Total Debt Service</u>	9,653,880	9,645,920	10,131,285	10,488,830	9,056,365	9,055,380	9,061,640
<u>Total Capital Expenditures</u>	18,437,380	20,356,320	24,389,485	28,270,130	30,878,965	25,117,680	22,611,140

**Monroe County Water Authority
2017 B U D G E T**

Date : 10/13/16

MCWA

TOTALS

Acct	Account Title	2017 Budget Submission	2016 Budget	%	Change	2016 To Date As of 09/30	2015 Actual
01	WAGES - Regular Labor	16230830	15541290	4	689540	10329445	14025302
02	WAGES - OT Labor	777240	658710	18	118530	501263	795247
03	WAGES - Temporary Help	0	0	0	0	4680	15794
	*** GROSS LABOR ***	17008070	16200000	5	808070	10835388	14836343
05	LABOR TRANSFER OUT TO OTHER CC	-845000	-886500	-5	41500	-761196	-1085331
06	LABOR TRANSFER OUT TO CONSTR	-1393500	-1318520	6	-74980	-927226	-1218703
07	LABOR TRANSFER IN FRM OTHER CC	845000	886500	-5	-41500	762746	1085331
	*** NET LABOR ***	15614570	14881480	5	733090	9909712	13617640
10	FRINGE BENEFITS	9694600	10205990	-5	-511390	6467674	8660823
11	FRINGE TRANSFER OUT TO OTHR CC	-481650	-558500	-14	76850	-480524	-651525
12	FRINGE TRANSFER OUT TO CONSTR	-1017260	-1041630	-2	24370	-732535	-914636
13	FRINGE TRANSFER IN FRM OTHR CC	481660	558500	-14	-76840	480522	651524
	*** NET FRINGE BENEFITS ***	8677350	9164360	1	-487010	5735137	7746186
	*** TOTAL LABOR ***	24291920	24045840	1	246080	15644849	21363826
19	RETIREE BENEFITS	4590700	4788000	-4	-197300	1242238	4590697
20	COBRA DENTAL	1980	1980	0	0	225	1049
21	LEGAL SERVICES	510000	510000	0	0	241764	331323
22	CONSULTANTS	702040	901580	-22	-199540	490509	681254
23	MEDICAL SERVICES	33400	31375	6	2025	14616	20748
24	AUDIT, ACCOUNTING SERVICES	95500	77000	24	18500	58500	83000
25	SAFETY SERVICES	109590	109440	0	150	37036	48926
26	SOFTWARE, LICENSES, FEES	150100	146500	2	3600	19484	105083
27	BANK SERVICES	176400	206400	-15	-30000	97507	178267
28	OTHER OUTSIDE SERVICES	1765570	2533515	-30	-767945	1736576	2145282
29	TRUSTEE SERVICES	12450	12630	-1	-180	7755	16555
30	FILTER MEDIA	6000	6000	0	0	0	0
31	SUPPLIES, FORMS, & COPYING	382385	363760	5	18625	157242	280095
32	SMALL EQUIPMENT & TOOL PURCHASE	317820	314340	1	3480	125362	265457
33	POSTAGE & FREIGHT	561605	566585	-1	-4980	383217	541650
34	CHEMICALS	708640	741720	-4	-33080	457037	544385
35	UNIFORMS	40060	37860	6	2200	13733	22821
36	SAFETY EQUIPMENT	117140	115140	2	2000	29174	49900
37	PURCHASED WATER	1485000	1485000	0	0	1226338	1276415
39	LANDSCAPING/ROW CLEARING	30000	30000	0	0	10358	11565
40	CLAIMS MATERIALS/SERVICES	2800	2800	0	0	0	49
41	REPAIR MATERIALS - MAINS	1360240	1310640	4	49600	715537	1215015
42	MAINTENANCE CONTRACTS	2743165	2705710	1	37455	1362729	3907682
43	OUTSIDE REPAIRS/MAINT SERVICES	365220	364220	0	1000	165032	369539
44	REPAIRS/MAINTENANCE MATERIALS	45000	45000	0	0	22174	51934

**Monroe County Water Authority
2017 B U D G E T**

Date : 10/13/16

MCWA

TOTALS

Acct	Account Title	2017 Budget Submission	2016 Budget	%	Change	2016 To Date As of 09/30	2015 Actual
45	REPAIRS/MAINTENANCE MATERIALS	85200	85200	0	0	89185	62504
46	REPAIRS/MAINT MATRL-CURB BOXES	61200	61200	0	0	35377	49380
48	REPAIRS/MAINT - VALVES & BOXES	88800	88800	0	0	52695	70016
49	EXTRAORDINARY MAINTENANCE	175000	175000	0	0	84454	134423
51	TELEPHONE VOICE LINES	94800	87920	8	6880	60587	79898
52	DATA LINES	157560	149280	6	8280	128155	108708
53	LIGHT, HEAT, WATER & DISPOSAL	401000	439860	-9	-38860	171796	255943
54	INSURANCE	394800	394000	0	800	281305	344281
55	POWER FOR PRODUCTION & DISTRIB.	4170000	4297000	-3	-127000	2268752	3052711
60	PENSION EXPENSE	0	0	0	0	0	-788998
61	TRAINING & SEMINARS	124325	116395	7	7930	41935	82130
63	DUES & SUBSCRIPTIONS	87465	86275	1	1190	63228	66224
70	VEHICLE REPAIR/REPLCMNT PARTS	172000	172000	0	0	91099	155870
71	VEHICLE REPAIR MATERIALS	48000	48000	0	0	27381	30728
72	VEHICLE MAINTENANCE SUPPLIES	48000	44960	7	3040	28841	46792
73	GASOLINE & DIESEL	400000	600000	-33	-200000	207998	384663
79	VEHICLE CREDIT	-192000	-192000	0	0	-134636	-188794
85	INVENTORY / ADJUSTMENTS	0	0	0	0	1428	8694
88	DISTRICT LEASE EXPENSES	49240	49490	-1	-250	8371	50438
92	CLAIMS EXPENSE	30000	30000	0	0	17120	34727
93	UNCOLLECTABLE ACCOUNTS	25200	24000	5	1200	-9679	27153
94	EFC BOND ADMIN FEE	17440	18260	-4	-820	18253	18766
97	RIGHT OF WAY CHARGES	29760	29630	0	130	21679	30072
98	SPECIAL FEES & ASSESSMENTS	232845	231020	1	1825	224399	230854
99	MISCELLANEOUS	30765	29320	5	1445	13003	15685
*** OTHER O&M EXPENSES ***		23044205	24472805	-6	-1428600	12406869	21101559
*** NET O&M EXPENSES ***		47336125	48518645	-2	-1182520	28051718	42465385

Monroe County Water Authority
Statement of Revenues

PC as of DEC 31 2016

	Actual	Budget	Variance Favor. (Unfav.)
Operating Revenues:			
Water Sales - Residential	\$ 53,741,426	\$ 52,788,520	\$ 952,906
Water Sales - Industrial/Commercial	5,901,461	5,497,550	403,911
Water Sales - Water Districts	3,205,666	2,797,610	408,056
Other Water Revenue	4,258,737	3,866,920	391,817
Other Operating Revenue	621,824	477,000	144,824
	<u>\$ 67,729,114</u>	<u>\$ 65,427,600</u>	<u>\$ 2,301,514</u>
Operating Expenses:			
Administration	9,834,791	9,330,170	(504,621)
Production	12,528,283	15,014,225	2,485,942
Engineering Design & Construction	3,471,337	3,927,875	456,538
Facilities, Fleet & Operations	11,087,904	13,368,320	2,280,416
Business Services	5,775,358	6,878,055	1,102,697
	<u>\$ 42,697,673</u>	<u>\$ 48,518,645</u>	<u>\$ 5,820,972</u>
Other Expenses	550,098	550,098	0
	<u>\$ 24,481,343</u>	<u>\$ 16,358,857</u>	<u>\$ 8,122,486</u>
NET REVENUES FOR DEBT SERVICE			
Deduct:			
Interest Expense on Water Revenue Bonds	7,441,831	7,441,833	2
Interest Expense on County Lease - Net	67,184	67,184	0
Bond Exp & Def Amt of Refund	21,204	21,206	2
Depreciation and Amortization	17,726,862	17,632,242	(94,620)
	<u>\$ 25,257,081</u>	<u>\$ 25,162,465</u>	<u>(\$ 94,616)</u>
REVENUES (LOSS) FROM OPERATIONS	(\$ 775,738)	(\$ 8,803,608)	\$ 8,027,870
Add (Deduct):			
Interest on Investments-Local	43,394	30,000	13,394
Interest on Investments-Trustee	102,293	48,000	54,293
Gain (Loss) on Disposal of Assets	(479,254)	0	(479,254)
Other Non-Operating Income	6,644,858	2,162,715	4,482,143
Extraordinary Expense	0	0	0
Unrealized Gain (Loss) on Investment	18,859	0	18,859
Realized Gain (Loss) on Investment	0	0	0
	<u>\$ 6,330,150</u>	<u>\$ 2,240,715</u>	<u>\$ 4,089,435</u>
REVENUES (LOSS) IN FACILITIES YTD	<u>\$ 5,554,412</u>	<u>(\$ 6,562,893)</u>	<u>\$ 12,117,305</u>

WATER REVENUE BONDS DEBT SERVICE REQUIREMENT TO MATURITY

As of December 31, 2016

2007 Series*			2010 Series		2010 A Series		2010 B Series		2012 Series		2013 Series		Total
Year	Interest	Maturity	Interest	Maturity	Interest	Maturity	Interest	Maturity	Interest	Maturity	Interest	Maturity	
2017	\$ 477,256	\$ 575,000	\$ 346,385	\$ 1,055,000	\$ 50,000	\$ 1,250,000	\$ 5,722,886	\$ -	\$ 255,988	\$ 175,000	\$ 480,140	\$ 475,000	\$ 10,862,655
2018	475,136	585,000	293,635	830,000			5,722,886	2,300,000	248,988	180,000	476,900	480,000	11,592,545
2019	472,073	595,000	252,135	1,230,000			5,619,524	2,365,000	241,787	190,000	472,842	480,000	11,918,361
2020	465,034	600,000	190,635	205,000			5,508,512	2,440,000	234,187	195,000	468,176	485,000	10,791,544
2021	459,233	610,000	180,385	215,000			5,389,100	2,515,000	226,388	205,000	462,838	490,000	10,752,944
2022	457,076	615,000	172,860	225,000			5,260,988	2,600,000	216,138	215,000	456,786	500,000	10,718,848
2023	449,817	625,000	164,985	230,000			5,107,738	2,700,000	205,388	225,000	449,978	505,000	10,662,906
2024	443,663	635,000	156,475	240,000			4,948,600	2,805,000	194,138	235,000	442,778	515,000	10,615,654
2025	404,568	670,000	147,475	250,000			4,783,274	2,910,000	182,388	250,000	434,766	520,000	10,552,471
2026	370,614	700,000	137,788	260,000			4,611,758	3,020,000	169,888	260,000	426,612	530,000	10,486,660
2027	336,896	725,000	126,738	270,000			4,422,736	3,145,000	156,888	275,000	418,116	540,000	10,416,374
2028	353,049	765,000	115,263	280,000			4,225,892	3,270,000	143,138	290,000	409,196	550,000	10,401,538
2029	262,310	800,000	103,363	290,000			4,021,222	3,405,000	133,712	300,000	399,972	560,000	10,275,579
2030	232,017	835,000	91,038	305,000			3,808,102	3,545,000	123,962	305,000	390,392	565,000	10,200,511
2031	185,336	880,000	78,075	320,000			3,586,222	3,690,000	114,050	315,000	380,826	580,000	10,129,509
2032	148,656	925,000	63,675	330,000			3,352,312	3,840,000	103,812	325,000	370,878	590,000	10,049,333
2033	104,466	960,000	48,825	345,000			3,108,898	4,000,000	93,250	340,000	360,820	615,000	9,976,259
2034	58,483	1,015,000	33,300	360,000			2,855,334	4,165,000	76,250	355,000	332,450	650,000	9,900,817
2035	15,561	1,060,000	17,100	380,000			2,591,316	4,335,000	58,500	370,000	302,466	680,000	9,809,943
2036		1,115,000					2,316,520	4,515,000	40,000	390,000	271,098	715,000	9,362,618
2037							2,024,896	4,705,000	20,500	410,000	238,116	750,000	8,148,512
2038							1,721,000	4,900,000			203,518	785,000	7,609,518
2039							1,404,512	5,105,000			167,306	825,000	7,501,818
2040							1,074,776	5,320,000			128,588	865,000	7,388,364
2041							731,160	5,545,000			87,994	915,000	7,279,154
2042							373,010	5,775,000			45,054	960,000	7,153,064
	\$ 6,171,244	\$ 15,290,000	\$ 2,720,133	\$ 7,620,000	\$ 50,000	\$ 1,250,000	\$ 94,293,174	\$ 92,915,000	\$ 3,239,340	\$ 5,805,000	\$ 9,078,606	\$ 16,125,000	\$ 254,557,497

Principal Due as of 12/31/16 \$ 139,005,000

Interest Due as of 12/31/16 \$ 115,552,497

MONROE COUNTY WATER AUTHORITY OBLIGATIONS UNDER CAPITAL LEASE

As of December 31, 2016

MC 1996 Series A Refunding			MC 2008 Series C Refunding		Total
Year	Interest	Maturity	Interest	Maturity	
2017	\$ 47,390	\$ 293,783	\$ 4,800	\$ 240,000	585,973
2018	29,209	312,240			341,449
2019	9,921	330,696			340,617
	\$ 86,520	\$ 936,719	\$ 4,800	\$ 240,000	\$ 1,268,039

Principal Due as of 12/31/16 \$ 1,176,719

Interest Due as of 12/31/16 \$ 91,320

Total Water Revenue Bonds & Capital Lease
Due as of 12/31/16 \$ 255,825,536

MONROE COUNTY WATER AUTHORITY
 SERIES 1993 WATER SYSTEM REVENUE REFUNDING BONDS
 SERIES B -- REFUNDING OF 1991 SERIES B

AG Edwards & Sons, Inc.
 INVESTMENT BANKING

 DEBT SERVICE SCHEDULE

DATE	PRINCIPAL	COUPON	INTEREST	PERIOD TOTAL	FISCAL TOTAL
2/ 1/94			207,408.93	207,408.93	
8/ 1/94	40,000.00	2.800000	224,901.25	264,901.25	472,310.18
2/ 1/95			224,341.25	224,341.25	
8/ 1/95	40,000.00	3.300000	224,341.25	264,341.25	488,682.50
2/ 1/96			223,681.25	223,681.25	
8/ 1/96	45,000.00	3.550000	223,681.25	268,681.25	492,362.50
2/ 1/97			222,882.50	222,882.50	
8/ 1/97	45,000.00	3.800000	222,882.50	267,882.50	490,765.00
2/ 1/98			222,027.50	222,027.50	
8/ 1/98	45,000.00	4.000000	222,027.50	267,027.50	489,055.00
2/ 1/99			221,127.50	221,127.50	
8/ 1/99	50,000.00	4.100000	221,127.50	271,127.50	492,255.00
2/ 1/ 0			220,102.50	220,102.50	
8/ 1/ 0	50,000.00	4.300000	220,102.50	270,102.50	490,205.00
2/ 1/ 1			219,027.50	219,027.50	
8/ 1/ 1	55,000.00	4.400000	219,027.50	274,027.50	493,055.00
2/ 1/ 2			217,817.50	217,817.50	
8/ 1/ 2	55,000.00	4.500000	217,817.50	272,817.50	490,635.00
2/ 1/ 3			216,580.00	216,580.00	
8/ 1/ 3	435,000.00	4.600000	216,580.00	651,580.00	868,160.00
2/ 1/ 4			206,575.00	206,575.00	
8/ 1/ 4	450,000.00	4.700000	206,575.00	656,575.00	863,150.00
2/ 1/ 5			196,000.00	196,000.00	
8/ 1/ 5	470,000.00	4.800000	196,000.00	666,000.00	862,000.00
2/ 1/ 6			184,720.00	184,720.00	
8/ 1/ 6	500,000.00	4.900000	184,720.00	684,720.00	869,440.00
2/ 1/ 7			172,470.00	172,470.00	
8/ 1/ 7	520,000.00	4.950000	172,470.00	692,470.00	864,940.00
2/ 1/ 8			159,600.00	159,600.00	
8/ 1/ 8	545,000.00	5.250000	159,600.00	704,600.00	864,200.00
2/ 1/ 9			145,293.75	145,293.75	
8/ 1/ 9	575,000.00	5.250000	145,293.75	720,293.75	865,587.50
2/ 1/10			130,200.00	130,200.00	
8/ 1/10	605,000.00	5.250000	130,200.00	735,200.00	865,400.00
2/ 1/11			114,318.75	114,318.75	
8/ 1/11	635,000.00	5.250000	114,318.75	749,318.75	863,637.50
2/ 1/12			97,650.00	97,650.00	
8/ 1/12	670,000.00	5.250000	97,650.00	767,650.00	865,300.00
2/ 1/13			80,062.50	80,062.50	
8/ 1/13	705,000.00	5.250000	80,062.50	785,062.50	865,125.00
2/ 1/14			61,556.25	61,556.25	
8/ 1/14	740,000.00	5.250000	61,556.25	801,556.25	863,112.50
2/ 1/15			42,131.25	42,131.25	
8/ 1/15	780,000.00	5.250000	42,131.25	822,131.25	864,262.50
2/ 1/16			21,656.25	21,656.25	
8/ 1/16	825,000.00	5.250000	21,656.25	846,656.25	868,312.50

PREPARED BY: A.G. Edwards & Sons, Inc.

RUNDATE: 08-18-1993 @ 12:02:55 FILENAME: MC KEY: 93R

ALL BOND FINANCED

NYS Environmental Facilities Corporation Series 2015D
Monroe County Water Authority 16511 (2007D)
Loan ID 4775

Date	Principal	Coupon	Interest	Less: Subsidy (1)	Less: Refunding Benefit (2)	Net Debt Service
09/01/2015	565,000.00	4.082%	379,198.18	90,896.00	60,609.57	792,692.61
03/01/2016			367,666.53	81,937.50	25,481.83	260,247.20
09/01/2016	570,000.00	4.132%	367,666.53	81,937.50	61,070.12	794,658.91
03/01/2017			355,890.33	72,724.08	22,269.16	260,897.09
09/01/2017	575,000.00	4.182%	355,890.33	72,724.08	66,807.62	791,358.63
03/01/2018			343,867.08	63,255.75	21,515.70	259,095.63
09/01/2018	585,000.00	4.277%	343,867.08	63,255.75	64,570.85	801,040.48
03/01/2019			331,356.85	53,496.08	21,168.15	256,692.62
09/01/2019	595,000.00	4.382%	331,356.85	53,496.08	62,480.85	810,379.92
03/01/2020			318,320.40	43,445.08	20,855.31	254,020.01
09/01/2020	600,000.00	4.390%	318,320.40	43,445.08	63,861.80	811,013.52
03/01/2021			305,150.40	33,102.75	19,217.04	252,830.61
09/01/2021	610,000.00	4.501%	305,150.40	33,102.75	65,645.16	816,402.49
03/01/2022			291,422.35	22,432.67	17,554.61	251,435.07
09/01/2022	615,000.00	4.546%	291,422.35	22,432.67	63,348.93	820,640.75
03/01/2023			277,443.40	11,398.42	17,117.33	248,927.65
09/01/2023	625,000.00	4.587%	277,443.40	11,398.42	65,155.86	825,889.12
03/01/2024			263,109.03		15,494.05	247,614.98
09/01/2024	635,000.00	4.623%	263,109.03		67,060.66	831,048.37
03/01/2025			248,431.00		14,974.45	233,456.55
09/01/2025	670,000.00	4.684%	248,431.00		77,319.09	841,111.91
03/01/2026			232,739.60		17,774.15	214,965.45
09/01/2026	700,000.00	4.684%	232,739.60		77,090.84	855,648.76
03/01/2027			216,345.60		14,907.56	201,438.04
09/01/2027	725,000.00	4.684%	216,345.60		80,886.71	860,458.89
03/01/2028			199,366.10		13,210.58	186,155.52
09/01/2028	765,000.00	4.754%	199,366.10		32,472.67	931,893.43
03/01/2029			181,182.05		67,472.67	113,709.38
09/01/2029	800,000.00	4.754%	181,182.05		32,581.67	948,600.38
03/01/2030			162,166.05		67,581.67	94,584.38
09/01/2030	835,000.00	4.754%	162,166.05		24,733.72	972,432.33
03/01/2031			142,318.10		74,733.72	67,584.38
09/01/2031	880,000.00	4.754%	142,318.10		24,566.12	997,751.98
03/01/2032			121,400.50		69,566.12	51,834.38
09/01/2032	925,000.00	4.754%	121,400.50		24,578.87	1,021,821.63
03/01/2033			99,413.25		74,578.87	24,834.38
09/01/2033	960,000.00	4.791%	99,413.25		19,782.07	1,039,631.18
03/01/2034			76,416.45		76,416.45	
09/01/2034	1,015,000.00	4.791%	76,416.45		17,933.37	1,073,483.08
03/01/2035			52,102.13		52,102.13	
09/01/2035	1,060,000.00	4.791%	52,102.13		36,541.07	1,075,561.06
03/01/2036			26,709.83		26,709.83	
09/01/2036	1,115,000.00	4.791%	26,709.83		26,709.83	1,115,000.00
09/02/2036					25,655.79	-25,655.79
	16,425,000.00		9,604,832.24	854,480.66	1,892,164.62	23,283,186.96

Notes:

(1) Application of Subsidy Credit is pursuant to Sections 3.1 (C) and 3.1 (D) of the Project Finance Agreement. Failure of Recipient to fulfill the terms of the Project Finance Agreement may result in reduction or elimination of the Subsidy Credit.

Subsidy Credit for Refunding Recipients is calculated based on Corpus or Reserve Allocation percentage of Existing Agreement.

(2) In the event that the Benefit of the Refunding exceeds the interest payable on any specific payment date, the difference will be credited on a later payment date or dates. Should there be excess Benefits of the Refunding remaining after the final maturity and full repayment, such excess will be remitted to the Recipient by the Corporation.



Monroe County Water Authority**Water System Revenue Bonds, Series 2010****Tax-Exempt, New Money - Level Debt Service****Debt Service Schedule****Part 1 of 2**

Date	Principal	Coupon	Interest	Total P+I
08/01/2010	1,885,000.00	2.000%	192,864.32	2,077,864.32
02/01/2011	-	-	288,367.50	288,367.50
08/01/2011	2,080,000.00	2.500%	288,367.50	2,368,367.50
02/01/2012	-	-	262,367.50	262,367.50
08/01/2012	890,000.00	3.000%	262,367.50	1,152,367.50
02/01/2013	-	-	249,017.50	249,017.50
08/01/2013	910,000.00	3.250%	249,017.50	1,159,017.50
02/01/2014	-	-	234,230.00	234,230.00
08/01/2014	930,000.00	4.000%	234,230.00	1,164,230.00
02/01/2015	-	-	215,630.00	215,630.00
08/01/2015	980,000.00	4.000%	215,630.00	1,195,630.00
02/01/2016	-	-	196,030.00	196,030.00
08/01/2016	1,015,000.00	4.500%	196,030.00	1,211,030.00
02/01/2017	-	-	173,192.50	173,192.50
08/01/2017	1,055,000.00	5.000%	173,192.50	1,228,192.50
02/01/2018	-	-	146,817.50	146,817.50
08/01/2018	830,000.00	5.000%	146,817.50	976,817.50
02/01/2019	-	-	126,067.50	126,067.50
08/01/2019	1,230,000.00	5.000%	126,067.50	1,356,067.50
02/01/2020	-	-	95,317.50	95,317.50
08/01/2020	205,000.00	5.000%	95,317.50	300,317.50
02/01/2021	-	-	90,192.50	90,192.50
08/01/2021	215,000.00	3.500%	90,192.50	305,192.50
02/01/2022	-	-	86,430.00	86,430.00
08/01/2022	225,000.00	3.500%	86,430.00	311,430.00
02/01/2023	-	-	82,492.50	82,492.50
08/01/2023	230,000.00	3.700%	82,492.50	312,492.50
02/01/2024	-	-	78,237.50	78,237.50
08/01/2024	240,000.00	3.750%	78,237.50	318,237.50
02/01/2025	-	-	73,737.50	73,737.50
08/01/2025	250,000.00	3.875%	73,737.50	323,737.50
02/01/2026	-	-	68,893.75	68,893.75
08/01/2026	260,000.00	4.250%	68,893.75	328,893.75
02/01/2027	-	-	63,368.75	63,368.75
08/01/2027	270,000.00	4.250%	63,368.75	333,368.75
02/01/2028	-	-	57,631.25	57,631.25
08/01/2028	280,000.00	4.250%	57,631.25	337,631.25
02/01/2029	-	-	51,681.25	51,681.25
08/01/2029	290,000.00	4.250%	51,681.25	341,681.25
02/01/2030	-	-	45,518.75	45,518.75
08/01/2030	305,000.00	4.250%	45,518.75	350,518.75
02/01/2031	-	-	39,037.50	39,037.50
08/01/2031	320,000.00	4.500%	39,037.50	359,037.50
02/01/2032	-	-	31,837.50	31,837.50

Monroe County Water Authority

Water System Revenue Bonds, Series 2010

Tax-Exempt, New Money - Level Debt Service

Debt Service Schedule

Part 2 of 2

Date	Principal	Coupon	Interest	Total P+I
08/01/2032	330,000.00	4.500%	31,837.50	361,837.50
02/01/2033	-	-	24,412.50	24,412.50
08/01/2033	345,000.00	4.500%	24,412.50	369,412.50
02/01/2034	-	-	16,650.00	16,650.00
08/01/2034	360,000.00	4.500%	16,650.00	376,650.00
02/01/2035	-	-	8,550.00	8,550.00
08/01/2035	380,000.00	4.500%	8,550.00	388,550.00
Total	\$16,310,000.00	-	\$5,804,281.82	\$22,114,281.82

Yield Statistics

Bond Year Dollars	\$134,184.53
Average Life	8.227 Years
Average Coupon	4.3255969%

Net Interest Cost (NIC)	3.8032614%
True Interest Cost (TIC)	3.6354450%
Bond Yield for Arbitrage Purposes	3.5017832%
All Inclusive Cost (AIC)	3.8059793%

IRS Form 8038

Net Interest Cost	3.5694812%
Weighted Average Maturity	8.093 Years

Monroe County Water Authority
Water Revenue Bonds, Series 2010A and 2010B
East Side Water Supply Project

Debt Service Schedule - Series 2010A (Tax-Exempt Bonds)

Date	Principal	Coupon	Interest	Debt Service	Debt Service (Annual)	Capitalized Interest	Federal BAB Subsidy	Net Debt Service	Net Debt Service (Annual)
12/31/10	-	-	-	-	-	-	-	-	-
02/01/11	-	-	7,044.44	7,044.44	-	-	-	7,044.44	-
08/01/11	-	-	31,700.00	31,700.00	38,744.44	(8,563.06)	-	25,136.94	32,181.38
02/01/12	-	-	31,700.00	31,700.00	-	(17,455.73)	-	14,244.27	-
08/01/12	-	-	31,700.00	31,700.00	63,400.00	(17,455.73)	-	14,244.27	28,488.54
02/01/13	-	-	31,700.00	31,700.00	-	(1,279.72)	-	30,420.28	-
08/01/13	-	-	31,700.00	31,700.00	63,400.00	-	-	31,700.00	62,120.28
02/01/14	-	-	31,700.00	31,700.00	-	-	-	31,700.00	-
08/01/14	-	-	31,700.00	31,700.00	63,400.00	-	-	31,700.00	63,400.00
02/01/15	-	-	31,700.00	31,700.00	-	-	-	31,700.00	-
08/01/15	-	-	31,700.00	31,700.00	63,400.00	-	-	31,700.00	63,400.00
02/01/16	-	-	31,700.00	31,700.00	-	-	-	31,700.00	-
08/01/16	335,000.00	4.000%	31,700.00	366,700.00	398,400.00	-	-	366,700.00	398,400.00
02/01/17	-	-	25,000.00	25,000.00	-	-	-	25,000.00	-
08/01/17	1,250,000.00	4.000%	25,000.00	1,275,000.00	1,300,000.00	-	-	1,275,000.00	1,300,000.00
02/01/18	-	-	-	-	-	-	-	-	-
08/01/18	-	-	-	-	-	-	-	-	-
02/01/19	-	-	-	-	-	-	-	-	-
08/01/19	-	-	-	-	-	-	-	-	-
02/01/20	-	-	-	-	-	-	-	-	-
08/01/20	-	-	-	-	-	-	-	-	-
02/01/21	-	-	-	-	-	-	-	-	-
08/01/21	-	-	-	-	-	-	-	-	-
02/01/22	-	-	-	-	-	-	-	-	-
08/01/22	-	-	-	-	-	-	-	-	-
02/01/23	-	-	-	-	-	-	-	-	-
08/01/23	-	-	-	-	-	-	-	-	-
02/01/24	-	-	-	-	-	-	-	-	-
08/01/24	-	-	-	-	-	-	-	-	-
02/01/25	-	-	-	-	-	-	-	-	-
08/01/25	-	-	-	-	-	-	-	-	-
02/01/26	-	-	-	-	-	-	-	-	-
08/01/26	-	-	-	-	-	-	-	-	-
02/01/27	-	-	-	-	-	-	-	-	-
08/01/27	-	-	-	-	-	-	-	-	-
02/01/28	-	-	-	-	-	-	-	-	-
08/01/28	-	-	-	-	-	-	-	-	-
02/01/29	-	-	-	-	-	-	-	-	-
08/01/29	-	-	-	-	-	-	-	-	-
02/01/30	-	-	-	-	-	-	-	-	-
08/01/30	-	-	-	-	-	-	-	-	-
02/01/31	-	-	-	-	-	-	-	-	-
08/01/31	-	-	-	-	-	-	-	-	-
02/01/32	-	-	-	-	-	-	-	-	-
08/01/32	-	-	-	-	-	-	-	-	-
02/01/33	-	-	-	-	-	-	-	-	-
08/01/33	-	-	-	-	-	-	-	-	-
02/01/34	-	-	-	-	-	-	-	-	-
08/01/34	-	-	-	-	-	-	-	-	-
02/01/35	-	-	-	-	-	-	-	-	-
08/01/35	-	-	-	-	-	-	-	-	-
02/01/36	-	-	-	-	-	-	-	-	-
08/01/36	-	-	-	-	-	-	-	-	-
02/01/37	-	-	-	-	-	-	-	-	-
08/01/37	-	-	-	-	-	-	-	-	-
02/01/38	-	-	-	-	-	-	-	-	-
08/01/38	-	-	-	-	-	-	-	-	-
02/01/39	-	-	-	-	-	-	-	-	-
08/01/39	-	-	-	-	-	-	-	-	-
02/01/40	-	-	-	-	-	-	-	-	-
08/01/40	-	-	-	-	-	-	-	-	-
02/01/41	-	-	-	-	-	-	-	-	-
08/01/41	-	-	-	-	-	-	-	-	-
02/01/42	-	-	-	-	-	-	-	-	-
08/01/42	-	-	-	-	-	-	-	-	-
Total	1,585,000.00		403,744.44	1,990,744.44	1,990,744.44	(42,734.24)	-	1,947,990.20	1,947,990.20

Monroe County Water Authority
Water Revenue Bonds, Series 2010A and 2010B
East Side Water Supply Project

Debt Service Schedule - Series 2010B (Taxable Build America Bonds)

Date	Principal	Coupon	Interest	Debt Service	Debt Service (Annual)	Capitalized Interest	Federal BAB Subsidy	Net Debt Service	Net Debt Service (Annual)
12/21/10	-	-	-	-	-	-	-	-	-
02/01/11	-	-	635,876.24	635,876.24	-	-	(222,556.68)	413,319.56	-
08/01/11	-	-	2,861,443.10	2,861,443.10	3,497,319.34	(385,074.96)	(1,001,505.08)	1,474,863.06	1,888,182.62
02/01/12	-	-	2,861,443.10	2,861,443.10	-	(1,024,182.29)	(1,001,505.08)	835,755.73	-
08/01/12	-	-	2,861,443.10	2,861,443.10	5,722,886.20	(1,024,182.29)	(1,001,505.08)	835,755.73	1,671,511.46
02/01/13	-	-	2,861,443.10	2,861,443.10	-	(75,085.30)	(1,001,505.08)	1,784,852.72	-
08/01/13	-	-	2,861,443.10	2,861,443.10	5,722,886.20	-	(1,001,505.08)	1,859,938.02	3,644,790.74
02/01/14	-	-	2,861,443.10	2,861,443.10	-	-	(1,001,505.08)	1,859,938.02	-
08/01/14	-	-	2,861,443.10	2,861,443.10	5,722,886.20	-	(1,001,505.08)	1,859,938.02	3,719,876.04
02/01/15	-	-	2,861,443.10	2,861,443.10	-	-	(1,001,505.08)	1,859,938.02	-
08/01/15	-	-	2,861,443.10	2,861,443.10	5,722,886.20	-	(1,001,505.08)	1,859,938.02	3,719,876.04
02/01/16	-	-	2,861,443.10	2,861,443.10	-	-	(1,001,505.08)	1,859,938.02	-
08/01/16	-	-	2,861,443.10	2,861,443.10	5,722,886.20	-	(1,001,505.08)	1,859,938.02	3,719,876.04
02/01/17	-	-	2,861,443.10	2,861,443.10	-	-	(1,001,505.08)	1,859,938.02	-
08/01/17	-	-	2,861,443.10	2,861,443.10	5,722,886.20	-	(1,001,505.08)	1,859,938.02	3,719,876.04
02/01/18	-	-	2,861,443.10	2,861,443.10	-	-	(1,001,505.08)	1,859,938.02	-
08/01/18	2,300,000.00	4.494%	2,861,443.10	5,161,443.10	8,022,886.20	-	(1,001,505.08)	4,159,938.02	6,019,876.04
02/01/19	-	-	2,809,762.10	2,809,762.10	-	-	(983,416.73)	1,826,345.37	-
08/01/19	2,365,000.00	4.694%	2,809,762.10	5,174,762.10	7,984,524.20	-	(983,416.73)	4,191,345.37	6,017,690.74
02/01/20	-	-	2,754,255.55	2,754,255.55	-	-	(963,989.44)	1,790,266.11	-
08/01/20	2,440,000.00	4.894%	2,754,255.55	5,194,255.55	7,948,511.10	-	(963,989.44)	4,230,266.11	6,020,532.22
02/01/21	-	-	2,694,548.75	2,694,548.75	-	-	(943,092.06)	1,751,456.69	-
08/01/21	2,515,000.00	5.094%	2,694,548.75	5,209,548.75	7,904,097.50	-	(943,092.06)	4,266,456.69	6,017,913.38
02/01/22	-	-	2,630,491.70	2,630,491.70	-	-	(920,872.09)	1,709,819.61	-
08/01/22	2,600,000.00	5.894%	2,630,491.70	5,230,491.70	7,860,983.40	-	(920,872.09)	4,309,819.61	6,019,639.22
02/01/23	-	-	2,553,869.70	2,553,869.70	-	-	(893,854.39)	1,660,015.31	-
08/01/23	2,700,000.00	5.894%	2,553,869.70	5,253,869.70	7,807,739.40	-	(893,854.39)	4,360,015.31	6,020,030.62
02/01/24	-	-	2,474,300.70	2,474,300.70	-	-	(866,005.24)	1,608,295.46	-
08/01/24	2,805,000.00	5.894%	2,474,300.70	5,279,300.70	7,753,601.40	-	(866,005.24)	4,413,295.46	6,021,590.92
02/01/25	-	-	2,391,637.35	2,391,637.35	-	-	(837,073.07)	1,554,564.28	-
08/01/25	2,910,000.00	5.894%	2,391,637.35	5,301,637.35	7,693,274.70	-	(837,073.07)	4,464,564.28	6,019,128.56
02/01/26	-	-	2,305,879.65	2,305,879.65	-	-	(807,057.88)	1,498,821.77	-
08/01/26	3,020,000.00	6.259%	2,305,879.65	5,325,879.65	7,631,759.30	-	(807,057.88)	4,518,821.77	6,017,643.54
02/01/27	-	-	2,211,368.75	2,211,368.75	-	-	(773,979.06)	1,437,389.69	-
08/01/27	3,145,000.00	6.259%	2,211,368.75	5,356,368.75	7,567,737.50	-	(773,979.06)	4,582,389.69	6,019,779.38
02/01/28	-	-	2,112,945.97	2,112,945.97	-	-	(739,531.09)	1,373,414.88	-
08/01/28	3,270,000.00	6.259%	2,112,945.97	5,382,945.97	7,495,891.94	-	(739,531.09)	4,643,414.88	6,016,829.76
02/01/29	-	-	2,010,611.32	2,010,611.32	-	-	(703,713.96)	1,306,897.36	-
08/01/29	3,405,000.00	6.259%	2,010,611.32	5,415,611.32	7,426,222.64	-	(703,713.96)	4,711,897.36	6,018,794.72
02/01/30	-	-	1,904,051.84	1,904,051.84	-	-	(668,418.14)	1,237,633.70	-
08/01/30	3,545,000.00	6.259%	1,904,051.84	5,449,051.84	7,353,103.68	-	(668,418.14)	4,782,633.70	6,020,267.40
02/01/31	-	-	1,793,111.06	1,793,111.06	-	-	(627,588.87)	1,165,522.19	-
08/01/31	3,690,000.00	6.339%	1,793,111.06	5,483,111.06	7,276,222.12	-	(627,588.87)	4,855,522.19	6,021,044.38
02/01/32	-	-	1,676,156.51	1,676,156.51	-	-	(586,654.78)	1,089,501.73	-
08/01/32	3,840,000.00	6.339%	1,676,156.51	5,516,156.51	7,192,313.02	-	(586,654.78)	4,929,501.73	6,019,003.46
02/01/33	-	-	1,554,447.71	1,554,447.71	-	-	(544,056.70)	1,010,391.01	-
08/01/33	4,000,000.00	6.339%	1,554,447.71	5,554,447.71	7,108,895.42	-	(544,056.70)	5,010,391.01	6,020,782.02
02/01/34	-	-	1,427,667.71	1,427,667.71	-	-	(499,683.70)	927,984.01	-
08/01/34	4,165,000.00	6.339%	1,427,667.71	5,592,667.71	7,020,335.42	-	(499,683.70)	5,092,984.01	6,020,968.02
02/01/35	-	-	1,295,658.03	1,295,658.03	-	-	(453,480.31)	842,177.72	-
08/01/35	4,335,000.00	6.339%	1,295,658.03	5,630,658.03	6,926,316.06	-	(453,480.31)	5,177,177.72	6,019,355.44
02/01/36	-	-	1,158,260.20	1,158,260.20	-	-	(405,391.07)	752,869.13	-
08/01/36	4,515,000.00	6.459%	1,158,260.20	5,673,260.20	6,831,520.40	-	(405,391.07)	5,267,869.13	6,020,738.26
02/01/37	-	-	1,012,448.27	1,012,448.27	-	-	(354,356.89)	658,091.38	-
08/01/37	4,705,000.00	6.459%	1,012,448.27	5,717,448.27	6,729,896.54	-	(354,356.89)	5,363,091.38	6,021,182.76
02/01/38	-	-	860,500.29	860,500.29	-	-	(301,175.10)	559,325.19	-
08/01/38	4,900,000.00	6.459%	860,500.29	5,760,500.29	6,621,000.58	-	(301,175.10)	5,459,325.19	6,018,650.38
02/01/39	-	-	702,254.79	702,254.79	-	-	(245,789.18)	456,465.61	-
08/01/39	5,105,000.00	6.459%	702,254.79	5,807,254.79	6,509,509.58	-	(245,789.18)	5,561,465.61	6,017,931.22
02/01/40	-	-	537,388.81	537,388.81	-	-	(188,086.08)	349,302.73	-
08/01/40	5,320,000.00	6.459%	537,388.81	5,857,388.81	6,394,777.62	-	(188,086.08)	5,669,302.73	6,018,605.46
02/01/41	-	-	365,579.41	365,579.41	-	-	(127,952.79)	237,626.62	-
08/01/41	5,545,000.00	6.459%	365,579.41	5,910,579.41	6,276,158.82	-	(127,952.79)	5,782,626.62	6,020,253.24
02/01/42	-	-	186,503.63	186,503.63	-	-	(65,276.27)	121,227.36	-
08/01/42	5,775,000.00	6.459%	186,503.63	5,961,503.63	6,148,007.26	-	(65,276.27)	5,896,227.36	6,017,454.72
Total	92,915,000.00		126,404,922.34	219,319,922.34	219,319,922.34	(2,508,524.84)	(44,241,722.66)	172,569,674.84	172,569,674.84

BOND DEBT SERVICE

Monroe County Water Authority (New York)
Water System Revenue Bonds, Series 2012

Dated Date 12/21/2012
Delivery Date 12/21/2012

Period Ending	Principal	Coupon	Interest	Debt Service	Annual Debt Service	Bond Balance	Total Bond Value
12/21/2012						6,290,000	6,290,000
08/01/2013			167,345.14	167,345.14	167,345.14	6,290,000	6,290,000
02/01/2014			136,918.75	136,918.75		6,290,000	6,290,000
08/01/2014	155,000	3.000%	136,918.75	291,918.75	428,837.50	6,135,000	6,135,000
02/01/2015			134,593.75	134,593.75		6,135,000	6,135,000
08/01/2015	160,000	4.000%	134,593.75	294,593.75	429,187.50	5,975,000	5,975,000
02/01/2016			131,393.75	131,393.75		5,975,000	5,975,000
08/01/2016	170,000	4.000%	131,393.75	301,393.75	432,787.50	5,805,000	5,805,000
02/01/2017			127,993.75	127,993.75		5,805,000	5,805,000
08/01/2017	175,000	4.000%	127,993.75	302,993.75	430,987.50	5,630,000	5,630,000
02/01/2018			124,493.75	124,493.75		5,630,000	5,630,000
08/01/2018	180,000	4.000%	124,493.75	304,493.75	428,987.50	5,450,000	5,450,000
02/01/2019			120,893.75	120,893.75		5,450,000	5,450,000
08/01/2019	190,000	4.000%	120,893.75	310,893.75	431,787.50	5,260,000	5,260,000
02/01/2020			117,093.75	117,093.75		5,260,000	5,260,000
08/01/2020	195,000	4.000%	117,093.75	312,093.75	429,187.50	5,065,000	5,065,000
02/01/2021			113,193.75	113,193.75		5,065,000	5,065,000
08/01/2021	205,000	5.000%	113,193.75	318,193.75	431,387.50	4,860,000	4,860,000
02/01/2022			108,068.75	108,068.75		4,860,000	4,860,000
08/01/2022	215,000	5.000%	108,068.75	323,068.75	431,137.50	4,645,000	4,645,000
02/01/2023			102,693.75	102,693.75		4,645,000	4,645,000
08/01/2023	225,000	5.000%	102,693.75	327,693.75	430,387.50	4,420,000	4,420,000
02/01/2024			97,068.75	97,068.75		4,420,000	4,420,000
08/01/2024	235,000	5.000%	97,068.75	332,068.75	429,137.50	4,185,000	4,185,000
02/01/2025			91,193.75	91,193.75		4,185,000	4,185,000
08/01/2025	250,000	5.000%	91,193.75	341,193.75	432,387.50	3,935,000	3,935,000
02/01/2026			84,943.75	84,943.75		3,935,000	3,935,000
08/01/2026	260,000	5.000%	84,943.75	344,943.75	429,887.50	3,675,000	3,675,000
02/01/2027			78,443.75	78,443.75		3,675,000	3,675,000
08/01/2027	275,000	5.000%	78,443.75	353,443.75	431,887.50	3,400,000	3,400,000
02/01/2028			71,568.75	71,568.75		3,400,000	3,400,000
08/01/2028	290,000	3.250%	71,568.75	361,568.75	433,137.50	3,110,000	3,110,000
02/01/2029			66,856.25	66,856.25		3,110,000	3,110,000
08/01/2029	300,000	3.250%	66,856.25	366,856.25	433,712.50	2,810,000	2,810,000
02/01/2030			61,981.25	61,981.25		2,810,000	2,810,000
08/01/2030	305,000	3.250%	61,981.25	366,981.25	428,962.50	2,505,000	2,505,000
02/01/2031			57,025.00	57,025.00		2,505,000	2,505,000
08/01/2031	315,000	3.250%	57,025.00	372,025.00	429,050.00	2,190,000	2,190,000
02/01/2032			51,906.25	51,906.25		2,190,000	2,190,000
08/01/2032	325,000	3.250%	51,906.25	376,906.25	428,812.50	1,865,000	1,865,000
02/01/2033			46,625.00	46,625.00		1,865,000	1,865,000
08/01/2033	340,000	5.000%	46,625.00	386,625.00	433,250.00	1,525,000	1,525,000
02/01/2034			38,125.00	38,125.00		1,525,000	1,525,000
08/01/2034	355,000	5.000%	38,125.00	393,125.00	431,250.00	1,170,000	1,170,000
02/01/2035			29,250.00	29,250.00		1,170,000	1,170,000
08/01/2035	370,000	5.000%	29,250.00	399,250.00	428,500.00	800,000	800,000
02/01/2036			20,000.00	20,000.00		800,000	800,000
08/01/2036	390,000	5.000%	20,000.00	410,000.00	430,000.00	410,000	410,000
02/01/2037			10,250.00	10,250.00		410,000	410,000
08/01/2037	410,000	5.000%	10,250.00	420,250.00	430,500.00		
	6,290,000		4,212,495.14	10,502,495.14	10,502,495.14		

NOTICE OF TERMS - NET DEBT SERVICE SCHEDULE (1)

**NYS EFC Series 2013B
Monroe County Water Authority - Aggregate
Loan ID 4116**

Schedule A

Date	Principal	Coupon	Interest	Gross Debt Service	Less: Subsidy Credit (1)	Plus: Annual Administrative Fee (2)	Semi-Annual Net Debt Service	Annual Net Debt Service, Fiscal Year
11/01/2013	600,000.00	0.2000%	184,238.20	784,238.20	45,377.02		738,861.18	738,861.18
05/01/2014			321,369.66	321,369.66	79,032.97		242,336.69	
11/01/2014	465,000.00	0.3000%	321,369.66	786,369.66	79,032.97	18,420.00	725,756.69	968,093.38
05/01/2015			320,672.16	320,672.16	78,667.97		242,004.19	
11/01/2015	465,341.00	0.6700%	320,672.16	786,013.16	78,667.97	18,766.00	726,111.19	968,115.38
05/01/2016			319,113.28	319,113.28	77,845.86		241,267.42	
11/01/2016	470,000.00	1.0800%	319,113.28	789,113.28	77,845.86	18,253.00	729,520.42	970,787.84
05/01/2017			316,575.28	316,575.28	76,504.86		240,070.42	
11/01/2017	475,000.00	1.4400%	316,575.28	791,575.28	76,504.86	17,737.00	732,807.42	972,877.84
05/01/2018			313,155.28	313,155.28	74,704.86		238,450.42	
11/01/2018	480,000.00	1.7900%	313,155.28	793,155.28	74,704.86	17,214.00	735,664.42	974,114.84
05/01/2019			308,859.28	308,859.28	72,437.52		236,421.76	
11/01/2019	480,000.00	2.0900%	308,859.28	788,859.28	72,437.52	16,686.00	733,107.76	969,529.52
05/01/2020			303,843.28	303,843.28	69,755.35		234,087.93	
11/01/2020	485,000.00	2.3900%	303,843.28	788,843.28	69,755.35	16,158.00	735,245.93	969,333.86
05/01/2021			298,047.53	298,047.53	66,628.43		231,419.10	
11/01/2021	490,000.00	2.6900%	298,047.53	788,047.53	66,628.43	15,625.00	737,044.10	968,463.20
05/01/2022			291,457.03	291,457.03	63,064.18		228,392.85	
11/01/2022	500,000.00	2.9600%	291,457.03	791,457.03	63,064.18	15,085.00	743,477.85	971,870.70
05/01/2023			284,057.03	284,057.03	59,068.18		224,988.85	
11/01/2023	505,000.00	3.1530%	284,057.03	789,057.03	59,068.18	14,535.00	744,523.85	969,512.70
05/01/2024			276,095.70	276,095.70	54,706.52		221,389.18	
11/01/2024	515,000.00	3.4340%	276,095.70	791,095.70	54,706.52	13,979.00	750,368.18	971,757.36
05/01/2025			267,253.15	267,253.15	49,870.30		217,382.85	
11/01/2025	520,000.00	3.5200%	267,253.15	787,253.15	49,870.30	13,413.00	750,795.85	968,178.70
05/01/2026			258,101.15	258,101.15	44,795.62		213,305.53	
11/01/2026	530,000.00	3.6400%	258,101.15	788,101.15	44,795.62	12,841.00	756,146.53	969,452.06
05/01/2027			248,455.15	248,455.15	39,396.28		209,058.87	
11/01/2027	540,000.00	3.7700%	248,455.15	788,455.15	39,396.28	12,258.00	761,316.87	970,375.74
05/01/2028			238,276.16	238,276.16	33,678.44		204,597.72	
11/01/2028	550,000.00	3.8700%	238,276.16	788,276.16	33,678.44	11,664.00	766,261.72	970,859.44
05/01/2029			227,633.65	227,633.65	27,647.68		199,985.97	
11/01/2029	560,000.00	4.0200%	227,633.65	787,633.65	27,647.68	11,059.00	771,044.97	971,030.94
05/01/2030			216,377.65	216,377.65	21,182.17		195,195.48	
11/01/2030	565,000.00	4.0700%	216,377.65	781,377.65	21,182.17	10,443.00	770,638.48	965,833.96
05/01/2031			204,879.90	204,879.90	14,466.67		190,413.23	
11/01/2031	580,000.00	4.1450%	204,879.90	784,879.90	14,466.67	9,821.00	780,234.23	970,647.46
05/01/2032			192,859.40	192,859.40	7,420.17		185,439.23	
11/01/2032	590,000.00	4.2200%	192,859.40	782,859.40	7,420.17	9,183.00	784,622.23	970,061.46
05/01/2033			180,410.41	180,410.41			180,410.41	
11/01/2033	615,000.00	4.6130%	180,410.41	795,410.41		8,535.00	803,945.41	984,355.82
05/01/2034			166,225.43	166,225.43			166,225.43	
11/01/2034	650,000.00	4.6130%	166,225.43	816,225.43		7,859.00	824,084.43	990,309.86
05/01/2035			151,233.18	151,233.18			151,233.18	
11/01/2035	680,000.00	4.6130%	151,233.18	831,233.18		7,144.00	838,377.18	989,610.36
05/01/2036			135,548.98	135,548.98			135,548.98	
11/01/2036	715,000.00	4.6130%	135,548.98	850,548.98		6,396.00	856,944.98	992,493.96
05/01/2037			119,057.51	119,057.51			119,057.51	
11/01/2037	750,000.00	4.6130%	119,057.51	869,057.51		5,609.00	874,666.51	993,724.02
05/01/2038			101,758.76	101,758.76			101,758.76	
11/01/2038	785,000.00	4.6130%	101,758.76	886,758.76		4,784.00	891,542.76	993,301.52
05/01/2039			83,652.73	83,652.73			83,652.73	
11/01/2039	825,000.00	4.6930%	83,652.73	908,652.73		3,921.00	912,573.73	996,226.46
05/01/2040			64,294.10	64,294.10			64,294.10	
11/01/2040	865,000.00	4.6930%	64,294.10	929,294.10		3,014.00	932,308.10	996,602.20
05/01/2041			43,996.88	43,996.88			43,996.88	
11/01/2041	915,000.00	4.6930%	43,996.88	958,996.88		2,062.00	961,058.88	1,005,055.76
05/01/2042			22,526.41	22,526.41			22,526.41	
11/01/2042	960,000.00	4.6930%	22,526.41	982,526.41		1,055.00	983,581.41	1,006,107.82
	18,125,341.00		12,735,810.42	30,861,151.42	2,067,125.08	323,519.00	29,117,545.34	29,117,545.34

AMOUNT PAYABLE PURSUANT TO PARAGRAPH 4 OF NOTICE OF TERMS: 340,114.00

Notes:

- (1) Application of Subsidy Credit is pursuant to Sections 3.1 (C) and 3.1 (D) of the Project Finance Agreement. Failure of Recipient to fulfill the terms of the Project Finance Agreement may result in reduction or elimination of the Subsidy Credit.
- (2) The Annual Administrative Fee is due annually on July 15 commencing July 15, 2014.
- The Administrative Fee rate is pursuant to the Project Finance Agreement.
- Aggregate amounts may differ from totals due to rounding.

Capital Lease

County of Monroe 1996 A

<u>Date</u>	<u>Principal</u>	<u>Interest</u>	<u>Fiscal Year Debt Service</u>
03/01/97	167,166.00	61,561.62	
09/01/97		119,362.03	348,089.65
03/01/98	98,284.00	119,362.03	
09/01/98		117,150.62	334,796.65
03/01/99	103,257.00	117,150.62	
09/01/99		114,698.24	335,105.86
03/01/00	107,761.00	114,698.24	
09/01/00		112,004.23	334,463.47
03/01/01	113,746.00	112,004.23	
09/01/01		109,160.60	334,910.83
03/01/02	119,715.00	109,160.60	
09/01/02		106,018.06	334,893.66
03/01/03	127,211.00	106,018.06	
09/01/03		102,519.77	335,748.83
03/01/04	133,698.00	102,519.77	
09/01/04		98,843.05	335,060.82
03/01/05	140,664.00	98,843.05	
09/01/05		94,974.79	334,481.84
03/01/06	149,154.00	94,974.79	
09/01/06		90,873.09	335,001.88
03/01/07	161,612.00	90,873.09	
09/01/07		86,428.74	338,913.83
03/01/08	170,590.00	86,428.74	
09/01/08		81,311.03	338,329.77
03/01/09	181,056.00	81,311.03	
09/01/09		75,879.35	338,246.38
03/01/10	192,032.00	75,879.35	
09/01/10		70,958.55	338,869.90
03/01/11	203,018.00	70,958.55	
09/01/11		64,868.01	338,844.56
03/01/12	216,478.00	64,868.01	
09/01/12		58,373.67	339,719.68
03/01/13	229,943.00	58,373.67	
09/01/13		51,475.38	339,792.05
03/01/14	243,917.00	51,475.38	
09/01/14		44,157.87	339,550.25
03/01/15	259,873.00	44,157.87	
09/01/15		36,361.68	340,392.55
03/01/16	275,337.00	36,361.68	
09/01/16		28,101.57	339,800.25
03/01/17	293,783.00	28,101.57	
09/01/17		19,288.08	341,172.65
03/01/18	312,240.00	19,288.08	
09/01/18		9,920.88	341,448.96
03/01/19	<u>330,696.00</u>	<u>9,920.88</u>	
	4,331,231.00	3,447,020.20	<u>340,616.88</u> 7,778,251.20

Capital Lease

GENERAL OBLIGATION REFUNDING BONDS - 2008, SERIES C

2008 C Refunding

DATE	PRINCIPAL	INTEREST	TOTAL
8/1/2008	0.00	10,335.21	10,335.21
2/1/2009	295,000.00	44,293.75	339,293.75
8/1/2009	0.00	39,868.75	39,868.75
2/1/2010	300,000.00	39,868.75	339,868.75
8/1/2010	0.00	35,368.75	35,368.75
2/1/2011	300,000.00	35,368.77	335,368.77
8/1/2011	0.00	30,868.76	30,868.76
2/1/2012	320,000.00	30,868.76	350,868.76
8/1/2012	0.00	25,668.77	25,668.77
2/1/2013	295,000.00	25,668.77	320,668.77
8/1/2013	0.00	20,506.27	20,506.27
2/1/2014	280,000.00	20,506.27	300,506.27
8/1/2014	0.00	15,256.26	15,256.26
2/1/2015	275,000.00	15,256.26	290,256.26
8/1/2015	0.00	10,100.00	10,100.00
2/1/2016	265,000.00	10,100.00	275,100.00
8/1/2016	0.00	4,800.00	4,800.00
2/1/2017	240,000.00	4,800.00	244,800.00
	<hr/>	<hr/>	<hr/>
	2,570,000.00	419,504.10	2,989,504.10



MONROE COUNTY WATER AUTHORITY
P.O. Box 10999 • 475 Norris Drive • Rochester, New York 14610-0999
Phone: (585) 442-2000 Fax (585) 442-0220

March 9, 2017

MANAGEMENT'S ASSESSMENT OF THE EFFECTIVENESS OF INTERNAL CONTROL STRUCTURE AND PROCEDURES

The Authority's internal control over operations and financial reporting includes policies and procedures that (a) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect transactions and dispositions of assets; (b) provide reasonable assurances that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures are being made only in accordance with authorization of the Members of the Authority; and (c) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of Authority assets that could have a material effect on the Authority's operations, financial statements and reports.

Because of its inherent limitations, internal control over operations and financial reporting may not prevent or detect misstatements. Projections of any evaluation of the effectiveness of internal controls to future periods are subject to the risk that controls may become inadequate due to changes in conditions, or that the degree of compliance with the policies and procedures may deteriorate.

For the period January 1 through December 31, 2016 management conducted an assessment of the effectiveness of the Authority's internal control over operations and financial reporting and has determined that the controls are adequate. The assessment was made through testing, inquiry and observation.

Respectfully Submitted,

Kathleen A. Prestidge
Director of Finance & Business Services

MONROE COUNTY WATER AUTHORITY
(A Discretely Presented Component Unit
of the County of Monroe, New York)

Financial Statements as of
December 31, 2016
Together with
Independent Auditor's Report

Bonadio & Co., LLP
Certified Public Accountants

MONROE COUNTY WATER AUTHORITY
(A Discretely Presented Component Unit of the County of Monroe, New York)

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INDEPENDENT AUDITOR'S REPORT

March 2, 2017

To the Board of Directors of
Monroe County Water Authority:

Report on the Financial Statements

We have audited the accompanying financial statements of the Monroe County Water Authority (the Authority), a public benefit corporation of the State of New York and a discretely presented component unit of the County of Monroe, New York, as of and for the year ended December 31, 2016, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

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

Auditor's Responsibility

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

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

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

INDEPENDENT AUDITOR'S REPORT

(Continued)

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the Authority as of December 31, 2016, 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.

Summarized Comparative Totals

We have previously audited the Authority's 2015 financial statements, and we expressed an unmodified audit opinion on those audited financial statements in our report dated March 4, 2016. In our opinion, the summarized comparative information presented herein as of and for the year ended December 31, 2015 is consistent, in all material respects, with the audited financial statements from which it has been derived.

Report on Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on pages 3 – 9, schedule of funding progress – other postemployment benefits plan, schedule of proportionate share of net pension liability (asset), and schedule of contributions – pension plans be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated March 2, 2017 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.

MONROE COUNTY WATER AUTHORITY
(A Discretely Presented Component Unit of the County of Monroe, New York)

MANAGEMENT'S DISCUSSION AND ANALYSIS (UNAUDITED)
DECEMBER 31, 2016

The Monroe County Water Authority (the Authority) is a not-for-profit public benefit corporation that reliably provides quality, affordable water that fosters economic vitality and enhanced quality of life for Monroe County and area communities who request service.

The financial statements of the Authority include the Statement of Net Position, the Statement of Revenue, Expenses and Change in Net Position, and the Statement of Cash Flows, and related notes to the financial statements. The Statement of Net Position provides information about the nature and the amounts of investments and resources (assets), deferred outflows of resources, and the obligations to the Authority's creditors (liabilities), and deferred inflows of resources, with the difference between these reported as net position.

The Statement of Revenue, Expenses and Change in Net Position shows how the Authority's net position changed during the year. It accounts for all the year's revenues and expenses, measures the financial results of the Authority's operations for the year and can be used to determine how the Authority has funded its costs.

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

The notes to the financial statements contain information that is essential to the understanding of the financial statements, such as the Authority's accounting methods and policies.

Management provides the following discussion and analysis (MD&A) of the Authority's financial position and activities. This overview is provided for the year ended December 31, 2016. The information contained in this analysis should be used by the reader in conjunction with the information contained in our audited financial statements and the notes to those financial statements, all of which follow this narrative on the subsequent pages.

FINANCIAL HIGHLIGHTS

The Authority's financial statements are prepared on the accrual basis of accounting promulgated by the Governmental Accounting Standards Board (GASB). The Authority is a single-purpose entity and revenues are recognized when earned, not received. Expenses are recognized when incurred, not when they are paid.

The 2016 financial statements are presented with comparative totals from 2015.

- The assets and deferred outflows of resources of the Authority exceeded its liabilities at the close of its most recent fiscal year by \$333,554,807 (net position). Of this amount \$55,470,765 (unrestricted net position) may be used to meet the Authority's ongoing obligations.
- Operating revenues increased approximately \$5,747,000 or 9% during the current year from approximately \$62.0 million for the 2015 fiscal year to approximately \$67.7 million for the 2016 fiscal year. Most of this increase in revenues occurred in the residential customer class and is largely due to the unusually dry summer of 2016.

FINANCIAL HIGHLIGHTS (Continued)

- Several major construction projects were completed during the year increasing the Authority's assets as follows:

<u>Project Name</u>	<u>2016</u>
West Main & Lee Road Tanks Rehabilitation	\$ 3,499,263
SWTP Substation Phase I & II	\$ 3,408,752
Kreag Road Canal Crossing	\$ 2,893,605
2016 Residential Meter Replacements	\$ 2,233,675
Basket Road Water Main Replacement	\$ 1,507,834
2015 Cement Lining	\$ 1,472,298
Hilton Tank Recoating	\$ 1,220,090
Spencerport & Corfu Tanks Rehabilitation	\$ 1,189,484
Fisher Road Water Main Replacement	\$ 1,063,222

Summary of Operations and Change in Net Position

	<u>2016</u>	<u>2015</u>
Operating revenues	\$ 67,729,116	\$ 61,982,042
Operating expenses	<u>(60,995,850)</u>	<u>(59,569,502)</u>
Operating income	6,733,266	2,412,540
Non-operating expenses, net	<u>(5,958,587)</u>	<u>(5,843,000)</u>
Income (loss) before capital contributions	774,679	(3,430,460)
Capital contributions	<u>4,779,723</u>	<u>3,785,445</u>
Change in net position	<u>\$ 5,554,402</u>	<u>\$ 354,985</u>

Capital contributions are revenues from grants, developers, and customers for water system capital improvements donated to the Authority.

FINANCIAL HIGHLIGHTS (Continued)

Financial Position Summary

Net position is an indication of the Authority's financial strength. The Authority's net position as of December 31, 2016 is \$333,554,807. A summary of the Authority's financial position is shown below.

	<u>2016</u>	<u>2015</u>
ASSETS:		
Current assets	\$ 68,865,449	\$ 63,520,398
Capital assets	416,928,672	414,615,334
Funds held by trustee	17,615,157	21,894,621
Restricted assets	<u>3,195,688</u>	<u>3,357,707</u>
Total assets	<u>506,604,966</u>	<u>503,388,060</u>
DEFERRED OUTFLOWS OF RESOURCES	<u>10,993,110</u>	<u>3,535,254</u>
LIABILITIES:		
Current liabilities, including current portion of long-term debt	15,928,769	18,775,870
Other liabilities (long-term)	<u>166,965,543</u>	<u>160,147,039</u>
Total liabilities	<u>182,894,312</u>	<u>178,922,909</u>
DEFERRED INFLOWS OF RESOURCES	<u>1,148,957</u>	<u>-</u>
NET POSITION:		
Net investment in capital assets	274,888,354	268,859,780
Restricted	3,195,688	3,357,707
Unrestricted	<u>55,470,765</u>	<u>55,782,918</u>
Total net position	<u>\$ 333,554,807</u>	<u>\$ 328,000,405</u>

As a water utility, the Authority has a significant investment in infrastructure. The Authority's infrastructure includes pipelines ranging from 2" in diameter to 5' in diameter, 51 booster pumping stations, 49 tanks, 2 reservoirs, 3 water treatment plants, land and other facilities required in the treatment and distribution of potable water to its customers. The Authority's net position also includes funds available to pay for ongoing and future construction or replacements, and/or additions, to this infrastructure. Deferred outflows of resources increased and deferred inflows of resources were recorded due to a change in the actuarial valuation of the New York State Employees' Retirement System in the current year. Long-term liabilities were recorded in both years as a result of a net pension liability related to GASB 68 & 71 for the Authority's proportionate share of the New York State Employees' Retirement System.

MCWA Rates and Charges

The Authority sets its rates annually in concurrence with the adoption of its annual operating budget. The Authority is required by its Master Trust Indenture dated October 1, 1991 and Supplemental Indentures issued with and specific to each subsequent revenue bond issue (Trust Indentures) to set rates and fees sufficient to cover all of its operating and capital expenses.

Many factors were considered by the Authority's Board Members when the rates were being set for 2017. Based in part on the recommendation of the Authority's independent rate consultant, the daily base charge and the commodity rate increased by a modest amount and are shown in the following table.

FINANCIAL HIGHLIGHTS (Continued)

MCWA Rates and Charges (Continued)

	<u>2017</u>	<u>2016</u>	<u>2015</u>
Residential/quarterly:			
Daily base charge per connection (up to ¾")	\$ 0.21	\$ 0.21	\$ 0.21
Commodity charge per 1,000 gallons	\$ 2.96	\$ 2.84	\$ 2.71
Large commercial/monthly:			
Daily base charge per connection	\$ 0.62 - 7.77	\$ 0.62 - 7.42	\$ 0.62 - 7.42
Commodity charge per 1,000 gallons -			
First 125,000 gallons	\$ 2.96	\$ 2.84	\$ 2.71
Each additional 1,000 gallons	\$ 2.02	\$ 1.92	\$ 1.86
Water district rate:			
Daily base charge per connection	\$ 0.62 - 7.77	\$ 0.62 - 7.42	\$ 0.62 - 7.42
Commodity charge per 1,000 gallons	\$ 2.02	\$ 1.92	\$ 1.86

Summary of Operating Revenues

	<u>2016</u>	<u>2016 Budget</u>	<u>2015</u>
Water sales:			
Residential/quarterly	\$ 53,741,425	\$ 52,788,520	\$ 48,987,079
Large commercial/monthly	5,901,460	5,497,550	5,308,211
Water districts/wholesale	<u>3,205,667</u>	<u>2,797,610</u>	<u>2,829,711</u>
Total water sales	62,848,552	61,083,680	57,125,001
Other water and operating revenue	<u>4,880,564</u>	<u>4,373,920</u>	<u>4,857,041</u>
Total operating revenue	<u>\$ 67,729,116</u>	<u>\$ 65,457,600</u>	<u>\$ 61,982,042</u>

Revenues

Water sales for 2016 were projected based on average historical usage with the typical residential customer using approximately 73 thousand gallons of water annually. This year's water sales, which include the residential, large commercial and water district classes, were \$5,723,551 more than those of 2015 and \$1,764,872 more than budget. 2016 had an unusually dry spring and summer. In contrast, 2015 had an unusually wet spring and summer.

Other water revenue includes private fire services in the amount of \$1,275,267, and late charges in the amount of \$896,383. Also included are payments made to the Authority by both Monroe County and Genesee County for debt service on facilities constructed and owned by the Authority for the benefit of the respective counties. In 2016, the service fees for Monroe and Genesee Counties were \$724,907 and \$1,054,906 respectively. 2016 was the final year for the Monroe County service fee. Other operating revenues included cell tower lease income of \$233,494 in 2016.

Total operating revenue for 2016 was \$67,729,116; \$5,747,074 higher than 2015, and \$2,271,516 more than budget estimates.

Operating Expenses

The Authority's expenses (excluding depreciation and amortization) are budgeted and tracked functionally by operating department. The Authority is divided into the following five departments: Administration; Production/Transmission; Engineering; Facilities, Fleet & Operations; and Finance & Business Services.

FINANCIAL HIGHLIGHTS (Continued)

Operating Expenses (Continued)

The following is a breakdown of the Authority's functional expenses by operating department (excluding depreciation and amortization):

	<u>2016</u>	<u>2016 Budget</u>	<u>2015</u>
Functional expenses:			
Administration	\$ 8,629,242	\$ 9,340,708	\$ 8,217,451
Production/transmission	13,101,455	15,321,957	12,281,416
Engineering	3,709,368	3,974,542	3,553,659
Facilities, fleet & operations	11,671,464	13,482,729	12,932,953
Finance and business services	<u>6,136,247</u>	<u>6,948,807</u>	<u>6,036,470</u>
Total functional expenses	<u>\$ 43,247,776</u>	<u>\$ 49,068,743</u>	<u>\$ 43,021,949</u>

Operating expenses (excluding depreciation and amortization) were \$5,820,967, or 11.9% under budget for 2016.

The following is a breakdown of the Authority's total operating expenses:

	<u>2016</u>	<u>2015</u>
Operating expenses:		
Salaries and fringe benefits	\$ 21,464,226	\$ 21,677,298
Operations and maintenance	11,700,159	13,473,366
General and administrative	9,840,391	7,628,285
City contract - capital	243,000	243,000
Depreciation and amortization	17,726,862	16,526,341
Amortization of deferred amounts on refunding, net	<u>21,212</u>	<u>21,212</u>
Total operating expenses	<u>\$ 60,995,850</u>	<u>\$ 59,569,502</u>

Total operating expenses increased \$1,426,348 from 2015. Salaries and Benefits decreased \$213,072 or 1%. Operations and Maintenance expense totaled \$11,700,159, down \$1,773,207 or 13.2% compared to 2015. This is largely due to the unusual amount of emergency repair work related to the high number of frozen services during the winter of 2015, which did not occur in 2016. General and administrative expenses increased \$2,212,106 from 2015. Much of this is due to the expense resulting from the increase in the Authority's share of the NYS Retirement System's net pension liability, as required by the implementation of GASB 68 and 71 and an increase in the valuation of Other Post-Employment Benefits (OPEB). City contract – capital is the Authority's share of capital projects outlined in the 2011 Exchange Agreement for Water Supply with the City of Rochester and did not change for 2016.

Non-Operating Revenue (Expenses)

The Authority's non-operating revenue (expenses) is composed of the following:

	<u>2016</u>	<u>2015</u>
Non-operating revenue (expenses):		
Federal interest subsidy	\$ 1,865,136	\$ 1,851,784
Interest earnings	145,689	98,093
Interest expense	(7,509,017)	(7,610,335)
Loss on disposal of capital assets	(479,254)	(200,389)
Realized and unrealized gains on investments, net	<u>18,859</u>	<u>17,847</u>
Total non-operating revenue (expenses), net	<u>\$ (5,958,587)</u>	<u>\$ (5,843,000)</u>

DEBT ADMINISTRATION

Water Revenue Bonds

As of December 31, 2016, the Authority has six water revenue bond series outstanding totaling \$139,005,000. In 2015, the NYS Environmental Facilities Corporation (EFC) refinanced its 2007 Series bonds. The Authority's 2007 Series bonds, a part of the EFC 2007 financing, remained intact with the Authority receiving its share of the interest savings through credits from EFC at the time of debt service payments. The 2007 Series bonds continue to be payable by Genesee County to the Authority under the terms of the Construction Services Agreement between Genesee County and the Authority dated May 24, 2000.

Monroe County Water Authority <u>Bond Series</u>	Bonds Outstanding as of December <u>2016</u>	Bonds Outstanding as of December <u>2015</u>	Principal Due <u>2017</u>
1993 Series B Refunding	\$ -	\$ 825,000	\$ -
2007 Series Refunding	15,290,000	15,860,000	575,000
2010 Series	7,620,000	8,635,000	1,055,000
2010A Series	1,250,000	1,585,000	1,250,000
2010B Series	92,915,000	92,915,000	-
2012 Series	5,805,000	5,975,000	175,000
2013 Series	<u>16,125,000</u>	<u>16,595,000</u>	<u>475,000</u>
Total	<u>\$ 139,005,000</u>	<u>\$ 142,390,000</u>	<u>\$ 3,530,000</u>

Obligations under Capital Lease

The Authority entered into an agreement with Monroe County, dated November 18, 1969, in which Monroe County agreed to finance, and the Authority agreed to construct and pay for, certain improvements within Monroe County. Improvements constructed under this agreement are owned by Monroe County but leased to the Authority. The Authority operates these leased facilities with all the responsibilities of ownership. There remains \$1,268,039 of principal and interest outstanding which the Authority is required to pay.

<u>County of Monroe Bond Series</u>	Bonds Outstanding as of December <u>2016</u>	Bonds Outstanding as of December <u>2015</u>	Principal Due <u>2017</u>
1996 Series A Refunding	\$ 936,719	\$ 1,212,056	\$ 293,783
2008 Series C Refunding	<u>240,000</u>	<u>505,000</u>	<u>240,000</u>
Total	<u>\$ 1,176,719</u>	<u>\$ 1,717,056</u>	<u>\$ 533,783</u>

Credit Ratings

The Authority is the recipient of very favorable credit ratings from both Moody's Investors Service and Standard & Poor's. The Authority has an Aa2 rating assigned to its revenue bonds by Moody's Investors Service and an AA+ rating by Standard & Poor's. The Authority's bond ratings were last reviewed by Moody's Investor Service and by Standard & Poor's in December of 2012. The Authority issues revenue bonds subject to its Master Trust Indenture dated October 1, 1991 and Supplemental Indentures issued with, and specific to, each subsequent revenue bond issue.

ECONOMIC FACTORS AND NEXT YEAR'S GOALS

The Authority continues to develop the necessary infrastructure and operational practices to meet its short and long-term plans while ensuring quality customer service is provided and competitive rates are being maintained.

In 2017, the Authority intends to spend approximately \$14 million for capital improvements, including the following major projects.

- Water Main Rehabilitation and Replacements
- Switchgear Replacements
- Tank Painting and Rehabilitation
- Meter Replacements
- Service Replacements

The Authority believes it possesses the financial and leadership capabilities to accomplish its goals during the upcoming year.

Request for Information

This financial report is designed to provide a general overview of the Authority's finances for all those interested. Questions concerning any of the information provided in this report or requests for additional information should be addressed in writing to the Director of Finance & Business Services, Monroe County Water Authority, 475 Norris Drive, Rochester, New York, 14610 or by email to kathy.prestidge@mcwa.com.

MONROE COUNTY WATER AUTHORITY
(A Discretely Presented Component Unit of the County of Monroe, New York)

STATEMENT OF NET POSITION
DECEMBER 31, 2016
(With Comparative Totals for 2015)

	<u>2016</u>	<u>2015</u>
ASSETS		
CURRENT ASSETS:		
Cash and cash equivalents	\$ 53,675,821	\$ 48,216,219
Accounts receivable	5,487,770	5,238,188
Accrued unbilled revenue	7,120,000	6,720,000
Materials and supplies	1,472,977	1,742,528
Prepayments and other current assets	<u>1,108,881</u>	<u>1,603,463</u>
Total current assets	<u>68,865,449</u>	<u>63,520,398</u>
OTHER ASSETS:		
Capital assets -		
Nondepreciable	13,079,316	26,874,262
Depreciable, net	403,849,356	387,741,072
Funds held by trustee -		
Capital improvement fund	4,193,221	5,158,674
New construction fund	<u>13,421,936</u>	<u>16,735,947</u>
Total other assets	<u>434,543,829</u>	<u>436,509,955</u>
RESTRICTED ASSETS:		
Debt service fund held by trustee	-	114,013
Debt service reserve held by trustee	<u>3,195,688</u>	<u>3,243,694</u>
Total restricted assets	<u>3,195,688</u>	<u>3,357,707</u>
Total assets	<u>506,604,966</u>	<u>503,388,060</u>
DEFERRED OUTFLOWS OF RESOURCES		
Pension related - ERS	10,642,540	3,081,602
Deferred amounts on refunding water revenue and capital lease bonds	<u>350,570</u>	<u>453,652</u>
Total deferred outflows of resources	<u>10,993,110</u>	<u>3,535,254</u>
LIABILITIES		
CURRENT LIABILITIES:		
Current portion of water revenue bonds	3,530,000	3,385,000
Current portion of obligations under capital leases	533,783	540,337
Accounts payable and other liabilities	4,042,748	7,054,656
Accrued payroll and benefits	4,848,118	4,799,524
Accrued interest on water revenue and capital lease bonds	<u>2,974,120</u>	<u>2,996,353</u>
Total current liabilities	<u>15,928,769</u>	<u>18,775,870</u>
OTHER LIABILITIES:		
Water revenue bonds, net of bond premium of \$1,219,547 and \$1,301,417 for 2016 and 2015, respectively	136,694,547	140,306,417
Obligations under capital leases	642,936	1,176,719
Net pension liability - ERS	9,693,114	2,021,835
Other postemployment benefit obligations	<u>19,934,946</u>	<u>16,642,068</u>
Total other liabilities	<u>166,965,543</u>	<u>160,147,039</u>
Total liabilities	<u>182,894,312</u>	<u>178,922,909</u>
DEFERRED INFLOWS OF RESOURCES		
Pension related - ERS	<u>1,148,957</u>	-
Total deferred inflows of resources	<u>1,148,957</u>	-
NET POSITION		
NET INVESTMENT IN CAPITAL ASSETS	274,888,354	268,859,780
RESTRICTED	3,195,688	3,357,707
UNRESTRICTED	<u>55,470,765</u>	<u>55,782,918</u>
Total net position	<u>\$ 333,554,807</u>	<u>\$ 328,000,405</u>

The accompanying notes are an integral part of these statements.

MONROE COUNTY WATER AUTHORITY

(A Discretely Presented Component Unit of the County of Monroe, New York)

**STATEMENT OF REVENUE, EXPENSES AND CHANGE IN NET POSITION
FOR THE YEAR ENDED DECEMBER 31, 2016**

(With Comparative Totals for 2015)

	<u>2016</u>	<u>2015</u>
OPERATING REVENUE:		
Water sales - residential	\$ 53,741,425	\$ 48,987,079
Water sales - industrial/commercial	5,901,460	5,308,211
Water sales - water district	3,205,667	2,829,711
Other water revenue	4,258,738	4,116,154
Other operating revenue	<u>621,826</u>	<u>740,887</u>
Total operating revenue	<u>67,729,116</u>	<u>61,982,042</u>
OPERATING EXPENSES:		
Salaries and fringe benefits	21,464,226	21,677,298
Operations and maintenance	11,700,159	13,473,366
General and administrative	9,840,391	7,628,285
City contract - capital	243,000	243,000
Depreciation and amortization	17,726,862	16,526,341
Amortization of deferred amounts on refunding, net	<u>21,212</u>	<u>21,212</u>
Total operating expenses	<u>60,995,850</u>	<u>59,569,502</u>
Total operating income	<u>6,733,266</u>	<u>2,412,540</u>
NON-OPERATING REVENUE (EXPENSES):		
Federal interest subsidy	1,865,136	1,851,784
Interest earnings	145,689	98,093
Interest expense	(7,509,017)	(7,610,335)
Loss on disposal of capital assets	(479,254)	(200,389)
Unrealized and realized gains on investments, net	<u>18,859</u>	<u>17,847</u>
Total non-operating expenses, net	<u>(5,958,587)</u>	<u>(5,843,000)</u>
GAIN (LOSS) BEFORE CAPITAL CONTRIBUTIONS	<u>774,679</u>	<u>(3,430,460)</u>
CAPITAL CONTRIBUTIONS:		
Developers and customers	<u>4,779,723</u>	<u>3,785,445</u>
Total capital contributions	<u>4,779,723</u>	<u>3,785,445</u>
CHANGE IN NET POSITION	<u>5,554,402</u>	<u>354,985</u>
NET POSITION - beginning of year, as previously reported	328,000,405	327,374,651
CUMULATIVE EFFECT OF CHANGE IN ACCOUNTING PRINCIPLE (NOTE 3)	<u>-</u>	<u>270,769</u>
NET POSITION - beginning of year, as restated	<u>328,000,405</u>	<u>327,645,420</u>
NET POSITION - end of year	<u>\$ 333,554,807</u>	<u>\$ 328,000,405</u>

The accompanying notes are an integral part of these statements.

MONROE COUNTY WATER AUTHORITY

(A Discretely Presented Component Unit of the County of Monroe, New York)

STATEMENT OF CASH FLOWS**FOR THE YEAR ENDED DECEMBER 31, 2016**

(With Comparative Totals for 2015)

	<u>2016</u>	<u>2015</u>
CASH FLOW FROM OPERATING ACTIVITIES:		
Receipts from customers	\$ 67,143,219	\$ 61,866,634
Payments to suppliers	(24,095,010)	(20,461,848)
Payments to employees	<u>(16,863,456)</u>	<u>(18,768,054)</u>
Net cash flow from operating activities	<u>26,184,753</u>	<u>22,636,732</u>
CASH FLOW FROM CAPITAL AND RELATED FINANCING		
ACTIVITIES:		
Withdrawals from (deposits) into funds held by trustee	-	59,418
Withdrawals from (deposits) into restricted for capital projects	-	55,375
Withdrawals from funds held by trustee	4,441,483	4,859,703
Purchases of capital assets	(15,853,762)	(18,940,592)
Proceeds from disposal of capital assets	114,031	207,585
Federal interest subsidy	1,865,136	1,851,784
Proceeds from water revenue bond issuance	-	16,425,000
Repayments and redemptions of water revenue bonds	(3,385,000)	(19,375,341)
Repayments of obligations under capital leases	(540,337)	(534,873)
Interest paid	<u>(7,531,250)</u>	<u>(7,676,876)</u>
Net cash flow from capital and related financing activities	<u>(20,889,699)</u>	<u>(23,068,817)</u>
CASH FLOW FROM INVESTING ACTIVITIES:		
Interest received	145,689	98,093
Gains (losses) on investments	<u>18,859</u>	<u>17,847</u>
Net cash flow from investing activities	<u>164,548</u>	<u>115,940</u>
NET CHANGE IN CASH AND CASH EQUIVALENTS	5,459,602	(316,145)
CASH AND CASH EQUIVALENTS - beginning of year	<u>48,216,219</u>	<u>48,532,364</u>
CASH AND CASH EQUIVALENTS - end of year	<u>\$ 53,675,821</u>	<u>\$ 48,216,219</u>
RECONCILIATION OF OPERATING INCOME TO		
NET CASH FLOW FROM OPERATING ACTIVITIES:		
Operating income	\$ 6,733,266	\$ 2,412,540
Adjustments to reconcile operating income		
to net cash flow from operating activities:		
Depreciation and amortization	17,748,074	16,547,553
Bad debt expense (recovery)	(13,608)	27,154
Pension items - ERS	1,259,298	(788,998)
Changes in:		
Accounts receivable	(235,974)	30,253
Accrued unbilled revenue	(400,000)	(215,000)
Materials and supplies	269,551	(87,245)
Prepayments and other current assets	494,582	(141,130)
Accounts payable and other liabilities	(3,061,985)	1,873,022
Accrued payroll and benefits	48,594	(215,601)
Other postemployment benefit obligations	3,292,878	3,124,845
Customer deposits	<u>50,077</u>	<u>69,339</u>
Net cash flow from operating activities	<u>\$ 26,184,753</u>	<u>\$ 22,636,732</u>
NON-CASH CAPITAL FINANCING ACTIVITY:		
Capital assets received directly from developers and customers	<u>\$ 4,779,723</u>	<u>\$ 3,785,445</u>

The accompanying notes are an integral part of these statements.

MONROE COUNTY WATER AUTHORITY
(A Discretely Presented Component Unit of the County of Monroe, New York)

NOTES TO BASIC FINANCIAL STATEMENTS

DECEMBER 31, 2016

(With Comparative Totals for 2015)

1. ORGANIZATION

Monroe County Water Authority (the Authority), a discretely presented component unit of the County of Monroe, New York (the County), is a public benefit corporation organized under the Public Authorities Law of the State of New York. The Authority was created to finance, construct, operate and maintain a water supply and distribution system for the benefit of the residents of the County and the State of New York.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The Authority's financial statements are prepared in conformity with accounting principles generally accepted in the United States as set forth by the Governmental Accounting Standards Board (GASB) for proprietary funds.

Basis of Presentation

GASB requires the classification of net position into three categories defined as follows:

- Net investment in capital assets - This component of net position consists of capital assets, net of accumulated depreciation and amortization, reduced by the outstanding balances of any bonds, mortgages, notes, or other borrowings that are attributable to the acquisition, construction, or improvement of those assets. If there are significant unspent capital-related debt proceeds at year-end, the portion of the debt attributable to the unspent proceeds is not included in the calculation of net investment in capital assets. Rather, that portion of the debt is included in the same net position component as the unspent proceeds.
- Restricted net position - This component of net position consists of amounts which have external constraints placed on its use imposed by creditors (such as through debt covenants), grantors, contributors, or laws or regulations of other governments or constraints imposed by law through constitutional provisions or enabling legislation.
- Unrestricted net position - This component consists of net position that does not meet the definition of "net investment in capital assets," or "restricted."

When both restricted and unrestricted resources are available for use, it is the Authority's policy to use restricted resources first, and then unrestricted resources as they are needed.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Cash and Cash Equivalents

For purposes of presenting the statement of cash flows, the Authority considers all highly liquid short-term investments with a maturity of three months or less from year-end to be cash or cash equivalents.

Accounts Receivable

Accounts receivable consists of fees for services for water charges due from individuals, businesses, and other governments. Accounts receivable are carried on the balance sheet at net realizable value. The Authority has elected to record bad debts using the direct write-off method. Generally accepted accounting principles require the allowance method be used to recognize bad debts; however, the effect of using the direct write-off method is not materially different from the results that would have been obtained under the allowance method.

Accrued Unbilled Revenues

Accrued unbilled revenues represent revenue earned in the current year but not billed to customers until future dates, usually within three months, and is an estimate made by management using historical trends.

Materials and Supplies - Inventory

Materials and supplies are stated at cost and are determined using a weighted-average method.

Capital Assets

Capital assets are stated at cost. Depreciation and amortization are provided using the straight-line method over the following estimated useful lives or lease term if shorter:

Production and distribution system	5 - 40 years
Water facility capital lease	5 - 25 years
Water rights	40 years
Pipelines and district facilities	40 years
Meters and distribution services	25 - 40 years
Automotive and construction equipment	5 years
Land improvements	10 - 20 years
Furniture, fixtures and other equipment	5 - 15 years

Improvements, renewals and significant repairs over \$5,000 that extend the life of the asset are capitalized; other repairs and maintenance costs are expensed as incurred. When assets are retired or otherwise disposed of, the related asset and accumulated depreciation is written off and any unrelated gains or losses are recorded.

Funds Held by Trustee

Funds held by Bank of New York (the Trustee) consist of fixed income United States Government securities. The Authority reports these items at fair value based on quoted market prices. These funds are required to be held in accordance with the trust indentures for the water revenue bonds as described in Note 8.

Accrued Payroll and Benefits

It is the Authority's policy to record employee benefits, including accumulated vacation and sick leave, as a current liability in accounts payable and other liabilities on the statement of net position. The Authority's employees are granted vacation and sick leave in varying amounts based on the underlying employee contracts.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Other Postemployment Benefits

The Authority provides certain health care benefits to its retired employees in accordance with the provisions of employment contracts.

Unamortized Bond Premium

Bond premium related to the issuance of debt obligations is amortized over the term of the respective bond issues and capital leases.

Deferred Outflows and Inflows of Resources

In addition to assets, the Statement of Net Position will sometimes report a separate section for deferred outflows/inflows of resources. This separate financial statement element, *deferred outflows of resources*, represents a consumption of net position that applies to a future period and so will not be recognized as an outflow of resources (expense) until then. The separate financial statement element, *deferred inflows of resources*, represents an acquisition of net position that applies to a future period and so will not be recognized as an inflow of resources (revenue) until then. The Authority reports deferred amounts on refunding of capital leases and water revenue bonds, as well as amounts relating to the New York State Employees' Retirement System in this category.

Revenue Recognition

Revenues from water sales are recognized at the time of service delivery based on actual or estimated water meter readings.

Operating and Non-Operating Revenues and Expenses

Operating revenue consists of water revenue and other related revenue. The Authority defines non-operating revenue as interest earnings on investment assets and realized/unrealized gains or losses on sales of investments. Non-operating expenses are defined as interest expense on long-term debt and gains/losses on disposals of capital assets. The Authority also receives Federal interest subsidies which are considered non-operating revenue.

Capital Contributions from Developers and Customers

Capital contributions from developers and customers represent amounts for betterments or additions to capital assets that have been contributed to the Authority.

Income Tax Status

As a public benefit corporation, the Authority is exempt from federal and state income taxes, as well as state and local property and sales taxes.

Estimates

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

Comparative Information

The financial statements include certain prior-year summarized comparative information in total but not in the same detail used for the current year presentation. Such information does not include sufficient detail to constitute a presentation in conformity with accounting principles generally accepted in the United States. Accordingly, such information should be read in conjunction with the Authority's financial statements for the year ended December 31, 2015, from which the summarized information was obtained.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Reclassifications

Certain reclassifications have been made to the December 31, 2015 financial statement presentation to correspond with the current year's format. Net Position and changes in net position are unchanged due to these reclassifications.

3. CUMULATIVE EFFECT OF CHANGE IN ACCOUNTING PRINCIPLE

The Authority adopted GASB Statement No. 68, *Accounting and Financial Reporting for Pensions – an amendment of GASB Statement No. 27* and GASB Statement No. 71, *Pension Transition for contributions made subsequent to the measurement date – an amendment of GASB Statement No. 68* for the year ended December 31, 2015. Statement No. 68 and Statement No. 71 established accounting and financial reporting requirements related to pensions for governments whose employees are provided with pensions through pension plans that are covered by the scope of Statement No. 68 and Statement No. 71, as well as for non-employer governments that have a legal obligation to contribute to those plans. Accordingly, Beginning Net Position and Net Pension Liability (Asset) on the Statement of Net Position was adjusted as noted in the following table:

	Statement of Net Position		
	Net Pension Liability	Deferred Outflow s	Net Position
Balance at December 31, 2014, as previously reported	\$ -	\$ -	\$ 327,374,651
Restatement of beginning balance - Adoption of GASB Statements No. 68 and No. 71			
Contributions subsequent to measurement date	-	2,975,247	2,975,247
NYS Employees' Retirement System Plan	(2,704,478)	-	(2,704,478)
	<u>(2,704,478)</u>	<u>2,975,247</u>	<u>270,769</u>
Balance at December 31, 2014, as restated	<u>\$ (2,704,478)</u>	<u>\$ 2,975,247</u>	<u>\$ 327,645,420</u>

4. WATER AGREEMENT

The Authority and the City of Rochester, New York (the City) entered into an agreement in 2011 that provides for the exchange of water between the two entities at a fixed rate that is established annually based on the weighted average cost of each entity's typical residential customer. Authority consumption of the City's water is offset against the City's consumption of the Authority's water with the net consumption charged at the annual exchange rate. For the years ended December 31, 2016 and 2015, the Authority had net purchases from the City of \$1,324,374 and \$1,014,958, respectively.

5. DEPOSITS WITH FINANCIAL INSTITUTIONS AND INVESTMENTS

The guidelines established by the Authority permit the investment of funds held by the Authority, and funds held in trust for the Authority, to be invested in accordance with New York State Public Authorities Law. Investments must be in the form of obligations of the State of New York, or in general obligations of its political subdivisions; obligations of the United States or its agencies whose principal and interest payments are fully guaranteed by the federal government; and in collateralized time deposits or certificates of deposit issued by a commercial bank or trust company, which is a member of the Federal Deposit Insurance Corporation (FDIC). The Authority's investment policy limits its deposit and investment activity to time deposits, demand deposits, certificates of deposit, United States Government obligations and repurchase agreements.

The Authority's investment policy requires its deposits and investments, not controlled by the Trustee, to be 100% collateralized through federal deposit insurance or other obligations. Obligations that may be pledged as collateral are obligations of, or guaranteed by, the United States or the State of New York. Collateral must be delivered to the Authority or an authorized custodial bank. In addition, the Authority's investment policy includes the following provisions for credit risk and custodial credit risk (as defined below):

- Custodial credit risk
 - For cash deposits or investments, custodial credit risk is the risk that, in the event of the failure of the counterparty, the Authority will not be able to recover the value of its investments or collateral securities that are in the possession of an outside party.
 - The Authority limits its investments (other than United States securities held by the Trustee) at any financial institution to 1% of such institution's total assets.
 - Any financial institution in which the Authority invests funds must have in excess of \$50,000,000 in capital stock and retained earnings and the Authority limits its investments (other than United States securities held by the Trustee) at these institutions to 5% of the total capital stock and retained earnings.
- Credit risk
 - The Authority limits its investments in money market funds to those with the highest short-term or long-term rating by at least one nationally recognized rating agency. In 2016, the Authority did not hold any investments in money market funds. The money market funds detailed in this section are used as savings accounts by the Authority and these accounts are classified as cash and cash equivalents and not investments.

As of December 31, 2016 and 2015, the Authority's deposits and investments in various banks are detailed on the following page.

5. DEPOSITS WITH FINANCIAL INSTITUTIONS AND INVESTMENTS (Continued)

Total deposits of cash and cash equivalents, marketable securities and related collateral, included in cash and cash equivalents and marketable securities, not controlled by the Trustee (including certificates of deposit and money market funds) are as follows for the years ended December 31:

	2016	
	Carrying <u>Amount</u>	Bank <u>Balance</u>
Demand deposits	\$ 3,866,054	\$ 3,866,054
Time deposits	<u>49,809,767</u>	<u>50,712,281</u>
Total cash and investments	<u>\$ 53,675,821</u>	<u>\$ 54,578,335</u>
Insured cash - FDIC		\$ 889,185
Uninsured - collateralized with securities held by pledging financial institution		<u>55,917,123</u>
Total insured and collateralized cash and cash equivalents		<u>\$ 56,806,308</u>

	2015	
	Carrying <u>Amount</u>	Bank <u>Balance</u>
Demand deposits	\$ 897,229	\$ 897,229
Time deposits	<u>47,318,990</u>	<u>48,100,433</u>
Total cash and investments	<u>\$ 48,216,219</u>	<u>\$ 48,997,662</u>
Insured cash - FDIC		\$ 751,001
Uninsured - collateralized with securities held by pledging financial institution		<u>50,336,977</u>
Total insured and collateralized cash and cash equivalents		<u>\$ 51,087,978</u>

5. DEPOSITS WITH FINANCIAL INSTITUTIONS AND INVESTMENTS (Continued)

Total cash and cash equivalents and marketable securities by type as of December 31, including certificates of deposit controlled by the Trustee and reported in 'Capital improvement fund', 'New construction fund', and 'Restricted Assets' in the accompanying financial statements, are as follows:

	<u>2016</u>	<u>2015</u>
United States Treasury obligations	\$ 5,044,355	\$ 6,088,889
United States Treasury bills	15,763,351	19,148,328
Money market funds	48,203,095	42,968,463
Cash	<u>5,475,865</u>	<u>5,262,867</u>
	<u>\$ 74,486,666</u>	<u>\$ 73,468,547</u>

United States Treasury obligations and United States Treasury bills are considered level 1 investments. 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.

The Authority has the following recurring fair value measurements as of December 31, 2016 and 2015:

- U.S. Treasury securities of \$21 and \$25 million, respectively are valued using quoted market prices (Level 1 inputs).

The following deposits and investments, excluding amounts controlled by the Trustee, held with one financial institution represent five percent or more of the Authority's total deposits and investments at either December 31, 2016 and 2015, or both:

	<u>2016</u>	<u>2015</u>
M&T Bank	\$ 45,821,506	\$ 36,820,842
Key Bank (previously First Niagara Bank)	\$ 7,830,767	\$ 11,384,341

6. CAPITAL ASSETS

Capital asset activity for the year ended December 31, 2016 was as follows:

	Balance January 1, 2016	Additions	Transfers	Disposals	Balance December 31, 2016
Land and easements	\$ 10,155,771	\$ -	\$ 187,202	\$ -	\$ 10,342,973
Construction-in-progress	16,718,491	16,621,128	(30,603,276)	-	2,736,343
Total non-depreciable assets	<u>\$ 26,874,262</u>	<u>\$ 16,621,128</u>	<u>\$ (30,416,074)</u>	<u>\$ -</u>	<u>\$ 13,079,316</u>
Land improvements	\$ 7,618,352	\$ -	\$ 108,053	\$ (21,128)	\$ 7,705,277
Production and distribution	228,593,694	-	12,210,682	(2,168,393)	238,635,983
Pipelines and district facilities	279,240,755	2,586,924	12,895,453	-	294,723,132
Meters and services	83,322,757	1,425,433	4,278,042	(676,585)	88,349,647
Automotive and construction	7,610,555	-	465,680	(440,050)	7,636,185
Water facility capital lease	78,056,980	-	-	-	78,056,980
Furniture, fixtures and other	2,502,006	-	458,164	(58,781)	2,901,389
Total at cost	<u>686,945,099</u>	<u>4,012,357</u>	<u>30,416,074</u>	<u>(3,364,937)</u>	<u>718,008,593</u>
Less: Accumulated					
Land improvements	(1,624,581)	(295,272)	-	15,287	(1,904,566)
Production and distribution	(71,859,063)	(7,482,358)	-	1,800,843	(77,540,578)
Pipelines and district facilities	(109,273,023)	(6,466,022)	-	-	(115,739,045)
Meters and services	(33,376,634)	(2,281,361)	-	562,444	(35,095,551)
Automotive and construction	(4,263,310)	(548,500)	-	336,053	(4,475,757)
Water facility capital lease	(77,151,396)	(406,426)	-	-	(77,557,822)
Furniture, fixtures and other	(1,656,020)	(246,923)	-	57,025	(1,845,918)
Total accumulated	<u>(299,204,027)</u>	<u>(17,726,862)</u>	<u>-</u>	<u>2,771,652</u>	<u>(314,159,237)</u>
Total depreciable assets - net	<u>\$ 387,741,072</u>	<u>\$ (13,714,505)</u>	<u>\$ 30,416,074</u>	<u>\$ (593,285)</u>	<u>\$ 403,849,356</u>

6. CAPITAL ASSETS (Continued)

Capital asset activity for the year ended December 31, 2015 was as follows:

	Balance January 1, 2015	Additions	Transfers	Disposals	Balance December 31, 2015
Land and easements	\$ 9,917,487	\$ -	\$ 238,284	\$ -	\$ 10,155,771
Construction-in-progress	21,728,234	19,443,101	(24,452,844)	-	16,718,491
Total non-depreciable assets	<u>\$ 31,645,721</u>	<u>\$ 19,443,101</u>	<u>\$ (24,214,560)</u>	<u>\$ -</u>	<u>\$ 26,874,262</u>
Land improvements	\$ 7,593,802	\$ -	\$ 24,550	\$ -	\$ 7,618,352
Production and distribution	224,321,035	-	5,028,570	(755,911)	228,593,694
Pipelines and district facilities	262,975,888	1,850,369	14,415,472	(974)	279,240,755
Meters and services	78,678,930	1,432,567	3,772,673	(561,413)	83,322,757
Automotive and construction	7,515,023	-	851,095	(755,563)	7,610,555
Water facility capital lease	78,056,980	-	-	-	78,056,980
Furniture, fixtures and other	2,433,600	-	122,200	(53,794)	2,502,006
Total at cost	<u>661,575,258</u>	<u>3,282,936</u>	<u>24,214,560</u>	<u>(2,127,655)</u>	<u>686,945,099</u>
Less: Accumulated					
Land improvements	(1,328,020)	(296,561)	-	-	(1,624,581)
Production and distribution	(65,661,175)	(6,936,557)	-	738,669	(71,859,063)
Pipelines and district facilities	(103,414,430)	(5,859,567)	-	974	(109,273,023)
Meters and services	(31,597,003)	(2,130,146)	-	350,515	(33,376,634)
Automotive and construction	(4,244,135)	(594,903)	-	575,728	(4,263,310)
Water facility capital lease	(76,661,688)	(489,708)	-	-	(77,151,396)
Furniture, fixtures and other	(1,490,916)	(218,899)	-	53,795	(1,656,020)
Total accumulated	<u>(284,397,367)</u>	<u>(16,526,341)</u>	<u>-</u>	<u>1,719,681</u>	<u>(299,204,027)</u>
Total depreciable assets - net	<u>\$ 377,177,891</u>	<u>\$ (13,243,405)</u>	<u>\$ 24,214,560</u>	<u>\$ (407,974)</u>	<u>\$ 387,741,072</u>

7. CAPITAL LEASES

The Authority and the County entered into an agreement in 1969 which provides for the Authority, as agent of the County, to plan, construct, operate, manage, repair and maintain certain water facilities owned by the County and primarily financed through County bond issues. These water facilities are leased to the Authority, which, along with capital assets owned by the Authority, become an integrated water system.

These leases are defined as capital leases and the related facilities are recorded as an asset that is generally amortized over the term of the lease or the related bond issue, whichever is shorter. The lease obligation is shown as a liability with the related interest expense reported as non-operating expenses.

Water facilities under capital leases that are included within capital assets as of December 31 are as follows:

	<u>2016</u>	<u>2015</u>
Completed water facilities	\$ 78,056,980	\$ 78,056,980
Less: Accumulated amortization	<u>(77,557,822)</u>	<u>(77,151,396)</u>
	<u>\$ 499,158</u>	<u>\$ 905,584</u>

Amortization expense related to water facilities under capital leases was \$406,426 and \$489,708 for the years ended December 31, 2016 and 2015, respectively.

At December 31, 2016 and 2015, the amount of the County bonds outstanding is included in obligations under capital leases. The expended portion of the bond proceeds is included in water facilities under capital leases.

The County issued \$51,005,000 in general obligation refunding bonds in 2004, of which \$5,964,830 refunded the County's 1993 Revenue Bonds. This resulted in a deferred loss on refunding of \$185,170 and an interest savings of approximately \$585,000 to the Authority. The excess of the reacquisition price over the net carrying amount of the refunded bonds, or a deferred loss, in the amount of \$185,170 was deferred and amortized over the term of the new bonds using the straight-line method through 2014.

In 2008, the County issued \$2,570,000 in general obligation refunding bonds, which refunded the remaining 1996C bonds. This resulted in a deferred loss on refunding of \$30,000 and, along with the remaining unamortized gain on the previous refunding, was amortized over the term of the new bond using the straight-line method through 2014. This refunding resulted in approximately \$125,000 of interest savings over the life of the bond.

7. CAPITAL LEASES (Continued)

Long-term capital lease activity for the year ended December 31, 2016 was as follows:

	Beginning Balance	Increases	Decreases	Due Within One Year	Due After One Year
County bonds issued in 1996 Series A as part of the refunding that mature annually ranging from \$293,000 to \$331,000 from 2017 to 2019 bearing interest ranging from 3.37% to 5.47%	\$ 1,212,056	\$ -	\$ (275,337)	\$ (293,783)	\$ 642,936
County bonds issued in 2008 Series C as part of the Series 1996C refunding that matures at \$240,000 in 2017 bearing interest of 3.75%.	505,000	-	(265,000)	(240,000)	-
Long-term capital lease liabilities	<u>\$ 1,717,056</u>	<u>\$ -</u>	<u>\$ (540,337)</u>	<u>\$ (533,783)</u>	<u>\$ 642,936</u>

Long-term capital lease activity for the year ended December 31, 2015 was as follows:

	Beginning Balance	Increases	Decreases	Due Within One Year	Due After One Year
County bonds issued in 1996 Series A as part of the refunding that mature annually ranging from \$275,000 to \$331,000 from 2016 to 2019 bearing interest ranging from 3.37% to 5.47%	\$ 1,471,929	\$ -	\$ (259,873)	\$ (275,337)	\$ 936,719
County bonds issued in 2008 Series C as part of the Series 1996C refunding that mature annually ranging from \$240,000 to \$265,000 from 2016 to 2017 bearing interest from 3.75% to 4%	780,000	-	(275,000)	(265,000)	240,000
Long-term capital lease liabilities	<u>\$ 2,251,929</u>	<u>\$ -</u>	<u>\$ (534,873)</u>	<u>\$ (540,337)</u>	<u>\$ 1,176,719</u>

The following is a schedule of the future minimum lease payments under the capital leases as of December 31, 2016:

	Principal	Interest	Total
2017	\$ 533,783	\$ 52,190	\$ 585,973
2018	312,240	29,209	341,449
2019	<u>330,696</u>	<u>9,921</u>	<u>340,617</u>
	<u>\$ 1,176,719</u>	<u>\$ 91,320</u>	<u>\$ 1,268,039</u>

8. WATER REVENUE BONDS

The Authority has entered into Trust Indentures under which all outstanding bonds have been issued. The Trust Indentures pledge all revenues and other income collected by the Authority for payment of principal and interest on the bonds. The Trust Indentures also generally require establishment of a trust fund called "the water system revenue fund," for which the Authority acts as a trustee, into which all revenue is to be deposited, as well as a debt service reserve fund under which the Authority is required to maintain deposit amounts sufficient to cover the annual debt service or provide a surety bond (as defined in the Trust Indentures) of its bonds. The Authority covenants in its indenture that it will establish water rates sufficient to cover the sum of: (1) 1.2 times debt service, (2) expenses of operating, maintaining, renewing and replacing the water system and maintaining the debt service reserve fund, and (3) any additional amounts required to pay all other charges payable from the Authority's revenue. As of December 31, 2016 and 2015, the Authority is in compliance with its financial covenants.

The balance of the 1993 Series B bonds was repaid in 2016 by the County to the Authority under the terms of the Construction Services Agreement between the County and the Authority dated December 21, 1990.

The Authority issued 2001 series bonds in the amount of \$20,000,000 which is entirely payable by Genesee County to the Authority under the terms of the Construction Services Agreement between Genesee County and the Authority dated May 24, 2000. The first principal payment on the 2001 Series was made in 2006. During 2007, the bonds were advance refunded by the Authority on behalf of Genesee County with the issuance of the Series 2007 Bonds.

In 2015, the New York State Environmental Facilities Corporation (EFC) refinanced its 2007 series bonds, which included bonds issued for the Authority. The Authority's portion of the bond, \$16,425,000, was part of the EFC issue of \$367,455,000 State Clean Water & Drinking Water Revolving Fund Revenue Bonds Series 2015D, dated August 13, 2015. The Authority's 2007 series bonds, which were part of the original EFC 2007 financing, remained intact with the Authority receiving its share of the interest savings through credits from EFC at the time of debt service payments. This refinancing and its associated costs will save Genesee County over \$2,700,000 over the term of the bond. The entire \$16,425,000 continues to be payable by Genesee County to the Authority under the Construction Services Agreement between Genesee County and the Authority dated May 24, 2000. In addition, the bond refunding resulted in present value savings to the Authority of \$1,470,817.

In 2010, the Authority issued the 2010 Series bonds which refunded the 1993 Series A bonds and the 1997 bonds. This refinancing and its associated costs were paid by the Authority and will save the Authority approximately \$773,000 over the term of the bond. In addition, the bond refunding resulted in an economic gain on refunding of \$680,000. The excess of the net carrying amount of the refunded bonds over the reacquisition price in the amount of \$527,039 has been deferred and was allocated between bond premium and deferred gain on refunding and is being amortized over the term of the new bonds using the straight-line method through 2035.

At December 31, 2016 and 2015, approximately \$342,000 and \$485,000, respectively of the deferred amount on refunding was included in deferred outflows of resources on the statement of net position. For the year ended December 31, 2016 and 2015, interest expense was \$7,441,837 and \$7,516,112, respectively on the water revenue bonds. Cash paid for interest was \$7,451,887 and \$7,571,000, during the years ended December 31, 2016 and 2015.

8. WATER REVENUE BONDS (Continued)

Long-term water revenue bond activity for the year ended December 31, 2016 was as follows:

	<u>Beginning Balance</u>	<u>Increases</u>	<u>Decreases</u>	<u>Due Within One Year</u>	<u>Due After One Year</u>
Bonds issued in 1993 Series B that matured in an annual amount of 825,000 in 2016 bearing interest at 5.25%	\$ 825,000	\$ -	\$ (825,000)	\$ -	\$ -
Bonds issued in 2007 as part of refunding that mature in annual amounts ranging from \$575,000 to \$1,115,000 from 2017 to 2036 bearing interest ranging from 4.082% to 4.97%	15,860,000	-	(570,000)	(575,000)	14,715,000
Bonds issued in 2010 as part of refunding that mature in annual amounts ranging from \$205,000 to \$1,230,000 from 2017 to 2035 bearing interest ranging from 3.5% to 4.5%	8,635,000	-	(1,015,000)	(1,055,000)	6,565,000
Bonds issued in 2010 Series A that matures in an annual amount of \$1,250,000 in 2017 bearing interest of 2.6%	1,585,000	-	(335,000)	(1,250,000)	-
Bonds issued in 2010 Series B as part of refunding that mature in annual amounts ranging from \$2,300,000 to \$5,775,000 from 2018 to 2042 bearing interest ranging from 4.49% to 6.34%	92,915,000	-	-	-	92,915,000
Bonds issued in 2012 that mature in annual amounts ranging from \$175,000 to \$410,000 from 2017 to 2037 bearing interest ranging from 3.0% to 5.0%	5,975,000	-	(170,000)	(175,000)	5,630,000
Bonds issued in 2013 that mature in annual amounts ranging from \$475,000 to \$960,000 from 2017 to 2042 bearing interest ranging from 0.2% to 4.69%	16,595,000	-	(470,000)	(475,000)	15,650,000
Add: Bond premium	<u>1,301,417</u>	<u>-</u>	<u>(81,870)</u>	<u>-</u>	<u>1,219,547</u>
Long-term water revenue bond liabilities	<u>\$ 143,691,417</u>	<u>\$ -</u>	<u>\$ (3,466,870)</u>	<u>\$(3,530,000)</u>	<u>\$ 136,694,547</u>

8. WATER REVENUE BONDS (Continued)

Long-term water revenue bond activity for the year ended December 31, 2015 was as follows:

	Beginning <u>Balance</u>	<u>Increases</u>	<u>Decreases</u>	<u>Due Within One Year</u>	<u>Due After One Year</u>
Bonds issued in 1993 Series B that mature in an annual amount of 825,000 in 2016 bearing interest at 5.25%	\$ 1,605,000	\$ -	\$ (780,000)	\$ (825,000)	\$ -
Bonds issued in 2007 as part of refunding that mature in annual amounts ranging from \$570,000 to \$1,115,000 from 2016 to 2036 bearing interest ranging from 4.082% to 4.97%	-	16,425,000	(565,000)	(570,000)	15,290,000
Bonds issued in 2007 as part of refunding that mature in annual amounts ranging from \$565,000 to \$1,115,000 from 2015 to 2036 bearing interest ranging from 4.082% to 4.97%	16,425,000	-	(16,425,000)	-	-
Bonds issued in 2010 as part of refunding that mature in annual amounts ranging from \$205,000 to \$1,230,000 from 2016 to 2035 bearing interest ranging from 3.5% to 4.5%	9,615,000	-	(980,000)	(1,015,000)	7,620,000
Bonds issued in 2010 Series A that mature in annual amounts ranging from \$335,000 to \$1,250,000 from 2016 to 2017 bearing interest ranging from 2.19% to 2.6%	1,585,000	-	-	(335,000)	1,250,000
Bonds issued in 2010 Series B as part of refunding that mature in annual amounts ranging from \$2,300,000 to \$5,775,000 from 2018 to 2042 bearing interest ranging from 4.49% to 6.34%	92,915,000	-	-	-	92,915,000
Bonds issued in 2012 that mature in annual amounts ranging from \$170,000 to \$410,000 from 2016 to 2037 bearing interest ranging from 3.0% to 5.0%	6,135,000	-	(160,000)	(170,000)	5,805,000
Bonds issued in 2013 that mature in annual amounts ranging from \$470,000 to \$960,000 from 2016 to 2042 bearing interest ranging from 0.2% to 4.69%	17,060,341	-	(465,341)	(470,000)	16,125,000
Add: Bond premium	<u>1,383,288</u>	<u>-</u>	<u>(81,871)</u>	<u>-</u>	<u>1,301,417</u>
Long-term water revenue bond liabilities	<u>\$ 146,723,629</u>	<u>\$16,425,000</u>	<u>\$ (19,457,212)</u>	<u>\$ (3,385,000)</u>	<u>\$ 140,306,417</u>

8. WATER REVENUE BONDS (Continued)

The following is a schedule of the future minimum payments under the water revenue bonds as of December 31, 2016:

	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2017	\$ 3,530,000	\$ 7,332,656	\$ 10,862,656
2018	4,375,000	7,217,546	11,592,546
2019	4,860,000	7,058,362	11,918,362
2020	3,925,000	6,866,545	10,791,545
2021	4,035,000	6,717,943	10,752,943
2022 - 2026	22,240,000	30,796,540	53,036,540
2027 - 2031	26,805,000	24,618,506	51,423,506
2032 - 2036	32,375,000	16,723,969	49,098,969
2037 - 2041	30,125,000	7,802,366	37,927,366
2042	<u>6,735,000</u>	<u>418,064</u>	<u>7,153,064</u>
	<u>\$ 139,005,000</u>	<u>\$ 115,552,497</u>	<u>\$ 254,557,497</u>

9. PENSION PLAN

New York State and Local Employees' Retirement System Plan Description

The Authority participates in the New York State Employees' Retirement System (NYERS) also referred to as New York State and Local Retirement System (the System). This is a cost-sharing, multiple employer public employee retirement system, providing retirement benefits as well as death and disability benefits. The net position of the System is held in the New York State Common Retirement Fund (the Fund), established to hold all net position and record changes in plan net position allocated to the System. System benefits are established under the provisions of the New York State Retirement and Social Security Law (NYS RSSL). Once an employer elects to participate in the System, the election is irrevocable. The New York State Constitution provides that pension membership is a contractual relationship and plan benefits cannot be diminished or impaired. Benefits can be changed for future members only by enactment of a State statute. The Authority also participates in the Public Employees' Group Life Insurance Plan (GLIP), which provides death benefits in the form of life insurance. The System is included in the State's financial report as a pension trust fund. That report, including information with regard to benefits provided, may be found at www.osc.state.ny.us/retire/publications/index.php or obtained by writing to the New York State and Local Retirement System, 110 State Street, Albany, New York 12244.

9. PENSION PLAN (Continued)

New York State and Local Employees' Retirement System Plan Description (Continued)

The System is noncontributory for the employees who joined prior to July 27, 1976. For employees who joined the System after July 27, 1976, and prior to January 1, 2010, employees contribute 3% of their salary, except that employees in the System more than ten years are no longer required to contribute. For employees who joined after January 1, 2010 and prior to April 1, 2012, employees in NYSERS contribute 3% of their salary throughout their active membership. For employees who joined after April 1, 2012, employees contribute 3% of their salary until April 1, 2013 and then contribute 3% to 6% of their salary throughout their active membership. The Comptroller annually certifies the actuarially determined rates expressly used in computing the employers' contributions based on salaries paid during the System's fiscal year ending March 31. Contributions for the current year and two preceding years were equal to 100 percent of contributions required, and were as follows:

<u>NYSERS</u>		
2016	\$	2,216,347
2015	\$	2,628,166
2014	\$	2,975,247

\$554,087 of the cash paid for NYSERS during 2016, represents amounts owed for the period of January 1 - March 31, 2017 and is shown as prepayments and other current assets on the accompanying statement of net position.

\$657,042 of the cash paid for NYSERS during 2015, represents amounts owed for the period of January 1 - March 31, 2016 and is shown as prepayments and other current assets on the accompanying statement of net position.

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

At December 31, 2016 and 2015, the Authority reported a net pension liability of \$9,693,114 and \$2,021,835, respectively for its proportionate share of the NYS ERS net pension liability. The net pension liability was measured as of March 31, 2016 and 2015, and the total pension liability used to calculate the net pension liability was determined by the actuarial valuations as of that date. 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 December 31, 2016, the Authority's proportion was .0603922%, which was an increase from .0598487% which was its proportionate share measured at December 31, 2015.

At December 31, 2015, the Authority's proportion was .0598487%, which was an increase from 0% which was its proportionate share measured at December 31, 2014.

9. PENSION PLAN (Continued)

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

For the year ended December 31, 2016, the Authority recognized pension expense of \$3,475,645. At December 31, 2016, the Authority reported deferred outflows/inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	\$ 48,982	\$ 1,148,957
Changes in assumptions	2,584,861	
Net difference between projected and actual earnings on pension plan investments	5,750,487	-
Changes in proportion and differences between the Authority's contributions and proportionate share of contributions	41,863	-
Contributions subsequent to the measurement date	2,216,347	-
Total	<u>\$ 10,642,540</u>	<u>\$ 1,148,957</u>

For the year ended December 31, 2015, the Authority recognized pension expense of \$2,628,166. At December 31, 2015, the Authority reported deferred outflows/inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources
Differences between expected and actual experience	\$ 64,721
Net difference between projected and actual earnings on pension plan investments	351,167
Changes in proportion and differences between the Authority's contributions and proportionate share of contributions	37,548
Contributions subsequent to the measurement date	2,628,166
Total	<u>\$ 3,081,602</u>

9. PENSION PLAN (Continued)

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

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

	<u>2016</u>		<u>2015</u>
Plan's Year Ended March 31:		Plan's Year Ended March 31:	
2017	\$ 1,847,885	2016	\$ 113,359
2018	1,847,885	2017	113,359
2019	1,847,885	2018	113,359
2020	1,733,581	2019	113,359
	<u>\$ 7,277,236</u>		<u>\$ 453,436</u>

The Authority recognized \$2,216,347 as a deferred outflow of resources related to pensions resulting from contributions made subsequent to the measurement date of March 31, 2016 which will be recognized as a reduction of the net pension liability in the year ended December 31, 2017.

The Authority recognized \$2,628,166 as a deferred outflow of resources related to pensions resulting from contributions made subsequent to the measurement date of March 31, 2015 which will be recognized as a reduction of the net pension liability in the year ended December 31, 2016.

Actuarial Assumptions

The total pension liability at March 31, 2016 was determined by using an actuarial valuation as of April 1, 2015, with update procedures used to roll forward the total pension liability to March 31, 2016. The total pension liability for the March 31, 2015 measurement date was determined by using an actuarial valuation as of April 1, 2014, with update procedures to roll forward the total pension liability to March 31, 2015.

The actuarial valuation used the following actuarial assumptions:

Actuarial cost method	Entry age normal
Inflation	2.50%
Salary scale	3.8% indexed by service
Projected COLAs	1.3% compounded annually
Decrement	Developed from the Plan's 2015 experience study of the period April 1, 2010 through March 31, 2015
Mortality improvement	Society of Actuaries Scale MP-2014
Investment Rate of Return	7.0% compounded annually, net of investment expenses

The total pension liability at March 31, 2015 was determined by using an actuarial valuation as of April 1, 2014, with update procedures used to roll forward the total pension liability to March 31, 2015. The total pension liability for the March 31, 2014 measurement date was determined by using an actuarial valuation as of April 1, 2014.

9. PENSION PLAN (Continued)

Actuarial Assumptions (Continued)

The actuarial valuation used the following actuarial assumptions:

Actuarial cost method	Entry age normal
Inflation	2.70%
Salary scale	4.9% indexed by service
Projected COLAs	1.4% compounded annually
Decrement	Developed from the Plan's 2010 experience study of the period April 1, 2005 through March 31, 2010
Mortality improvement	Society of Actuaries Scale MP-2014
Investment Rate of Return	7.5% compounded annually, net of investment expenses

In 2016, the long-term expected rate of return on pension plan investments was determined using a building-clock method in which best-estimate ranges of expected future real rates of return (expected return, net of investment expenses 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.

In 2015, the long-term expected rate of return on pension plan investments was determined in accordance with Actuarial Standard of Practice (ASOP) No. 27, Selection of Economic Assumptions for Measuring Pension Obligations. ASOP No. 27 provides guidance on the selection of an appropriate assumed investment rate of return. Consideration was given to expect future real rates of return (expected returns, net of pension plan investment expense and inflation) for equities and fixed income as well as historical investment data and plan performance.

Best estimates of arithmetic real rates of return for each major asset class included in the target asset allocation as of March 31, 2016 and 2015 are summarized below:

Asset Type	2016 and 2015	
	Target	Long-Term
	Allocations in %	expected real rate of return in %
Domestic Equity	38	7.30
International Equity	13	8.55
Private Equity	10	11.00
Real Estate	8	8.25
Absolute Return Strategies	3	6.75
Opportunistic Portfolio	3	8.60
Real Assets	3	8.65
Bonds and Mortgages	18	4.00
Cash	2	2.25
Inflation-Indexed Bonds	2	4.00
	<u>100%</u>	

9. PENSION PLAN (Continued)

Discount Rate

The discount rate used to calculate the total pension liability in 2016 was 7.0%. The discount rate used in 2015 was 7.5%. The projection of cash flows used to determine the discount rate assumes that contributions from plan members will be made at the current contribution rates and that contributions from employers will be made at statutorily required rates, actuarially. Based upon the assumptions, the Plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore the long term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Sensitivity of the Proportionate Share of the Net Pension Liability to the Discount Rate Assumption

The following presents the Authority's proportionate share of the net pension liability for 2016 calculated using the discount rate of 7.0%, 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% lower (6.0%) or 1% higher (8.0%) than the current rate:

	1% Decrease <u>6.00%</u>	Current Discount <u>7.00%</u>	1% Increase <u>8.00%</u>
Proportionate Share of Net Pension liability (asset)	\$ <u>21,857,269</u>	\$ <u>9,693,114</u>	\$ <u>(585,076)</u>

The following presents the Authority's proportionate share of the net pension liability for 2015 calculated using the discount rate of 7.5%, 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% lower (6.5%) or 1% higher (8.5%) than the current rate:

	1% Decrease <u>6.50%</u>	Current Discount <u>7.50%</u>	1% Increase <u>8.50%</u>
Proportionate Share of Net Pension liability (asset)	\$ <u>13,476,406</u>	\$ <u>2,021,835</u>	\$ <u>(7,648,663)</u>

Pension Plan Fiduciary Net Position (000's)

The components of the current-year net pension liability of the employers as of March 31, 2016 and 2015 were as follows:

	<u>2016</u>	<u>2015</u>
Total pension liability	\$ 172,303,544	\$ 164,591,504
Net position	<u>(156,232,265)</u>	<u>(161,213,259)</u>
Net pension liability (asset)	\$ <u>16,071,279</u>	\$ <u>3,378,245</u>
ERS net position as a percentage of total pension liability	90.70%	97.90%

10. POSTEMPLOYMENT HEALTH CARE BENEFITS

Plan Description

The Authority provides certain health care benefits for retired employees. The Authority administers the Retirement Benefits Plan (the Retirement Plan) as a single-employer defined benefit Other Post-employment Benefit Plan (OPEB). In general, the Authority provides health care benefits for those retired personnel who are eligible for a pension through the NYSERS. The Retirement Plan can be amended by action of the Authority subject to applicable collective bargaining and employment agreements.

The number of retired employees currently eligible to receive benefits at December 31, 2016 and 2015 was 134 for both years. The Retirement Plan does not issue a stand-alone financial report since there are no assets legally segregated for the sole purpose of paying benefits under the Retirement Plan.

Funding Policy

The obligations of the Retirement Plan are established by action of the Authority pursuant to applicable collective bargaining and employment agreements. The required premium contribution rates of retirees range from 0% to 10%, depending on when the employee was hired. The Authority will pay its portion of the premium for the retiree and spouse for the lifetime of the retiree. The costs of administering the Retirement Plan are paid by the Authority. The Authority currently contributes enough money to the Retirement Plan to satisfy current obligations on a pay-as-you-go basis to cover annual premiums.

Annual OPEB Cost and Net OPEB Obligation

The Authority's annual OPEB cost is calculated based on the annual required contribution of the employer (ARC), an amount actuarially determined in accordance with generally accepted accounting principles. The ARC represents a level of funding that, if paid on an ongoing basis, is projected to cover the normal cost each year plus the amortization of the unfunded actuarial accrued liability over a period not to exceed 30 years. The following table shows the components of the Authority's annual OPEB cost for the year, the amount actually contributed to the Retirement Plan, and the changes in the Authority's net OPEB obligation:

	<u>2016</u>	<u>2015</u>
Annual required contribution	\$ 5,197,329	\$ 4,794,151
Interest on net OPEB obligation	832,103	675,861
Adjustment to ARC	<u>(1,082,590)</u>	<u>(879,315)</u>
Annual OPEB cost	4,946,842	4,590,697
Contributions made	<u>(1,653,964)</u>	<u>(1,465,852)</u>
Increase in net OPEB obligation	3,292,878	3,124,845
Net OPEB obligation - beginning of year	<u>16,642,068</u>	<u>13,517,223</u>
Net OPEB obligation - end of year	<u>\$ 19,934,946</u>	<u>\$ 16,642,068</u>

10. POSTEMPLOYMENT HEALTH CARE BENEFITS (Continued)

Trend Information

The following table provides trend information for the Retirement Plan:

<u>Year Ended</u>	<u>Annual OPEB Cost</u>	<u>Actual Employer Contribution</u>	<u>Percent Contributed</u>	<u>Net OPEB Obligation</u>
2016	\$ 4,946,842	\$ 1,653,964	33.4%	\$ 19,934,946
2015	\$ 4,590,697	\$ 1,465,852	31.9%	\$ 16,642,068
2014	\$ 3,266,388	\$ 1,256,705	38.5%	\$ 13,517,223

Funded Status

The projection of future benefits for an ongoing plan involves estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality, and the healthcare cost trend. Amounts determined regarding the funded status of the Retirement Plan and the annual required contributions of the employer are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future. The Retirement Plan is currently not funded.

Actuarial Methods and Assumptions

Projections of benefits for financial reporting purposes are based on the substantive plan as understood by the employer and plan members and include the types of benefits provided at the time of the valuation and the historical pattern of sharing of benefit costs between the employer and plan members to that point. The actuarial methods and assumptions used include techniques that are designed to reduce the effects of short-term volatility in actuarial accrued liabilities and the actuarial value of assets, consistent with the long-term perspective of the calculations.

In the January 1, 2015 actuarial valuation, the following methods and assumptions were used:

Actuarial cost method	Projected unit credit
Discount rate*	5.0%
Inflation rate	2.25%
Medical care cost trend rate	8.0%, or 6.0% initially, based on age of employees and type of plan chosen. The rate is reduced by decrements each year to an ultimate rate of 3.886% in 2075.
Prescription drug trend rate	9.0% initially, reduce by decrements each year to an ultimate rate of 3.886% in 2075.
Dental care cost trend rate	4%
Unfunded actuarial accrued liability:	
Amortization period	30 years
Amortization method	Level dollar
Amortization basis	Open

* As the plan is unfunded, the assumed discount rate considers that the Authority's investment assets are low risk in nature, such as money market funds or certificates of deposit.

11. COMMITMENTS AND CONTINGENCIES

Commitments

The Authority has entered into agreements with various water districts, towns and villages whereby the Authority obtains the use of the water facilities and agrees to provide water services to the residents of such districts. A number of these agreements require payments to be made by the Authority equal to the interest and principal due each year on the districts' outstanding debt related to the leased facilities. These agreements are classified as operating leases in the accompanying financial statements and recorded as a component of operating expenses. Any improvements to these facilities are capitalized by the Authority.

Amounts due under these commitments are summarized as follows for the years ending December 31:

2017	\$ 43,725
2018	42,694
2019	41,569
2020	40,444
2021	38,569
2022 - 2023	<u>75,220</u>
	<u>\$282,221</u>

Total rental expense charged to operations amounted to \$49,453 and \$50,438 during the years ended December 31, 2016 and 2015, respectively.

The Authority has entered into a Water System Construction/Operation Agreement with Genesee County to finance, construct, own, operate and supply water service in the County of Genesee. The Authority plans to develop the Genesee County project in two phases.

Phase I of the project involved the construction of approximately thirty-five miles of water mains financed with the proceeds of the 2001 Series Water Revenue Bonds and capital grants from state and federal agencies (See further disclosure in Note 8). Expenditures of \$24,061,115 were incurred for this project since Phase I was completed in 2004.

Phase II of the project has not yet started but will include an additional water main connection to the Authority's system in several towns of Genesee and Monroe Counties. There have been no expenditures incurred for Phase II of the project.

The Authority has entered into an agreement in 2010 whereby Monroe County is to provide certain public security and safety services to the Authority through December 31, 2026.

Amounts due under this agreement are summarized as follows for the years ended December 31:

2017	\$ 829,847
2018	829,847
2019	829,847
2020	829,847
2021	829,847
2022 - 2026	<u>4,149,235</u>
	<u>\$ 8,298,470</u>

The Authority expensed \$1,850,000 and \$1,650,000 under this agreement during the years ended December 31, 2016 and 2015, respectively.

11. COMMITMENTS AND CONTINGENCIES (Continued)

Commitments (Continued)

The Authority has entered into a water exchange agreement with the City of Rochester, New York (the City). A stipulation of the agreement required the City to replace its Rush Reservoir with covered storage of water. The project the Authority is required to pay for 54% of the costs of the project, not to exceed a total project cost of \$9,000,000. The Authority's maximum commitment is \$4,860,000 over 20 years.

Amounts due under this agreement are summarized as follows for the years ended December 31:

2017	\$ 243,000
2018	243,000
2019	243,000
2020	243,000
2021	243,000
2022 - 2026	1,215,000
2027 - 2031	1,215,000
2032 - 2033	<u>486,000</u>
	<u>\$ 4,131,000</u>

The Authority expensed \$243,000 under this agreement during each of the years ended December 31, 2016 and 2015.

Contingencies

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; life and health of employees; and natural disasters. The Authority has various insurance policies with third-party carriers related to property protection, casualty and statutory and non-statutory employee protection.

The Authority is subject to litigation in the ordinary conduct of its affairs. Management does not believe, however, that such litigation, individually or in the aggregate, is likely to have a material adverse effect on the financial condition of the Authority.

12. SELF-INSURANCE

Beginning January 1, 2010, the Authority elected to be self-insured for workers' compensation claims. The Authority transfers its risk of loss through the purchase of commercial insurance for workers' compensation benefits up to a maximum aggregate amount of \$5,000,000, subject to a deductible of \$400,000 per occurrence. Claim expenses and liabilities are reported when it is probable that a loss has occurred and the amount of that loss can be reasonably estimated. At December 31, 2016 and 2015, there were no liabilities recorded for workers' compensation claims.

13. RELATED PARTY TRANSACTIONS

The Authority has a contract with the County to supply the Authority with power and natural gas. The contract states that the Authority will purchase power and gas from the County at market value, plus a .6% service fee each year through August 31, 2020. For the years ended December 31, 2016 and 2015, the Authority paid approximately \$3,100,000 and \$3,500,000, respectively, to the County under the terms of this agreement.

14. IMPACT OF FUTURE GASB PRONOUNCEMENTS

In June 2015, the GASB issued Statement No. 75 *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*. Statement No. 75 replaces the requirements of Statements No. 45, *Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*, as amended, and No. 57, *OPEB Measurements by Agent Employers and Agent Multiple-Employer Plans*, for OPEB. Statement No. 74, *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, establishes new accounting and financial reporting requirements for OPEB plans. The Authority is required to adopt the provisions of this Statement for the year ending December 31, 2018, with early adoption encouraged.

In March 2016, GASB issued Statement No. 82, *Pension Issues - An Amendment of GASB Statements No. 67, Financial Reporting for pension Plans, No. 68, Accounting and Financial Reporting for Pensions, and No. 73 Accounting and Financial Reporting for Pensions and Related Assets That Are Not Within the Scope of GASB 68, and Amendments to Certain Provisions of GASB Statements 67 and 68*. The Statement addresses issues related to the presentation of payroll related measures in required supplementary information, selection of assumptions and the treatment of deviations and classification of payments made by employers to meet employee contribution requirements. The Statement takes effect for reporting periods beginning after June 15, 2016, except for the requirements of this standard for the selection of assumptions when the Authority's pension liability is measured as of a date other than their most recent fiscal year-end. In that case, the requirements for selection of assumptions are effective for the first reporting period in which the measurement date of the pension liability is on or after June 15, 2017. Earlier adoption is encouraged.

In November 2016, the GASB issued Statement No. 83, *Certain Asset Retirement Obligations*. This Statement addresses accounting and financial reporting for certain asset retirement obligations (AROs). An ARO is a legally enforceable liability associated with the retirement of a tangible capital asset. A government that has legal obligations to perform future asset retirement activities related to its tangible capital assets should recognize a liability based on the guidance in this Statement. This Statement also requires disclosure of information about the nature of a government's AROs, the methods and assumptions used for the estimates of the liabilities, and the estimated remaining useful life of the associated tangible capital assets. If an ARO (or portions thereof) has been incurred by a government but is not yet recognized because it is not reasonably estimable, the government is required to disclose that fact and the reasons therefore. The Authority is required to adopt the provisions of this Statement for the year ending December 31, 2019.

The Authority's management has begun to assess the impact of certain of these statements on its future financial statements while others will be assessed in the coming periods.

REQUIRED SUPPLEMENTARY INFORMATION

MONROE COUNTY WATER AUTHORITY
(A Discretely Presented Component Unit of the County of Monroe, New York)

SCHEDULE OF FUNDING PROGRESS - OTHER POSTEMPLOYMENT BENEFITS PLAN
FOR THE YEAR ENDED DECEMBER 31, 2016

<u>Actuarial Valuation Date</u>	<u>Year Ended</u>	(a) <u>Actuarial Value of Assets</u>	(b) <u>Actuarial Accrued Liability (AAL)</u>	(b-a) <u>Unfunded AAL (UAAL)</u>	(a/b) <u>Funded Ratio</u>	(c) <u>Covered Payroll</u>	((b-a)/c) <u>UAAL as a percentage of Covered Payroll</u>
1/1/2015	12/31/2016	\$ -	\$ 49,931,423	\$ 49,931,423	0.00%	\$ 15,486,395	322.4%
1/1/2015	12/31/2015	\$ -	\$ 46,100,791	\$ 46,100,791	0.00%	\$ 15,676,570	294.1%
1/1/2013	12/31/2014	\$ -	\$ 40,499,156	\$ 40,499,156	0.00%	\$ 15,659,732	258.6%

MONROE COUNTY WATER AUTHORITY
(A Discretely Presented Component Unit of the County of Monroe, New York)

SCHEDULE OF PROPORTIONATE SHARE OF NET PENSION LIABILITY (ASSET)
FOR THE YEAR ENDED DECEMBER 31, 2016

NEW YORK STATE EMPLOYEES' RETIREMENT SYSTEM PLAN	Last 10 Fiscal Years (Dollar amounts displayed in thousands)									
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Proportion of the net pension liability (asset)	0.060%	0.001%								
Proportionate share of the net pension liability (asset)	\$ 9,693,114	\$ 2,021,835								
Covered-employee payroll	\$ 14,584,555	\$ 14,724,692								
Proportionate share of the net pension liability (asset)										
as a percentage of its covered-employee payroll	66.46%	13.73%								
Plan fiduciary net position as a percentage of the total pension liability (asset)	90.70%	97.90%								

Information for the periods prior to implementation of GASB 68 is unavailable and will be completed for each year going forward as they become available.

MONROE COUNTY WATER AUTHORITY
(A Discretely Presented Component Unit of the County of Monroe, New York)

SCHEDULE OF CONTRIBUTIONS - PENSION PLANS
FOR THE YEAR ENDED DECEMBER 31, 2016

	Last 10 Fiscal Years (Dollar amounts displayed in thousands)									
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
NEW YORK STATE EMPLOYEES' RETIREMENT SYSTEM PLAN										
Contractually required contribution	\$ 2,628,166	\$ 2,975,247								
Contributions in relation to the contractually required contribution	<u>2,628,166</u>	<u>2,975,247</u>								
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>								
Covered-employee payroll	\$ 14,584,555	\$ 14,724,692								
Contributions as a percentage of covered-employee payroll	18.02%	20.21%								

Information for the periods prior to implementation of GASB 68 is unavailable and will be completed for each year going forward as they become available.

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

March 2, 2017

To the Board of Directors of
Monroe County Water Authority:

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the Monroe County Water Authority (the Authority), a public benefit corporation of the State of New York and a discretely presented component unit of the County of Monroe, New York, as of and for the year ended December 31, 2016, and the related notes to the financial statements, which collectively comprise the Authority's basic financial statements, and have issued our report thereon dated March 2, 2017.

Internal Control Over Financial Reporting

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

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

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

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

(Continued)

Compliance and Other Matters

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

Purpose of this Report

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

Real Property Disposals for 2016

The Monroe County Water Authority, as of the date of this report submission, does not intend to dispose of any real property having an estimated fair market value in excess of \$15,000. Additionally, the Authority did not dispose of any real property having a fair market value in excess of \$15,000 during calendar year 2016.



Monroe County Water Authority

Yearly Property Report

For January 1, 2016 through December 31, 2016

Yearly Property Report

In accordance with Monroe County Water Authority Disposal Guidelines, readopted November 2016, following is a yearly property report for MCWA property sold from January 2016 through December 2016.

<u>Description of Item Sold</u>	<u>Price Paid for Item Sold</u>	<u>Purchaser</u>
2010 Ford F-150 XL	\$6,250.00	John Hebbs Pittsford, New York 14534
2008 Chevy Trailblazer	\$5,000.00	Domicello Brothers, Inc. Penfield, New York 14526
2010 Ford 150 Extended Cab Pickup	\$5,200.00	B&B Enterprises Cohocton, New York 14826
Heli Forklift	\$7,500.00	Occhino Corporation West Seneca, New York 14224

Procurement Transactions Bulk Load Worksheet

* Vendor Name	* Procurement Description	* Type of Procurement	* Award Process	Award Date	Does the contract have an end Date?	End Date	Amount	* Amount 1	Fair Market Value	Explain why the fair market value is less than the contract amount	* Address Line 1	Address Line 2	* City	State	* Postal Code	4	Province/R egion	* Country	Country Name # "Other"
64 SECONDS	LEAK DETECTION - SURVEYOR 2	Commodities/Supplies	Non Contract Procurement/Purchase Order					5334			945 CONCORD STREET		FRAMINGHAM	MA	1701			USA	
84 LUMBER	LUMBER AND DRYWALL	Commodities/Supplies	Purchased Under State Contract					5799.99			PO BOX 365		EIGHTY FOUR	PA	15330			USA	
ADMAR SUPPLY CO INC	SMALL EQUIPMENT	Commodities/Supplies	Non Contract Procurement/Purchase Order					52412.11			1950 BRI-HEN TOWNLINE ROAD		ROCHESTER	NY	14623	2510		USA	
ADMAR SUPPLY CO INC	SMALL EQUIPMENT RENTAL	Commodities/Supplies	Purchased Under State Contract					2003.7			1950 BRI-HEN TOWNLINE ROAD		ROCHESTER	NY	14623	2510		USA	
ADMAR SUPPLY CO INC	HEAVY EQUIPMENT RENTAL	Commodities/Supplies	Purchased Under State Contract					4214.95			1950 BRI-HEN TOWNLINE ROAD		ROCHESTER	NY	14623	2510		USA	
ALS GROUP USA CORP	LEAD ANALYSIS FOR SCHOOL DISTRICTS	Other Professional Services	Authority Contract - Non-Competitive Bid	4/7/2016	N		29700	29700	29700		PO BOX 975444		DALLAS	TX	75397			USA	
ALS GROUP USA CORP	LABORATORY SERVICES	Other Professional Services	Non Contract Procurement/Purchase Order					230			PO BOX 975444		DALLAS	TX	75397			USA	
ALS MAINTENANCE	WA 031605 2016 LAWN MOWING	Design and Construction/Maintenance	Authority Contract - Competitive Bid	3/10/2016	Y	3/9/2017	62146.33	62146.33			328 JORDAN AVENUE		ROCHESTER	NY	14606			USA	
AMERICAN VAN EQUIPMENT, INC.	SET-UP OF NEW VEHICLES	Commodities/Supplies	Authority Contract - Non-Competitive Bid	11/30/2016	N		5298.99	5298.99	5298.99		PO BOX 3011		LAKEWOOD	NJ	8701			USA	
AMERICAN WATER WORKS ASSOC.	AWWA DUES	Other	Non Contract Procurement/Purchase Order					9518			PO BOX 972997		DALLAS	TX	75307	2997		USA	
AMREX CHEMICAL CO INC	DISINFECTANT CORFU WTP	Commodities/Supplies	Non Contract Procurement/Purchase Order					5609.24			PO BOX 642		BINGHAMTON	NY	13902			USA	
AMSTAR OF WESTERN NY	2016 HARRIS HILL TANK REHAIR	Commodities/Supplies	Authority Contract - Competitive Bid	8/30/2016	Y	12/31/2016	706850	636253			825 REIN ROAD		CHEEKTOWAGA	NY	14225			USA	
AMSTAR OF WESTERN NY	EMERGENCY SOUTH TANK REPAIRS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	12/8/2015	N		24000	24000	24000		825 REIN ROAD		CHEEKTOWAGA	NY	14225			USA	
ANALYTICAL SERVICES INC	CRYPTOSPORIDIUM AND GIARDIA ANALYSIS	Other Professional Services	Authority Contract - Competitive Bid	5/1/2015	Y	4/30/2017	9545	9230			15300 BOTHELL WAY NE		LAKE FOREST PARK	WA	98155			USA	
ANALYTICAL TECHNOLOGY INC	CHLORINE ANALYZERS	Commodities/Supplies	Authority Contract - Competitive Bid	4/15/2016	N		19950	19950			6 IRON BRIDGE DRIVE		COLLEGEVILLE	PA	19426			USA	
ANALYTICAL TECHNOLOGY INC	ATI CHLORINE ANALYZERS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	6/21/2016	N		5400	908.66	908.66		6 IRON BRIDGE DRIVE		COLLEGEVILLE	PA	19426			USA	
ANALYTICAL TECHNOLOGY INC	CHLORINE ANALYZER	Commodities/Supplies	Non Contract Procurement/Purchase Order					2560.34			6 IRON BRIDGE DRIVE		COLLEGEVILLE	PA	19426			USA	
ANALYTICAL TECHNOLOGY INC	CO2 LEAK DETECTION SENSORS, TOOLS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	1/15/2016	N		1730.34	1730.34	1730.34		6 IRON BRIDGE DRIVE		COLLEGEVILLE	PA	19426			USA	
ANDERSON EQUIPMENT COMPANY	SHORING BOX/REPAIRS	Commodities/Supplies	Non Contract Procurement/Purchase Order					5666.86			PO BOX 823564		PHILADELPHIA	PA	19182			USA	
ANIXTER INC	NETWORK UPGRADES/EQUIPMENT	Commodities/Supplies	Purchased Under State Contract					18311.83			PO BOX 847428		DALLAS	TX	75284	7428		USA	
ARCADIS US INC	2015 ENVIRONMENTAL SERVICES	Consulting Services	Authority Contract - Competitive Bid	1/26/2016	N		14157.82	14157.82			62838 COLLECTIONS CENTER DR		CHICAGO	IL	60693			USA	
ARCADIS US INC	ENGINEERING SERVICES SERP	Design and Construction/Maintenance	Authority Contract - Competitive Bid	6/11/2009	N		225000	346897.8			62838 COLLECTIONS CENTER DR		CHICAGO	IL	60693			USA	
ASSOCIATION OF METROPOLITAN	METROPOLITAN WATER DUES 2016	Other	Non Contract Procurement/Purchase Order					187531.08			16201 STREET NW SUITE 500		WASHINGTON	DC	20006			USA	
AWWA	MEMBERSHIP DUES	Other	Authority Contract - Non-Competitive Bid	1/1/2013	N		5475	5475	5475		6666 WEST QUINCY AVENUE		DENVER	CO	80235			USA	
BENTLEY SYSTEMS INC	WATERCAD RENEWAL	Design and Construction/Maintenance	Authority Contract - Non-Competitive Bid	3/12/2015	N		8877.5	8877.5	8877.5		PO BOX 828836		PHILADELPHIA	PA	19182			USA	
BETTER BUILDING CARE	FLOOR CLEANING SWTP	Design and Construction/Maintenance	Non Contract Procurement/Purchase Order					10746.2			PO BOX 23403		ROCHESTER	NY	14692			USA	
BHS SPECIALTY CHEMICALS	WA 021502 - HYDROFLUOSILICIC ACID	Commodities/Supplies	Authority Contract - Competitive Bid	4/1/2016	Y	3/31/2017	242693	98682.55			PO BOX 636809		CINCINNATI	OH	45263			USA	
BISON LABORATORIES INC	WA 021502-SODIUM HYPOCHLORITE	Commodities/Supplies	Authority Contract - Competitive Bid	4/1/2016	Y	3/31/2017	146165.1	146165.1			100 LESLIE STREET		BUFFALO	NY	14211			USA	
BLAIR SUPPLY CORP	WA 111122 TAPPING SLEEVES	Commodities/Supplies	Authority Contract - Competitive Bid	1/21/2016	Y	1/20/2017	22033	2900			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLAIR SUPPLY CORP	CURB BOXES	Commodities/Supplies	Authority Contract - Competitive Bid	12/11/2015	Y	12/10/2017	46087.5	46087.5			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLAIR SUPPLY CORP	WA 011302 VALVE BOX AND LIDS	Commodities/Supplies	Authority Contract - Competitive Bid	3/14/2016	Y	3/13/2017	40320	35559.6			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLAIR SUPPLY CORP	WA 101218 PIPE COUPLINGS	Commodities/Supplies	Authority Contract - Competitive Bid	11/9/2016	Y	11/8/2017	36339.8	17317.8			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLAIR SUPPLY CORP	WA 031408 MECHANICAL JOINT FITTINGS	Commodities/Supplies	Authority Contract - Competitive Bid	5/17/2016	Y	5/16/2017	31970.75	1495.45			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLAIR SUPPLY CORP	WA 121425 WATER SERVICE MATERIALS	Commodities/Supplies	Authority Contract - Competitive Bid	1/15/2016	Y	1/14/2017	31838.35	15744.4			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLAIR SUPPLY CORP	WA 041207 WATER SERVICE MATERIAL BRASS	Commodities/Supplies	Authority Contract - Competitive Bid	5/17/2016	Y	5/16/2017	54246.85	4456.6			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLAIR SUPPLY CORP	WA 031510 ANCHOR PIPE	Commodities/Supplies	Authority Contract - Competitive Bid	4/16/2016	Y	4/15/2017	10644.16	802.34			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLAIR SUPPLY CORP	WA 031408 MECH. JOINT FITTINGS GROUP B	Commodities/Supplies	Authority Contract - Competitive Bid	5/17/2016	Y	5/16/2017	13916.31	3493.5			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLAIR SUPPLY CORP	MISC WATER MAIN/SERVICE MATERIALS	Commodities/Supplies	Non Contract Procurement/Purchase Order					48003.96			785 BEAHAN ROAD		ROCHESTER	NY	14624			USA	
BLUE HERON CONSTRUCTION	PLASTER MILL RD W/M REPLACEMENT	Commodities/Supplies	Authority Contract - Competitive Bid	9/28/2015	N		251643.8	125603.8			9289 BONTA BRIDGE ROAD		JORDAN	NY	13080			USA	
BLUE HERON CONSTRUCTION	COUNTY RD 9 -DIP	Design and Construction/Maintenance	Authority Contract - Competitive Bid	5/4/2015	N		750311.5	68983.06			9289 BONTA BRIDGE ROAD		JORDAN	NY	13080			USA	
BONADIO & CO LLP	AUDIT SERVICES	Financial Services	Authority Contract - Competitive Bid	11/12/2009	N		76740	72000			171 SULLY'S TRAIL		PITTSFORD	NY	14534			USA	
BOWMAC SOFTWARE INC	UTILITY III EMERGENCIES	Consulting Services	Authority Contract - Competitive Bid	8/17/2016	Y	8/16/2017	5033	5033			41 WEST MAIN STREET		HONEOYE FALLS	NY	14472			USA	
BOYLAN CODE	REAL ESTATE & PROPERTY SERVICES	Legal Services	Authority Contract - Competitive Bid	11/12/2009	N		28628.96	28628.96			145 CULVER ROAD		ROCHESTER	NY	14620			USA	
BRONGO CONTRACTING & SUPPLY	SCREENED TOPSOIL	Commodities/Supplies	Purchased Under State Contract					6948			2548 MANITOU ROAD		ROCHESTER	NY	14624			USA	
BROWN & BROWN OF NY	RENEWAL GENERAL INSURANCE POLICIES	Financial Services	Authority Contract - Competitive Bid	3/15/2010	Y	3/15/2014	571255.7	571255.7			45 EAST AVENUE		ROCHESTER	NY	14604			USA	
BUFFALO ENVELOPE CO	WA 091612 WATER BILL ENVELOPES	Commodities/Supplies	Authority Contract - Competitive Bid	10/26/2016	N		33630.7	33630.7			2914 WALDEN AVENUE		DEPEW	NY	14043			USA	
BURKE GROUP LLC	MANAGEMENT CLASSIFICATION	Consulting Services	Authority Contract - Competitive Bid	5/9/2013	N		12000	10500			80 LINDEN OAKS DRIVE		ROCHESTER	NY	14625			USA	
CALCON CARBON CORPORATION	GAC REPLACEMENT-EAST FILTERS PHASE 1	Design and Construction/Maintenance	Authority Contract - Competitive Bid	9/28/2015	N		621843	616760			PO BOX 347037		PITTSBURGH	PA	15251			USA	
CDW GOVERNMENT INC	SCADA SWITCH UPGRADE - SWTP	Commodities/Supplies	Purchased Under State Contract					4183.5			75 REMITTANCE DRIVE		CHICAGO	IL	60675	1515		USA	
CDW GOVERNMENT INC	RACK FOR SERVER ROOM	Commodities/Supplies	Purchased Under State Contract					3683.2			75 REMITTANCE DRIVE		CHICAGO	IL	60675	1515		USA	
CDW GOVERNMENT INC	REPLACEMENT UPS BATTERIES	Commodities/Supplies	Purchased Under State Contract					1044			75 REMITTANCE DRIVE		CHICAGO	IL	60675	1515		USA	
CDW GOVERNMENT INC	SCREENED TOPSOIL	Commodities/Supplies	Purchased Under State Contract					5527.52			75 REMITTANCE DRIVE		CHICAGO	IL	60675	1515		USA	
CDW GOVERNMENT INC	ADDITIONAL RACK FOR SWTP SERVER RM	Commodities/Supplies	Purchased Under State Contract					4699.2			75 REMITTANCE DRIVE		CHICAGO	IL	60675	1515		USA	
CDW GOVERNMENT INC	VARIOUS COMPUTER SOFTWARE & EQUIPMENT	Commodities/Supplies	Non Contract Procurement/Purchase Order					10292.36			75 REMITTANCE DRIVE		CHICAGO	IL	60675	1515		USA	
CENTRAL ROADWAYS INC	2016 PAVEMENT REPLACEMENT - WEST SIDE	Commodities/Supplies	Authority Contract - Competitive Bid	3/10/2016	Y	3/10/2019	612271	429214.8			590 SALT ROAD		WEBSTER	NY	14580			USA	
CENTRAL ROADWAYS INC	2016 PAVEMENT REPLACEMENT - EAST SIDE	Commodities/Supplies	Authority Contract - Competitive Bid	3/10/2016	Y	3/10/2019	1055840	625141.5			590 SALT ROAD		WEBSTER	NY	14580			USA	
CHA DESIGN CONSTRUCTION	FAIRPORT TANK DEMOLITION	Consulting Services	Authority Contract - Competitive Bid	12/1/2015	N		15000	6000			PO BOX 5269		ALBANY	NY	12205			USA	
CHEMTRADE CHEMICALS US LLC	WA 021401 LIQUID ALUMINUM SULFATE	Commodities/Supplies	Authority Contract - Competitive Bid	4/1/2016	Y	3/31/2017	144900	99087.93			PO BOX 77000		DETROIT	MI	48277			USA	
CHRISTA CONSTRUCTION INC	INSPECTION SERVICES	Commodities/Supplies	Authority Contract - Competitive Bid	3/3/2014	Y	3/2/2019	376593	376593			119 VICTOR HEIGHTS PARKWAY		VICTOR	NY	14564			USA	
CHURCHVILLE FIRE EQUIP CORP	HOSES/FIRE EQUIPMENT	Commodities/Supplies	Non Contract Procurement/Purchase Order					5250.55			340 SAMPSON ROAD SOUTH		CHURCHVILLE	PA	14628	9548		USA	
CIGNA LIFE INSURANCE COMPANY	LIFE/LTD INSURANCE PREMIUMS 2015/2016	Commodities/Supplies	Authority Contract - Competitive Bid	1/1/2016	Y	12/31/2017	0	493.42			PO BOX 8500		PHILADELPHIA	PA	19178			USA	
CIGNA LIFE INSURANCE COMPANY	LIFE/LTD INSURANCE PREMIUMS 2015/2016	Commodities/Supplies	Authority Contract - Competitive Bid	1/1/2016	Y	12/31/2017	0	8407.12			PO BOX 8500		PHILADELPHIA	PA	19178			USA	
CIGNA LIFE INSURANCE COMPANY	LIFE/LTD INSURANCE	Financial Services	Authority Contract - Competitive Bid	1/1/2013	Y	12/31/2014	38773.41	4924.1			PO BOX 8500		PHILADELPHIA	PA	19178			USA	
CIGNA LIFE INSURANCE COMPANY	LIFE/LTD INSURANCE	Financial Services	Authority Contract - Competitive Bid	1/1/2013	Y	12/31/2014	38773.41	22331.41			PO BOX 8500		PHILADELPHIA	PA	19178			USA	
CITY OF ROCHESTER WATER BUREAU	WATER EXCHANGE PROGRAM-ROCHESTER	Commodities/Supplies	Non Contract Procurement/Purchase Order					1292874			10 FELIX STREET		ROCHESTER	NY	14608			USA	
CITY TREASURER	WATER SUPPLY/EXCHANGE - CITY OF ROCH	Commodities/Supplies	Non Contract Procurement/Purchase Order					243000			10 FELIX STREET		ROCHESTER	NY	14608			USA	
CME ASSOCIATES INC	2015 GEOTECH CONTRACT	Commodities/Supplies	Authority Contract - Competitive Bid	8/13/2015	Y	12/31/2016	280931	110093.3			PO BOX 5490		SYRACUSE	NY	13220			USA	
COLLINS PIPE & SUPPLY CO INC	VALVES & PUMP PARTS & SUPPLIES	Commodities/Supplies	Non Contract Procurement/Purchase Order					9906			PO BOX 1053		EAST WINDSOR	CT	6088			USA	
COMAIRCO EQUIPMENT	COMPRESSORS/EQUIPMENT	Commodities/Supplies	Non Contract Procurement/Purchase Order					7429.26			3250 UNION ROAD		BUFFALO	NY	14227			USA	
COMMERCIAL PIPE & SUPPLY CORP	PIPE AND PLUMBING SUPPLIES	Commodities/Supplies	Purchased Under State Contract					6634.25			1920 ELMWOOD AVENUE		BUFFALO	NY	14207			USA	
COMPASS MINERALS AMERICA	ROCK SALT-CORFU	Commodities/Supplies	Non Contract Procurement/Purchase Order					15890.22			PO BOX 277043		ATLANTA	GA	30384			USA	
COMPTRILLOER, STATE OF NEW YORK	NYSDOT WESTFALL AND CLOVER	Design and Construction/Maintenance	Purchased Under State Contract					20598.53			110 STATE STREET		ALBANY	NY	12236			USA	
COOK IRON STORE CO	PUMPING SUPPLIES	Commodities/Supplies	Non Contract Procurement/Purchase Order					3449.1			PO BOX 31237		ROCHESTER	NY	14623	1237		USA	
COOK IRON STORE CO	WA 031508 SAFETY EQUIPMENT	Commodities/Supplies	Authority Contract - Competitive Bid	3/12/2015	Y	3/11/2016	18744.48	1132.31			PO BOX 31237		ROCHESTER	NY	14603	1237		USA	
COOK IRON STORE CO	WA 021603 SAFETY GEAR	Commodities/Supplies	Authority Contract - Competitive Bid	3/10/2017	Y	3/9/2018	17732.15	6393			PO BOX 31237		ROCHESTER	NY	14603	1237		USA	
CORRTECH INC	CORROSION TRAINING & CONTROL PROGRAM	Commodities/Supplies	Authority Contract - Competitive Bid	2/3/2015	Y	12/31/20													

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JONES CHEMICALS INC	WA 021502 GASEOUS CHLORINE ONE TON CONT	Commodities/Supplies	Authority Contract - Competitive Bid	4/1/2016	Y	3/31/2017	48300	48300	PO BOX 636877	CINCINNATI	OH	45263	USA
JONES CHEMICALS INC	SULFUR DIOXIDE	Commodities/Supplies	Non Contract Procurement/Purchase Order					1620	PO BOX 636877	CINCINNATI	OH	45263	USA
JUSTIN MCCARTHY CONSULTING LLC	NYS LOBBYING SERVICES	Consulting Services	Authority Contract - Competitive Bid	4/19/2012	Y	4/18/2016	54000	54000	PO BOX 13951	ALBANY	NY	12212	USA
KENWORTH OF ROCHESTER	DUMP TRUCK REPAIR PARTS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	1/1/2016	Y	12/31/2016	20259.71	20259.71	100 COMMERCE DRIVE	LACKAWANNA	NY	14218	USA
KEY INSURANCE & BENEFITS	EXCESS WORKERS COMP INSURANCE	Financial Services	Non Contract Procurement/Purchase Order					70051	PO BOX 74812	CLEVELAND	OH	44194	USA
KEYBANK NATIONAL ASSOCIATION	BANKING SERVICES	Financial Services	Authority Contract - Competitive Bid	10/8/2016	N		5628.98	5628.98	201 SOUTH WARREN STREET	SYRACUSE	NY	13202	USA
KOESTER ASSOCIATES INC	ACTUATOR - LEROY EAST VALVE	Commodities/Supplies	Authority Contract - Non-Competitive Bid	12/1/2015	N		7213	7213	3101 SENECA TURNPIKE	CANASTOTA	NY	13032	USA
KOESTER ASSOCIATES INC	VACUUM GAUGE	Commodities/Supplies	Non Contract Procurement/Purchase Order					1117.73	3101 SENECA TURNPIKE	CANASTOTA	NY	13032	USA
KOVALSKY-CARR ELECTRIC SUPPLY	GENERAL MAINTENANCE EQUIP	Commodities/Supplies	Non Contract Procurement/Purchase Order					11676.89	208 ST PAUL STREET	ROCHESTER	NY	14604	1120 USA
KOVALSKY-CARR ELECTRIC SUPPLY	BATTERIES	Commodities/Supplies	Purchased Under State Contract					762.94	208 ST PAUL STREET	ROCHESTER	NY	14604	1120 USA
KRANES INC OF CENTRAL NEW YORK	RELOCATE HARRIS RD. NEXTEL BUILDING	Commodities/Supplies	Non Contract Procurement/Purchase Order					9500	5951 SOUTH GENEVA ROAD	SODUS	NY	14551	USA
KURTZ TRUCK EQUIPMENT	TRUCK EQUIPMENT	Commodities/Supplies	Non Contract Procurement/Purchase Order					6835.56	1085 MCGRAW MARATHON ROAD	MARATHON	NY	13803	USA
2014 ENVIRONMENTAL ENGINEERING SERVICES	PROFESSIONAL SERVICES	Consulting Services	Authority Contract - Competitive Bid	12/11/2014	Y	12/11/2019	4886.5	4886.5	300 STATE STREET	ROCHESTER	NY	14614	USA
LABELLA ASSOCIATES, P.C.	PROFESSIONAL SERVICES	Consulting Services	Authority Contract - Competitive Bid	10/5/2010	N		4090.42	4090.42	300 STATE STREET	ROCHESTER	NY	14614	USA
LABUTE LLC	LIMS ANNUAL MAINTENANCE	Design and Construction/Maintenance	Authority Contract - Non-Competitive Bid	8/1/2016	Y	7/31/2017	6203	6203	6203	PO BOX 1206	NEW MILFORD	CT	6776 USA
LECHASE CONSTRUCTION SERVICES	ESWSP WEBSTER TREATMENT PLANT CONTRACT	Design and Construction/Maintenance	Authority Contract - Competitive Bid	1/13/2011	N		38385000	275856	205 INDIGO CREEK DRIVE	ROCHESTER	NY	14624	USA
LEWIS GENERAL TIRES INC	RECAP DRIVE TIRES	Commodities/Supplies	Non Contract Procurement/Purchase Order					1175	3870 WEST HENRIETTA ROAD	ROCHESTER	NY	14623	USA
LEWIS GENERAL TIRES INC	TIRES, TUBES, AND REPAIR SERVICES	Commodities/Supplies	Purchased Under State Contract					14427.78	3870 WEST HENRIETTA ROAD	ROCHESTER	NY	14623	USA
LIFETIME BENEFIT SOLUTIONS	FSM ADMINISTRATION FEE	Other Professional Services	Authority Contract - Competitive Bid	10/14/2010	N		12500	11782.65	PO BOX 5211	BINGHAMTON	NY	13902	USA
LUPINI CONSTRUCTION	2015 EIFS REPAIRS-BRKPORT AND UNION ST TAN	Commodities/Supplies	Authority Contract - Competitive Bid	1/6/2016	N		54868.5	54868.5	6081 TRENTON ROAD	UTICA	NY	13502	USA
M&T BANK	CHECKING ACCOUNT SERVICE CHARGES	Financial Services	Authority Contract - Competitive Bid	10/14/2010	N		172175.7	172175.7	1 M&T PLAZA 7TH FLOOR	ROCHESTER	NY	14203	USA
MAHANY WELDING SUPPLY CO INC	WELDING EQUIPMENT/SUPPLIES	Commodities/Supplies	Non Contract Procurement/Purchase Order					5454.93	115 FEDEX WAY	ROCHESTER	NY	14624	USA
MARK SCHREIBER	INSURANCE SETTLEMENT	Other	Non Contract Procurement/Purchase Order					19259.24	91 EAST MAIN STREET	WEBSTER	NY	14580	USA
MASTRO ENTERPRISES INC	2015 PAVEMENT REPLACEMENT	Design and Construction/Maintenance	Authority Contract - Competitive Bid	10/1/2014	N		167621.4	167621.4	948 CARTER STREET	ROCHESTER	NY	14621	USA
MCMASTER-CARR SUPPLY COMPANY	INDUSTRY SUPPLIES	Commodities/Supplies	Non Contract Procurement/Purchase Order					15117.65	PO BOX 6990	CHICAGO	IL	60680	7690 USA
MCPIC INC	WA 041307 PRINTER TONER CARTRIDGES	Commodities/Supplies	Authority Contract - Competitive Bid	4/19/2015	Y	4/18/2016	27950.94	18030.76	PO BOX 642383	PITTSBURGH	PA	15264	USA
MERCURY NETWORKS	IT CONSULTING	Consulting Services	Non Contract Procurement/Purchase Order					2437.5	182 HILLRISE DRIVE	PENFIELD	NY	14526	USA
MERCURY NETWORKS	EMAIL ARCHIVER SUPPORT	Design and Construction/Maintenance	Non Contract Procurement/Purchase Order					4136.64	182 HILLRISE DRIVE	PENFIELD	NY	14526	USA
METRIX MARKETING INC	PUBLIC RELATIONS	Consulting Services	Authority Contract - Non-Competitive Bid	2/1/2016	N		2400	2400	40 WILDBRIAR ROAD	ROCHESTER	NY	14623	USA
METRIX MARKETING INC	CUSTOMER COMMUNICATIONS/WEBSITE DESIGN	Consulting Services	Authority Contract - Competitive Bid	5/13/2010	N		15203.87	15203.87	40 WILDBRIAR ROAD	ROCHESTER	NY	14623	USA
MILTON CAT	BACKHOE REPAIR PARTS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	1/1/2016	Y	12/31/2016	16811.27	16811.27	PO BOX 3851	BOSTON	MA	2241	USA
MJ PIPE & SUPPLY	SERVICE AND MAIN REPAIR MATERIALS	Commodities/Supplies	Non Contract Procurement/Purchase Order					22779.8	609 BUFFALO ROAD	ROCHESTER	NY	14611	USA
MJ PIPE & SUPPLY	WA 111121 VALVE BOX RISERS	Commodities/Supplies	Authority Contract - Competitive Bid	12/19/2015	Y	12/18/2016	15502.6	7609	609 BUFFALO ROAD	ROCHESTER	NY	14611	USA
MJ PIPE & SUPPLY	WA 111120 REPAIR CLAMPS	Commodities/Supplies	Authority Contract - Competitive Bid	12/19/2015	Y	12/18/2016	37001.76	35630.02	609 BUFFALO ROAD	ROCHESTER	NY	14611	USA
MONROE COUNTY CLERK	EASEMENT FILING FEES	Financial Services	Non Contract Procurement/Purchase Order					8005	39 WEST MAIN STREET	ROCHESTER	NY	14614	USA
MONROE COUNTY DIR OF FINANCE	BONDS INTEREST	Financial Services	Authority Contract - Competitive Bid	10/14/2010	N		1436452	619700.3	39 WEST MAIN STREET	ROCHESTER	NY	14614	USA
MONROE COUNTY DIR OF FINANCE	DOT PERMITS	Financial Services	Non Contract Procurement/Purchase Order					26390	50 W MAIN STREET	ROCHESTER	NY	14614	USA
MONROE COUNTY DIRECTOR	ERIE STATION ROAD AGREEMENT	Financial Services	Non Contract Procurement/Purchase Order					7051.16	39 W MAIN STREET	ROCHESTER	NY	14614	USA
MONROE COUNTY HEALTH DEPT	ROAD SIGNS	Commodities/Supplies	Non Contract Procurement/Purchase Order					200000	111 WESTFALL ROAD	ROCHESTER	NY	14620	USA
MONROE COUNTY OFFICE OF	ELECTRICITY-INTER-MUNICIPAL CO-OP	Other	Authority Contract - Competitive Bid	5/10/2007	N		4430100	3066757	39 W MAIN STREET	ROCHESTER	NY	14614	USA
MONROE TRACTOR & IMPLEMENT CO	HEAVY EQUIPMENT RENTAL	Commodities/Supplies	Purchased Under State Contract					5408.6	PO BOX 370	HENRIETTA	NY	14467	USA
MORSCH PIPELINE INC	BASKET ROAD WATER MAIN REPLACEMENT	Commodities/Supplies	Authority Contract - Competitive Bid	9/28/2015	N		1285604	978468.7	3929 SOUTH AVON ROAD	AVON	NY	14414	USA
MSC INDUSTRIAL SUPPLY CO INC	INDUSTRIAL SUPPLIES	Commodities/Supplies	Non Contract Procurement/Purchase Order					3574.43	PO BOX 953635	SAINT LOUIS	MO	63195	USA
MSC INDUSTRIAL SUPPLY CO INC	SWTP - INDUSTRIAL & COMMERCIAL SUPPLIES	Commodities/Supplies	Purchased Under State Contract					8567.58	PO BOX 953635	SAINT LOUIS	MO	63195	USA
MSDSONLINE INC	MSDS Online Renewal	Commodities/Supplies	Authority Contract - Non-Competitive Bid	1/1/2016	N		5896	5896	27185 NETWORK PLACE	CHICAGO	IL	60673	USA
MUNICIPAL EMERGENCY SRVCS	SCBA/KEVLAR ITEMS	Commodities/Supplies	Purchased Under State Contract					13603.81	75 REMITTANCE DRIVE	CHICAGO	IL	60675	USA
MUNICIPAL EMERGENCY SRVCS	PRODUCTION DEPT SCBA FIT TESTS	Other Professional Services	Authority Contract - Competitive Bid	8/2/2016	N		987	987	75 REMITTANCE DRIVE	CHICAGO	IL	60675	USA
MVP HEALTH CARE	HEALTHCARE PREMIUM	Commodities/Supplies	Authority Contract - Non-Competitive Bid	10/14/2010	N		125632.6	125632.6	GPO BOX 26864	NEW YORK	NY	10087	USA
MYTHICS	ORACLE WEBLOGIC LICENSES	Commodities/Supplies	Purchased Under State Contract					41400	1439 N GREAT NECK ROAD	VIRGINIA BEACH	VA	23454	USA
NACAMP PAVING & CONSTRUCTION	OKATA AVENUE AND ARMSTRONG RD WM REPLACE	Commodities/Supplies	Authority Contract - Competitive Bid	5/31/2016	N		346980	285232.5	124 N GENESEE STREET	GENEVA	NY	14456	USA
NACAMP INC	WORKERS COMP ADMINISTRATION FEE	Other Professional Services	Authority Contract - Competitive Bid	1/1/2016	Y	12/31/2020	88361.18	88361.18	14 LAFAYETTE SQUARE	NEWFORD	NY	14203	USA
NEAL SYSTEMS INCORPORATED	VIBRATION SWITCH FOR WEBSTER LWPS PUMP	Commodities/Supplies	Authority Contract - Non-Competitive Bid	12/28/2015	N		5792.76	5792.76	122 TERRY DRIVE	BUFFALO	PA	18940	USA
NEPTUNE TECHNOLOGY GROUP INC	WA 051310 COLD WATER LARGE METERS	Commodities/Supplies	Authority Contract - Competitive Bid	6/7/2016	Y	6/6/2017	253690	173285	PO BOX 932957	ATLANTA	GA	31193	2957 USA
NEPTUNE TECHNOLOGY GROUP INC	NEPTUNE METER PARTS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	9/20/2016	Y	9/19/2017	14297.36	14297.36	PO BOX 932957	ATLANTA	GA	31193	2957 USA
NEPTUNE TECHNOLOGY GROUP INC	WA 031304 NEPTUNE COLDWATER METERS	Commodities/Supplies	Authority Contract - Competitive Bid	4/18/2016	Y	4/17/2017	2150346	2150346	PO BOX 932957	ATLANTA	GA	31193	2957 USA
NETWORKFLEET INC	MONTHLY GPS MONITORING	Design and Construction/Maintenance	Purchased Under State Contract					33374.4	PO BOX 975544	DALLAS	TX	75397	USA
NEW HORIZONS @ LO	VMWARE TRAINING	Other Professional Services	Authority Contract - Non-Competitive Bid	9/7/2016	N		3995	3995	3535 WINTON PLACE	ROCHESTER	NY	14623	USA
NEW HORIZONS @ LO	RED HAT RHCSA RAPID TRACK TRAINING	Other Professional Services	Non Contract Procurement/Purchase Order					3678	3535 WINTON PLACE	ROCHESTER	NY	14623	USA
NEW YORK WORKERS' COMPENSATION	2016 WORKERS COMPENSATION ASSESSMENT	Commodities/Supplies	Authority Contract - Competitive Bid	12/12/2013	N		39430.92	39430.92	328 STATE STREET	SCHENECTADY	NY	12305	USA
NIXON PEABODY LLP	FEDERAL LOBBYING SERVICES	Consulting Services	Authority Contract - Competitive Bid	7/14/2011	N		305000	175000	PO BOX 28012	NEW YORK	NY	10087	USA
NU-LOOK ACCESSORIES WEBSTER	ALUMINUM VEHICLE CAPS	Commodities/Supplies	Non Contract Procurement/Purchase Order					6402.1	2111 EMPIRE BOULEVARD	WEBSTER	NY	14580	USA
NUWAY AUTO PARTS	VEHICLE REPAIR PARTS	Commodities/Supplies	Purchased Under State Contract					25940.11	PO BOX 301770	ROCHESTER	NY	14603	USA
NUWAY AUTO PARTS	VEHICLE REPAIR PARTS	Commodities/Supplies	Non Contract Procurement/Purchase Order					9859.94	PO BOX 301770	ROCHESTER	NY	14603	USA
NYS & LOCAL RETIREMENT SYSTEMS	RETIREE BENEFITS	Other	Authority Contract - Non-Competitive Bid	10/8/2009	N		2216347	2216347	110 STATE STREET	ALBANY	NY	12244	1 USA
NYS ENVIRONMENTAL CONSERVATION	DOT PERMITS	Financial Services	Non Contract Procurement/Purchase Order					16535	PO BOX 3782	NEW YORK	NY	10008	USA
OBRIEN & GERE ENGINEERS INC	2015 MISCELLANEOUS ENVIRONMENTAL SERVICE	Commodities/Supplies	Authority Contract - Competitive Bid	5/6/2015	N		22633.39	22633.39	PO BOX 8000	BUFFALO	NY	14267	USA
OBRIEN & GERE ENGINEERS INC	LAKE RD PUMP STATION GENERATOR	Commodities/Supplies	Authority Contract - Non-Competitive Bid	8/30/2016	N		7400	7400	PO BOX 8000	BUFFALO	NY	14267	USA
OBRIEN & GERE ENGINEERS INC	RISK MANAGEMENT PROGRAM	Consulting Services	Authority Contract - Competitive Bid	7/29/2013	N		15000	5432.92	PO BOX 8000	BUFFALO	NY	14267	USA
OBRIEN & GERE ENGINEERS INC	EVALUATE CHLORINE GAS SCRUBBER	Consulting Services	Authority Contract - Competitive Bid	2/2/2016	N		39200	39200	PO BOX 8000	BUFFALO	NY	14267	USA
OBRIEN & GERE ENGINEERS INC	ENGINEERING CONSULTING SERVICES	Consulting Services	Authority Contract - Competitive Bid	4/10/2008	N		58195.22	58195.22	PO BOX 8000	BUFFALO	NY	14267	USA
OBRIEN & GERE ENGINEERS INC	DESIGN & CONSTRUCTION ESWSP	Design and Construction/Maintenance	Authority Contract - Competitive Bid	1/8/2009	N		6231029	32997.15	PO BOX 8000	BUFFALO	NY	14267	USA
OCCUPATIONAL SAFETY CONSULTANT	SAFETY TRAINING AND COMPLIANCE	Other Professional Services	Authority Contract - Competitive Bid	6/9/2016	Y	6/9/2021	9610	9610	175 THURLLOW AVENUE	ROCHESTER	NY	14609	USA
OCCUPATIONAL SAFETY ON SITE	PRE-EMPLOYMENT TESTING	Other Professional Services	Authority Contract - Competitive Bid	10/14/2010	N		9950	5850	1600 L'VELL AVENUE	ROCHESTER	NY	14606	USA
OCCUPATIONAL SAFETY ON SITE	ASBESTOS EXAMS	Other Professional Services	Authority Contract - Competitive Bid	12/16/2013	N		15000	1480	1600 L'VELL AVENUE	ROCHESTER	NY	14606	USA
OCCUPATIONAL SAFETY ON SITE	DRUG/ALCOHOL TESTING	Other Professional Services	Authority Contract - Competitive Bid	3/13/2016	Y	3/13/2017	15852	15852	1600 L'VELL AVENUE	ROCHESTER	NY	14606	USA
OCCUPATIONAL SAFETY ON SITE	ANALYTIC SERVICES	Other Professional Services	Authority Contract - Competitive Bid	2/26/2015	Y	2/26/2017	2408	2408	1600 L'VELL AVENUE	ROCHESTER	NY	14606	USA
ORACLE AMERICA INC	ORACLE SUPPORT	Design and Construction/Maintenance	Purchased Under State Contract					10124.49	PO BOX 203448	DALLAS	TX	75320	USA
ORACLE AMERICA INC	ORACLE ENTERPRISE AND ASO	Design and Construction/Maintenance	Purchased Under State Contract					12194.86	PO BOX 203448	DALLAS	TX	75320	USA
ORACLE AMERICA INC	ANNUAL SUPPORT FOR ORACLE	Technology - Software	Purchased Under State Contract					11601.18	PO BOX 203448	DALLAS	TX	75320	USA
OTIS ELEVATOR COMPANY	ELEVATOR INSPECTION/MAINTENANCE & REPAIR	Design and Construction/Maintenance	Non Contract Procurement/Purchase Order					1112	PO BOX 13716	NEWARK	NJ	7188	USA
OTIS ELEVATOR COMPANY	OTIS ELEVATOR MAINTENANCE	Design and Construction/Maintenance	Non Contract Procurement/Purchase Order					3829.92	PO BOX 13716	NEWARK	NJ	7188	USA
OTIS ELEVATOR COMPANY	FIRE SERVICE INSPECTION	Design and Construction/Maintenance	Non Contract Procurement/Purchase Order					200	PO BOX 13716	NEWARK	NJ	7188	USA
PERTECH INC	DE NORA WATER TECH REPLACEMENT PARTS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	8/1/2016	Y	7/31/2017	736	736	586 N FRENCH ROAD	BUFFALO	NY	14228	2199 USA
PERTECH INC	SEVERN TRENT PART-SWTP CHLORINE GAS SYST	Commodities/Supplies	Authority Contract - Non-Competitive Bid	8/1/2015	Y	7/31/2016	1259.1	1259.1	586 N FRENCH ROAD	BUFFALO	NY	14228	2199 USA
PERTECH INC	VACUUM REGULATOR AND REPAIR PARTS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	4/20/2016	N		1131.03	1131.03	586 N FRENCH ROAD	BUFFALO	NY	14228	2199 USA
PERTECH INC	CL2 EVAPORATOR PRESSURE PARTS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	8/16/2016	N		1437	1437	586 N FRENCH ROAD	BUFFALO	NY	14228	2199 USA
PI INDUSTRIAL SUPPLY INC	SQZ FEED SYSTEM	Commodities/Supplies	Non Contract Procurement/Purchase Order					2694	586 N FRENCH ROAD	BUFFALO	NY	14228	2199 USA
PI INDUSTRIAL SUPPLY INC	HYDRAULIC CRIMP FITTINGS	Commodities/Supplies	Non Contract Procurement/Purchase Order					6245.94	640 NORTH WINTON ROAD	ROCHESTER	NY	14609	USA
POGEL SCHUBMEHL & FERRARA, LLC	REAL ESTATE APPRAISALS	Consulting Services	Authority Contract - Competitive Bid	7/12/2008	N		7050	7050	2509 BROWN/CROFT BOULEVARD	ROCHESTER	NY	14625	USA
POLYDYNE INC	WA 021502-CATIONIC POLYMER	Commodities/Supplies	Authority Contract - Competitive Bid	4/1/2016	Y	3/31/2017	50859.28	50859.28	PO BOX 404642	ATLANTA	GA	30384	USA
POSTMASTER	POSTAGE BULK MAILING-2016	Commodities/Supplies	Non Contract Procurement/Purchase Order					440215	1335 JEFFERSON ROAD	ROCHESTER	NY	14692	9652 USA
POSTMASTER	BUSINESS REPLY MAILING 2016	Commodities/Supplies	Non Contract Procurement/Purchase Order					28500	PERMIT 1745	ROCHESTER	NY	14610	USA

REGIONAL INTERNATIONAL CORP	FIVE MAN CREW CAB TRUCK	Commodities/Supplies	Authority Contract - Competitive Bid	4/25/2016	N		79713	79713	1007 LEHIGH STATION ROAD	HENRIETTA	NY	14467	USA
REGIONAL INTERNATIONAL CORP	TRUCK EQUIPMENT	Commodities/Supplies	Non Contract Procurement/Purchase Order					2724.98	1007 LEHIGH STATION ROAD	HENRIETTA	NY	14467	USA
REL COMM INC	ESOC TELEPHONE EQUIPMENT MAINTENANCE	Commodities/Supplies	Authority Contract - Non-Competitive Bid	1/1/2016	Y	12/31/2016	10440	9570	250 CUMBERLAND STREET	ROCHESTER	NY	14605	USA
REL COMM INC	PHONE SYSTEM UPGRADE-PH II	Commodities/Supplies	Authority Contract - Non-Competitive Bid	8/16/2016	N		31872.86	29192.86	250 CUMBERLAND STREET	ROCHESTER	NY	14605	USA
REL COMM INC	WALL MOUNT CROSS, PANELS, ADAPTERS-NETWK	Commodities/Supplies	Purchased Under State Contract					9640.76	250 CUMBERLAND STREET	ROCHESTER	NY	14605	USA
REL COMM INC	NETWORK UPGRADE PROJECT	Commodities/Supplies	Purchased Under State Contract					13743.12	250 CUMBERLAND STREET	ROCHESTER	NY	14605	USA
REL COMM INC	MAINTENANCE OF SWTP COMMUNIC. EQUIP	Design and Construction/Maintenance	Purchased Under State Contract					2613	250 CUMBERLAND STREET	ROCHESTER	NY	14605	USA
REL COMM INC	PANELS	Commodities/Supplies	Purchased Under State Contract					645.16	250 CUMBERLAND STREET	ROCHESTER	NY	14605	USA
RETROTECH	CRANE, HOIST & LIFTING EQUIPMENT INSPECT	Design and Construction/Maintenance	Non Contract Procurement/Purchase Order					8754.36	PO BOX 417471	BOSTON	MA	2241	USA
ROCHESTER ASPHALT MATERIALS	ASPHALT	Commodities/Supplies	Purchased Under State Contract					45766.02	PO BOX 415905	BOSTON	MA	2241	USA
ROCHESTER ASPHALT MATERIALS	TEMPORARY PATCH	Commodities/Supplies	Purchased Under State Contract					24004.98	PO BOX 415905	BOSTON	MA	2241	USA
ROCHESTER ASPHALT MATERIALS	EMERGENCY-BLACKTOP	Commodities/Supplies	Authority Contract - Non-Competitive Bid	3/4/2016	N		8993.69	8993.69	PO BOX 415905	BOSTON	MA	2241	USA
ROCHESTER WINDUSTRIAL	BACKFLOW PREVENTERS	Commodities/Supplies	Non Contract Procurement/Purchase Order					16472.36	900 DRIVING PARK	ROCHESTER	NY	14613	USA
SHERWIN WILLIAMS COMPANY	PAINT PRODUCTS	Commodities/Supplies	Purchased Under State Contract					9841.63	830 EMERSON STREET	ROCHESTER	NY	14613	1804 USA
SHI INTERNATIONAL CORP	AUTOCAD 2016-2017 SUPPORT	Design and Construction/Maintenance	Purchased Under State Contract					15120.08	PO BOX 952121	DALLAS	TX	75395	USA
SIEMENS INDUSTRY INC	FLOW METERS	Commodities/Supplies	Non Contract Procurement/Purchase Order					3720.44	PO BOX 2715	CAROL STREAM	IL	60132	USA
SIEMENS INDUSTRY INC	FLOW METER TRANSMITTER	Commodities/Supplies	Authority Contract - Non-Competitive Bid	3/24/2016	N		1355	1355	PO BOX 2715	CAROL STREAM	IL	60132	USA
SEWERT EQUIPMENT CO INC	VALVES/VALVE REPAIR PARTS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	3/2/2016	N		17098.04	17098.04	PO BOX 824438	PHILADELPHIA	PA	19182	USA
SIMPLEXGRINNELL LP	FIRE EXTINGUISHERS AND MAINTENANCE	Design and Construction/Maintenance	Purchased Under State Contract					5120.43	DEPT. CH 10320	PALATINE	IL	60055	320 USA
SLACK CHEMICAL COMPANY	SODIUM PERMANGANATE	Commodities/Supplies	Authority Contract - Competitive Bid	3/10/2016	Y	3/9/2017	45300	33262.28	PO BOX 30	CARTHAGE	NY	13619	USA
STANTEC CONSULTING SERVICES	DESIGN AND CONSTRUCTION MAINTENANCE	Design and Construction/Maintenance	Authority Contract - Competitive Bid	1/19/2012	N		200653	200653	13980 COLLECTIONS CNTR DRIVE	CHICAGO	IL	60693	USA
STAPLES BUSINESS ADVANTAGE	OFFICE SUPPLIES	Commodities/Supplies	Purchased Under State Contract					20198.89	PO BOX 415256	BOSTON	MA	2241	USA
STEWART TITLE INSURANCE CO	STUB SEARCH AND COPY OF DEED	Commodities/Supplies	Non Contract Procurement/Purchase Order					7500	47 WEST MAIN STREET	ROCHESTER	NY	14614	USA
STRATEGIC IT STAFFING INC	IT CONTRACTED POSITION	Commodities/Supplies	Authority Contract - Competitive Bid	8/30/2016	Y	3/31/2017	34450	34450	SUITE 125	ROSEVILLE	CA	95661	USA
SYNERGY GLOBAL SOLUTIONS INC	MIC TO VOIRIS CIRCUIT TERMINATION	Commodities/Supplies	Purchased Under State Contract					1386	PO BOX 8000	BUFFALO	NY	14267	USA
SYNERGY GLOBAL SOLUTIONS INC	NETWORK UPGRADE PROJECT - WWTP	Commodities/Supplies	Purchased Under State Contract					2647.06	PO BOX 8000	BUFFALO	NY	14267	USA
SYNERGY GLOBAL SOLUTIONS INC	CISCO NETWORK EQUIPMENT	Commodities/Supplies	Purchased Under State Contract					217662.2	PO BOX 8000	BUFFALO	NY	14267	USA
SYNERGY GLOBAL SOLUTIONS INC	CISCO TRANSIVER MODULE-CIRCUIT TERMINAT	Commodities/Supplies	Purchased Under State Contract					2726.6	PO BOX 8000	BUFFALO	NY	14267	USA
SYNERGY GLOBAL SOLUTIONS INC	LAPTOP/TABLET TESTING	Commodities/Supplies	Non Contract Procurement/Purchase Order					4857.91	PO BOX 8000	BUFFALO	NY	14267	USA
SYNERGY GLOBAL SOLUTIONS INC	NETWORK UPGRADE	Commodities/Supplies	Purchased Under State Contract					29114.92	PO BOX 8000	BUFFALO	NY	14267	USA
SYNERGY GLOBAL SOLUTIONS INC	PHONE SYSTEM UPGRADE - SWTP	Commodities/Supplies	Purchased Under State Contract					31496.42	PO BOX 8000	BUFFALO	NY	14267	USA
SYNERGY GLOBAL SOLUTIONS INC	CISCO MAINTENANCE RENEWAL	Design and Construction/Maintenance	Purchased Under State Contract					2136.9	PO BOX 8000	BUFFALO	NY	14267	USA
SYSTEMS MANAGEMENT PLANNING	FIREWALL EQUIPMENT	Commodities/Supplies	Purchased Under State Contract					40465.25	1020 JOHN STREET	W HENRIETTA	NY	14586	USA
SYSTEMS MANAGEMENT PLANNING	VPN LICENSES	Commodities/Supplies	Purchased Under State Contract					3424.75	1020 JOHN STREET	W HENRIETTA	NY	14586	USA
SYSTEMS MANAGEMENT PLANNING	PHONE SYSTEM UPGRADE	Commodities/Supplies	Purchased Under State Contract					46320	1020 JOHN STREET	W HENRIETTA	NY	14586	USA
SYSTEMS MANAGEMENT PLANNING	CONSULTING	Consulting Services	Authority Contract - Competitive Bid	2/23/2016	N		11245	11245	1020 JOHN STREET	W HENRIETTA	NY	14586	USA
SYSTEMS MANAGEMENT PLANNING	LICENSE RENEWAL FOR VMWARE SOFTWARE	Design and Construction/Maintenance	Purchased Under State Contract					14335.57	1020 JOHN STREET	W HENRIETTA	NY	14586	USA
TSC SOLUTIONS CONCEPTS INC	CYBERLOCKS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	8/2/2016	N		6282.64	6282.64	SUITE 152	NEW YORK	NY	10011	USA
TECHNICAL SYSTEMS GROUP INC	SECURITY EQUIPMENT	Other Professional Services	Authority Contract - Non-Competitive Bid	1/1/2016	Y	12/31/2016	50164.67	50164.67	1799 N CLINTON AVENUE	ROCHESTER	NY	14621	USA
TERMATEC MOLDING INC	MOLDING PIECE: METER TAMPER LOCK	Commodities/Supplies	Authority Contract - Non-Competitive Bid	9/20/2016	N		11000	11000	PO BOX 96	SODUS	NY	14551	USA
TERRY TREE SERVICE LLC	EMERGENCY TREE SERVICE	Commodities/Supplies	Purchased Under State Contract					10129.21	225 BALLANTYNE ROAD	ROCHESTER	NY	14623	1907 USA
TERRY TREE SERVICE LLC	TRIPLE GROUND BROWN MULCH	Commodities/Supplies	Purchased Under State Contract					3255	225 BALLANTYNE ROAD	ROCHESTER	NY	14623	1907 USA
THE BANK OF NEW YORK MELLON	TRUSTEE SERVICES 2010A AND B SERIES BONDS	Financial Services	Authority Contract - Competitive Bid	12/9/2010	N		13290	13290	PO BOX 392013	PITTSBURGH	PA	15251	USA
THE GOODYEAR TIRE & RUBBER CO	NYS CONTRACT TIRES	Commodities/Supplies	Purchased Under State Contract					24599.14	PO BOX 847286	DALLAS	TX	75284	USA
THE WESCOTT GROUP INC	WA 121420 MAINTENANCE SUPPLIES ESOC	Commodities/Supplies	Authority Contract - Competitive Bid	1/15/2017	Y	1/14/2018	13600.21	10379.97	225 MUSHROOM BOULEVARD	ROCHESTER	NY	14623	USA
THE WESCOTT GROUP INC	JANITORIAL SUPPLIES AND EQUIPMENT	Commodities/Supplies	Non Contract Procurement/Purchase Order					944.68	225 MUSHROOM BOULEVARD	ROCHESTER	NY	14623	USA
TRUSTEE OF MONROE SECURITY AND	PUBLIC SAFETY AND SECUTITY SERVICES	Other Professional Services	Authority Contract - Competitive Bid	9/10/2009	N		1850000	1850000	1 M&T PLAZA 7TH FLOOR	BUFFALO	NY	14203	USA
TWOCOAST CONSULTING INC	ORACLE DBA SERVICES	Consulting Services	Authority Contract - Competitive Bid	1/1/2014	Y	12/10/2016	120060	34980	23 TROUT CREEK RUN	HONEYEY FALLS	NY	14472	USA
U.S. POSTAL SERVICE	POSTAL METER 2016	Commodities/Supplies	Non Contract Procurement/Purchase Order					49000	PO BOX 7247-0217	PHILADELPHIA	PA	19170	217 USA
WA 112219 REPLACEMENT UNIFORMS	WA 112219 REPLACEMENT UNIFORMS	Commodities/Supplies	Authority Contract - Competitive Bid	12/14/2015	Y	12/13/2017	51172	16587.88	376 JEFFERSON ROAD	ROCHESTER	NY	14623	USA
UNIFORM VILLAGE INC.	UNIFORMS	Commodities/Supplies	Non Contract Procurement/Purchase Order					466.18	376 JEFFERSON ROAD	ROCHESTER	NY	14623	USA
UNITED BUSINESS SYSTEMS	CANON C5250 COPIER - MONTHLY CHARGE	Commodities/Supplies	Non Contract Procurement/Purchase Order					5441.71	316 SENECA STREET	BUFFALO	NY	14204	USA
UTILITRONICS	LOCATOR REPAIR	Commodities/Supplies	Authority Contract - Non-Competitive Bid	8/19/2016	N		5619.83	5619.83	PO BOX 1616	PLAINVILLE	MA	2762	USA
UTILITRONICS	LOCATORS & RELATED	Commodities/Supplies	Non Contract Procurement/Purchase Order					4515.28	PO BOX 1616	PLAINVILLE	MA	2762	USA
UTILITY MANAGEMENT SERVICES	FIRE HYDRANT INSPECTION SERVICES	Design and Construction/Maintenance	Authority Contract - Competitive Bid	4/16/2015	Y	12/31/2016	337273.2	337273.2	SUITE 2	ROCHESTER	NY	14624	USA
VAN BORTEL FORD INC	WA 051609 2016 CHEVY SILVERADOS	Commodities/Supplies	Authority Contract - Competitive Bid	6/14/2016	N		57600	57600	71 MARSH ROAD	E ROCHESTER	NY	14445	USA
VAN BORTEL FORD INC	VEHICLE PARTS	Commodities/Supplies	Purchased Under State Contract					11202.81	71 MARSH ROAD	E ROCHESTER	NY	14445	USA
VELLANO BROS INC	MISC WATER MAIN/SERVICE MATERIALS	Commodities/Supplies	Non Contract Procurement/Purchase Order					9541.7	7 HEMLOCK STREET	LATHAM	NY	12110	USA
VERIZON WIRELESS	CELL PHONE CHARGES	Telecommunication Equipment or Services	Authority Contract - Competitive Bid	10/14/2010	N		31320	25351	PO BOX 408	NEWARK	NY	7101	USA
VICTOR CHEVROLET	NEW 2016 CHEVROLET EQUINOX	Commodities/Supplies	Authority Contract - Competitive Bid	3/11/2016	N		63675	63675	7200 VICTOR PITTSFORD RD	VICTOR	NY	14564	USA
VILLAGE OF FAIRPORT	WATER DISTRICT LEASE EXPENSE	Other	Authority Contract - Competitive Bid	10/14/2010	N		50460	44662.5	31 SOUTH MAIN STREET	FAIRPORT	NY	14450	USA
VILLAGER CONSTRUCTION INC	2015 SERVICE AND WATER MAIN CONTRACT	Design and Construction/Maintenance	Authority Contract - Competitive Bid	4/8/2015	N		505985	1227569	425 OLD MACEDON CTR ROAD	FAIRPORT	NY	14450	USA
VILLAGER CONSTRUCTION INC	FUSE 12 INCH HDPE PIPE FOR POND OVERFLOW	Commodities/Supplies	Authority Contract - Non-Competitive Bid	9/20/2016	N		1978.41	1978.41	425 OLD MACEDON CTR ROAD	FAIRPORT	NY	14450	USA
VILLAGER CONSTRUCTION INC	EMERGENCY PAVEMENT REPAIR	Design and Construction/Maintenance	Authority Contract - Non-Competitive Bid	8/10/2016	N		89298.54	89298.54	425 OLD MACEDON CTR ROAD	FAIRPORT	NY	14450	USA
VILLAGER CONSTRUCTION INC	EMERGENCY REPAIR - PANORAMA TRAIL	Design and Construction/Maintenance	Authority Contract - Non-Competitive Bid	5/5/2016	N		32908.35	32908.35	425 OLD MACEDON CTR ROAD	FAIRPORT	NY	14450	USA
VILLAGER CONSTRUCTION INC	EMERGENCY REPAIR-REGINA DRIVE	Design and Construction/Maintenance	Authority Contract - Non-Competitive Bid	4/27/2016	N		13060	13060	425 OLD MACEDON CTR ROAD	FAIRPORT	NY	14450	USA
VILLAGER CONSTRUCTION INC	EMERGENCY PAVEMENT REPAIR	Design and Construction/Maintenance	Authority Contract - Non-Competitive Bid	8/16/2016	N		81943.09	81943.09	425 OLD MACEDON CTR ROAD	FAIRPORT	NY	14450	USA
VILLAGER CONSTRUCTION INC	2015 CATHODIC PROTECTION PROGRAM	Design and Construction/Maintenance	Authority Contract - Competitive Bid	9/28/2015	N		293837.5	21025.33	425 OLD MACEDON CTR ROAD	FAIRPORT	NY	14450	USA
VILLAGER CONSTRUCTION INC	EMERGENCY 20 INCH MAIN REPAIR-HIGH FALLS	Design and Construction/Maintenance	Authority Contract - Non-Competitive Bid	8/17/2016	N		16356.41	16356.41	425 OLD MACEDON CTR ROAD	FAIRPORT	NY	14450	USA
VP SUPPLY CORP	BRASS ITEMS	Commodities/Supplies	Purchased Under State Contract					7132.97	PO BOX 23868	ROCHESTER	NY	14692	3868 USA
VP SUPPLY CORP	MISC WATER MAIN/SERVICE MATERIALS	Commodities/Supplies	Non Contract Procurement/Purchase Order					3113.85	PO BOX 23868	ROCHESTER	NY	14692	3868 USA
VP SUPPLY CORP	2 INCH BACKFLOW PREVENTERS	Commodities/Supplies	Authority Contract - Non-Competitive Bid	7/20/2016	N		1693.8	1693.8	PO BOX 23868	ROCHESTER	NY	14692	3868 USA
WASTE MGMT OF NY-ROCHESTER	DUMPSTER SERVICE	Commodities/Supplies	Non Contract Procurement/Purchase Order					8561.4	PO BOX 13648	PHILADELPHIA	PA	19101	USA
WATER RESEARCH FOUNDATION	SUBSCRIPTION WATER RESEARCH FOUNDATION	Other	Authority Contract - Non-Competitive Bid	1/1/2013	N		10592	10592	6666 WEST QUINCY AVENUE	DENVER	CO	80235	USA
WEY BANK	UNIVERSAL FUEL FLEET CARD	Commodities/Supplies	Purchased Under State Contract					208912.8	PO BOX 6293	CAROL STREAM	IL	60197	USA
WILLIS OF NEW YORK INC	BROKER FOR MISC INSURANCE	Commodities/Supplies	Authority Contract - Competitive Bid	4/16/2015	Y	4/15/2018	280931	19086	PO BOX 4557	NEW YORK	NY	10249	USA
WORKFIT MEDICAL	ASBESTOS EXAMS	Other Professional Services	Authority Contract - Competitive Bid	1/1/2016	Y	12/31/2017	11383	11383	SUITE 200	ROCHESTER	NY	14624	USA
XEROX CORPORATION	PRINTER COPIER LEASE REPLACEMENT	Commodities/Supplies	Non Contract Procurement/Purchase Order					12348.38	PO BOX 802555	CHICAGO	IL	60680	USA
XYLEM DEWATERING SOLUTIONS INC	REPLACEMENT PUMPS-DENISE RESERVOIR	Commodities/Supplies	Authority Contract - Non-Competitive Bid	5/3/2016	N		5238.26	5238.26	28611 NETWORK PLACE	CHICAGO	IL	60673	USA
ZELLER ELECTRIC	HAREX BOOSTER STATION 3 PUMP	Commodities/Supplies	Purchased Under State Contract					7321.4	SUITE 800	ROCHESTER	NY	14607	USA
ZELLER ELECTRIC	ELECTRICAL SUPPLIES	Commodities/Supplies	Non Contract Procurement/Purchase Order					6291.97	SUITE 800	ROCHESTER	NY	14607	USA
ZELLER ELECTRIC	VARIABLE SPEED DRIVE CONTROLLERS - CORFU	Commodities/Supplies	Purchased Under State Contract					3333	SUITE 800	ROCHESTER	NY	14607	USA
ZELLER ELECTRIC	SQUARE D EQUIPMENT	Commodities/Supplies	Purchased Under State Contract					52071	SUITE 800	ROCHESTER	NY	14607	USA



MEMORANDUM

TO: Nicholas A. Noce

FROM: Richard Metzger, P.E. *RM*

SUBJECT: Standardization – Foxboro Pressure Transmitters

DATE: November 30, 2016

Foxboro Pressure Transmitters have been incorporated into our monitoring and control systems for decades. MCWA has previously standardized on Foxboro Pressure Transmitters and this standardization was last approved by the Board in December 2013.

Staff has determined that Foxboro Pressure Transmitters are the most efficient and economic pressure transmitter currently available for the Monroe County Water Authority (MCWA) for the following reasons:

- ***Design and Construction:*** Pressure Monitoring is one of our most important control parameters. The standardization on a single brand of pressure transmitter allows for a quick and easy replacement of a failed unit due to the fact that the wiring and process piping connections would use an identical transmitter. This is a rugged and proven pressure transmitter that performs well in our rough environments, especially in our underground valve and tank vaults. Reliability has been outstanding with the Foxboro pressure transmitters.
- ***Compatibility:*** Foxboro pressure transmitters have become the standard for pressure transmitters at both the Shoremont and Webster Treatment Plants, at remote pump stations, and storage tanks. Foxboro Pressure Transmitters are used for suction and discharge pressure monitoring at our booster pump stations and tank level monitoring in our distribution system.
- ***Economical:*** Staff recently updated an informal cost comparison on pressure transmitters using Foxboro and others vendors such as Rosemount, Siemens and Endress & Hauser. We found the quotes of Foxboro to be lower than its competitors in most cases. Additionally, the amount of money spent each year to replace existing units that have failed or have become obsolete is minimal, under \$15,000 per year. Installation at a new pump station costs approximately \$1,600 to monitor the suction and discharge pressures. A new storage tank approximately \$800 to monitor the tank level. When used for flow-rate applications the cost is about \$1,600.

- ***Inventory:*** The Shoremont Instrumentation Group maintains at least one spare transmitter for each of our three gauge pressure ranges and two transmitters for our differential pressure ranges. Adding a second brand of pressure transmitters will require additional the Authority to maintain a larger inventory of spare pressure transmitters.
- ***Trained Employees:*** The Instrumentation Maintenance staff is trained in the installation, configuration and calibration of Foxboro pressure transmitters, which includes the specific software used to calibrate and configure these units. Installing a different transmitter will require training in the configuration and calibration procedures required for the new transmitter. Mean time to repair is minimized due to staff understanding this transmitter.



MONROE COUNTY WATER AUTHORITY

P.O. Box 10999 • 475 Norris Drive • Rochester, New York 14610-0999

Phone: (585) 442-2000 Fax (585) 442-0220

CERTIFICATION

I certify that the purchases of Coliform Enzyme Substrate Test Reagent from IDEXX; Neptune water meters; Foxboro pressure transmitters; Hach Company turbidimeters, chlorine meters, colorimeters; and Allen Bradley programmable controllers without competitive bidding were reviewed and complied with the Monroe County Water Authority's Procurement Guidelines regarding standardization of certain products.

Nicholas Noce

Nicholas Noce
Executive Director

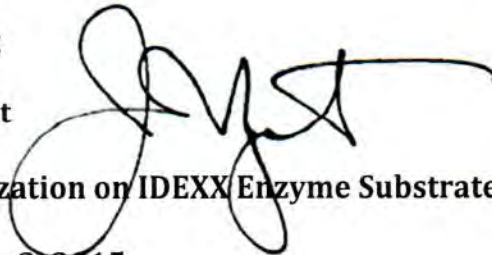
3/15/17

Date



MEMORANDUM

TO: Chris King

FROM: Jim Nugent 

SUBJECT: Standardization on IDEXX Enzyme Substrate Products

DATE: September 2, 2015

In 2009 and again in 2013, MCWA standardized on IDEXX enzyme substrate coliform analysis products for our microbiological testing. **Based on an updated evaluation, I am recommending that the Authority continue the standardization of IDEXX reagents and supplies for bacteriological testing.**

My recommendation is based on the following:

- Economy – MCWA must maintain NYS ELAP Certification for the bacteriological procedures that we use. Although the various enzyme substrate products available are all supposed to be equivalent, ELAP requires separate approvals for each manufacturer. The procedure to change annually to the low bid product or maintain multiple certifications for multiple products is in effect unworkable and would increase the chance of losing the lab's certification for Coliform testing, requiring contracting the testing out at considerable expense.
 - Changing certification requires two successive external proficiency tests at least fifteen days apart. In practice, this would take a month to complete and a week or longer to score before we could switch to a low bid product. During this period we would need to maintain certification for the method in use, which would require annual satisfactory PT results. Under ELAP rules, a failing test result in either the existing approved procedure, or the one we would be trying to switch to would result in losing the certification for both.
 - Coliform positives require significant labor follow-up (resampling, additional reporting) and MCL violations are negative high profile events. Our staff is very familiar with IDEXX enzyme substrate products which are very reliable and used by the majority of our industry. This reliability and familiarity goes a long way towards avoiding the significant costs, and public image problems associated with false-positives.

- Uniformity and back-up supply: MCDOPH and RWW both have chosen to use IDEXX enzyme substrate products exclusively. Different products all capture slightly different populations as Coliform positive which could complicate data comparisons and confirmations. Also, using the same reagent system as MCDOPH and RWW provides a readily available back-up supply.
- Trainings issues - There are significant training issues associated with switching to multiple reagent systems that are all slightly different in color response and procedure. The operating staff's familiarity with IDEXX enzyme substrate products and the simplicity of the methods has allowed us to perform certified on-site testing at the Webster Plant lab without additional staff or daily sample transport to the Shoremont Lab.
- Endangerment – The proven reliability of this product line as an industry standard and our staff's familiarity with it contributes greatly to the quality of our monitoring program and helps avoid the potential health risk associated with false-negatives and costs of false-positives.
- Market share as an indicator of a superior product - IDEXX still controls about 80% of the drinking water market.

Standardization would apply to all the items on the attached IDEXX Quote # 20142541 (attached) which is good until January 31, 2018.



IDEXX BPO CONTRACT

Number / Date
20142541 / July/24/2015

Ship to Address
MONROE COUNTY WATER AUTHORITY
4799 DEWEY AVE
ROCHESTER NY 14612-2423
UNITED STATES
UNITED STATES

Sold to Address
MONROE COUNTY WATER AUTHORITY
PO BOX 12697
ROCHESTER NY 14612-0697
UNITED STATES
UNITED STATES

Bill-to Customer 7316

Net weight 18.110

Material ID Commodity/COO	Description Batch	Exp. Date	Quantity Backorder item	Unit Price	Total Value
98-11682-00 3822005090/US	WP104 COLI P/A COMPARATOR		1	11.50	11.50
98-09226-00 3822005090/US	WQTC, PRE-DISP.QT COMPARA		1	22.50	22.50
98-09227-00 3822005090/US	WQT2KC, PRE-DISP.QT 2000		1	22.50	22.50
98-21675-00 3826909910/US	WQT2K QUANTI-TRAY 2000 DI		1	182.00	182.00
98-21378-00 3826909910/US	WQT100 QUANTI-TRAY DISPOS		1	133.00	133.00
98-09221-00 2832301000/US	WV120SBST-200, VESSELS W/S		1	124.26	124.26
98-06155-00 3826909910/MX	W1ML-PIP-25 1ML PIPETTES,		1	17.14	17.14
98-06156-00 3826909910/MX	W5ML-PIP-25 25-PACK 5ML P		1	17.14	17.14
98-09444-01 2853000095/US	WSW-10 STERILE WATER (10		1	38.11	38.11
98-20745-00 7326908530/US	WVR20 VESSEL RACK		1	38.11	38.11
98-05761-01 3822001090/US	WHPC-100 HPC, SIMPLATE MUL		1	238.96	238.96
98-12973-00 3822005090/US	WP200I GAMMA IRRAD COLILE		1	602.55	602.55
98-29000-00 3822005090/US	UN3373-WQC COLIFORM / E.		1	168.62	168.62
98-29006-00 3822005090/US	UN3373-WQC HPC		1	52.90	52.90

All local taxes at customer charge

MONROE COUNTY WATER AUTHORITY
REGULAR MEETING – September 10, 2015

In discussion of Item #15-183, Mr. King addressed the Members for approval of the standardization for the purchase of IDEXX reagents and supplies for bacteriological testing. In addition to Mr. King's reporting on this item, a memorandum detailing the justification to continue the Standardization for IDEXX products was enclosed in Board Members' packets of information on agenda items distributed in advance for their prior review.

#15-183

WHEREAS, the United States Environmental Protection Agency (USEPA), New York State Department of Health (NYSDOH) and Monroe County Department of Public Health (MCDOPH) require the Monroe County Water Authority (the Authority) to perform bacteriological testing to confirm compliance with governing water quality regulations; and

WHEREAS, the Authority will analyze approximately 12,000 combined treatment plant and distribution system samples per year; and

WHEREAS, the Authority has a need for an approved method for performing the required bacteriological analyses; and

WHEREAS, the Authority's staff has used the IDEXX Colilert methodology for about half of its bacteriological analyses for more than a decade; and

WHEREAS, the Authority has conducted tests of the other USEPA approved products and the process required to acquire Environmental Laboratory Accreditation Program (ELAP) approval to use them and concluded that they were not acceptable; and

WHEREAS, the Authority's Purchasing and Procurement Guidelines has Appropriate Circumstances for Standardization of Goods and Services under which several provisions would be satisfied; and

WHEREAS, the Authority desires to make certain that all of its future needs for approved bacteriological analyses products can be acquired.

NOW, THEREFORE, BE IT RESOLVED that:

1. In order to provide for the purchase or procurement of approved products for bacteriological analyses the Authority hereby establishes the Standardization of IDEXX Colilert reagents and supplies.
2. The Authority authorizes the purchase agreement for IDEXX Colilert products at the unit prices proposed for an annual budget amount of \$30,000 and for a term not to exceed three (3) years.
3. The Officers of the Authority are hereby authorized and directed for and on behalf of the Authority and in its name to do all acts and things required or as may be necessary, or in the opinion of the officer so acting, desirable and proper to effect the purposes of the foregoing resolutions and to cause compliance by the Authority with all of the provisions of the foregoing resolutions.

On a motion made by Mr. Rulison, seconded by Ms. Bleier-Mervis, and duly put to a vote on roll call, the foregoing resolution #15-183 unanimously carried. AYES: 5 (Magguilli, Nasca, Hurlbut, Bleier-Mervis, Rulison); NAYS: 0.



Memorandum

TO: Kathleen Prestidge, Director of Finance & Business Services Date: April 8, 2015
From: Ron Habecker, Supervisor of Meter Services *RRH* File:
Subject: Standardization of Small Meters Copies:

On June 6, 2012, Wayne Zyra presented a recommendation that MCWA should continue with its use of the Automatic Meter Reading (AMR) system. Based on the study by the Amawalk Consulting Group, it was recommended that MCWA standardize its procurement of 5/8-inch to 2-inch meters with Neptune Technology Group.

At the time of the recommendation, MCWA had installed approximately 32 thousand Neptune AMR meters in its system. We currently are now over 70 thousand AMR meters. That brings the total financial commitment of MCWA funds to just under \$10 million excluding installation costs. The plan is to continue to replace 10 thousand residential meters per year until we have the whole system converted to Neptune AMR meters. The cost of replacing 10 thousand meters a year will be approximately \$1.5 million plus installation costs.

Since we started installing Neptune AMR meters in 2006, there have been two separate incidents where we have had minor register failures. Both times, Neptune Technology Group helped identify and correct the problem. Neptune stood behind their product by replacing the failed registers at no cost and also reimbursed MCWA for the labor costs involved with changing out the registers. As with any new product, I believe that there will always be challenges, and I am very comfortable and confident in Neptune's meters and how they have corrected these problems.

It is my recommendation that we continue with the standardization of the use of AMR meters with Neptune Technology Group.

/kl

MONROE COUNTY WATER AUTHORITY
REGULAR MEETING – June 11, 2015

FURTHER RESOLVED, that public interests will be prejudiced by delay and, accordingly, the Executive Director, or any agent he may designate, is authorized to petition the court for immediate possession and right of entry pursuant to EDPL §402 (B) (6); and it is

FURTHER RESOLVED, that the Executive Director, or any agent he may designate, shall retain the authority to negotiate the purchase of the Easements on terms determined reasonable by him during the pendency of the condemnation action should that course of action be deemed by him to be feasible and desirable; and it is

FURTHER RESOLVED, that the Executive Director, or any agent he may designate, shall execute any and all documents necessary in the opinion of counsel to the Authority to give effect to the resolutions made herein; and it is

FURTHER RESOLVED, that the Executive Director shall have the authority to take such other actions as he deems advisable and necessary in relation to obtaining the Easements.

On a motion made by Mr. Rulison, seconded by Mr. Nasca, and duly put to a vote on roll call, the foregoing resolution #15-136 unanimously carried. AYES: 5 (Quattrone, Magguilli, Nasca, Bleier-Mervis, Rulison); NAYS: 0.

* * *

Presented for Board Members' informational/notification purposes:

- Update to the Board on Third-Party Credit Card Processing. Kathleen Prestidge, Dir. of Finance & Business Services, provided a presentation to the Board on the new water bill payment feature available to MCWA customers.
- In Board folders for review:
 - Staff recommendation to continue with the current standardization on small meters.
 - Any routine monthly updates.

EXECUTIVE SESSION

#15-ES 9:50 a.m. Chairman Quattrone requested a motion to enter executive session under attorney-client privilege to discuss collective bargaining negotiations currently underway. Moved by Mr. Rulison, seconded by Mr. Nasca, and put to a vote on roll call, the Board unanimously agreed to enter executive session. AYES: 5 (Quattrone, Magguilli, Nasca, Bleier-Mervis, Rulison); NAYS: 0.

10:18 a.m. On a motion made by Mr. Rulison, seconded by Ms. Bleier-Mervis, the Board unanimously agreed to conclude executive session. Chairman Quattrone called this Regular Meeting back in open session. No formal action taken.

* * *

There being no further business to come before the Authority, Chairman Quattrone adjourned the meeting at 10:19 a.m.

Resolution #12-123

**RESOLUTIONS REGARDING RESIDENTIAL STANDARDIZING PURCHASES OF
SMALL METERS BY THE MONROE COUNTY WATER AUTHORITY**

WHEREAS, the Monroe County Water Authority (the "Authority") has initiated a program to accelerate the replacement of water meters that have been in service for more than 20 years, since, on average, meters tend to develop measurement inaccuracies as they reach 20 years of service life; and

WHEREAS, accurate measurement of water usage is important for determining overall system water losses and, ultimately, for properly setting water rates; and

WHEREAS, on January 14, 2010, the Authority adopted resolution #10-008 standardizing its source of large meters; and

WHEREAS, the Authority recently conducted a study to determine whether it could benefit from standardizing its source of small water meters; and

WHEREAS, the Authority also considered the results of a 2010 study of the water system conducted by the Authority's consultant, Amawalk Consulting Group, which included a recommendation that the Authority continue its use of automatic meter reading ("AMR") systems; and

WHEREAS, the Meter Services Department evaluated AMR meters from six different manufacturers for compliance with the Authority's criteria for standardizing small water meters, i.e., local conditions, compatibility and uniformity (the "Criteria"); and

WHEREAS, based upon the findings and recommendations of the Meter Services Department, the Authority has determined that Neptune brand AMR technology small water meters will best meet its small meter requirements and satisfy the Criteria.

NOW, THEREFORE, BE IT RESOLVED that:

1. In order to accomplish the objectives described above, the Authority hereby requires that all purchases of small water meters sized 5/8 inches to 2 inches (including any required ancillary equipment) must be made through the Neptune Technology Group. All standardized purchases shall include Neptune's AMR technology as currently configured in the E-CODER R900i model, including future upgrades.
2. The Officers of the Authority are hereby authorized and directed for and on behalf of the Authority and in its name to do all acts and things required or as may be necessary, or in the opinion of the officer so acting, desirable and proper to effect the purposes of the foregoing resolutions and to cause compliance by the Authority with all of the provisions of the foregoing resolutions.



MEMORANDUM

TO: Nicholas A. Noce

FROM: Richard Metzger, P.E. *RM*

SUBJECT: Standardization – Foxboro Pressure Transmitters

DATE: November 30, 2016

Foxboro Pressure Transmitters have been incorporated into our monitoring and control systems for decades. MCWA has previously standardized on Foxboro Pressure Transmitters and this standardization was last approved by the Board in December 2013.

Staff has determined that Foxboro Pressure Transmitters are the most efficient and economic pressure transmitter currently available for the Monroe County Water Authority (MCWA) for the following reasons:

- **Design and Construction:** Pressure Monitoring is one of our most important control parameters. The standardization on a single brand of pressure transmitter allows for a quick and easy replacement of a failed unit due to the fact that the wiring and process piping connections would use an identical transmitter. This is a rugged and proven pressure transmitter that performs well in our rough environments, especially in our underground valve and tank vaults. Reliability has been outstanding with the Foxboro pressure transmitters.
- **Compatibility:** Foxboro pressure transmitters have become the standard for pressure transmitters at both the Shoremont and Webster Treatment Plants, at remote pump stations, and storage tanks. Foxboro Pressure Transmitters are used for suction and discharge pressure monitoring at our booster pump stations and tank level monitoring in our distribution system.
- **Economical:** Staff recently updated an informal cost comparison on pressure transmitters using Foxboro and others vendors such as Rosemount, Siemens and Endress & Hauser. We found the quotes of Foxboro to be lower than its competitors in most cases. Additionally, the amount of money spent each year to replace existing units that have failed or have become obsolete is minimal, under \$15,000 per year. Installation at a new pump station costs approximately \$1,600 to monitor the suction and discharge pressures. A new storage tank approximately \$800 to monitor the tank level. When used for flow-rate applications the cost is about \$1,600.

- ***Inventory:*** The Shoremont Instrumentation Group maintains at least one spare transmitter for each of our three gauge pressure ranges and two transmitters for our differential pressure ranges. Adding a second brand of pressure transmitters will require additional the Authority to maintain a larger inventory of spare pressure transmitters.
- ***Trained Employees:*** The Instrumentation Maintenance staff is trained in the installation, configuration and calibration of Foxboro pressure transmitters, which includes the specific software used to calibrate and configure these units. Installing a different transmitter will require training in the configuration and calibration procedures required for the new transmitter. Mean time to repair is minimized due to staff understanding this transmitter.

MONROE COUNTY WATER AUTHORITY
REGULAR MEETING – December 12, 2013

In discussion of Item #13-220, Mr. Metzger addressed the Members for authorization to standardize on Foxboro pressure transmitters, referencing his detailed memorandum documenting the analysis by staff in recommendation of this standardization which was provided to the Board for their prior review.

#13-220 WHEREAS, the Monroe County Water Authority (the "Authority") has conducted an internal analysis of whether to standardize its supply of pressure transmitters to those made by the Foxboro Company ("Foxboro"); and

WHEREAS, the Authority based its review on whether standardizing would ensure efficiency, compatibility and reliability in monitoring pressures at its treatment plants and throughout its entire water distribution system; and

WHEREAS, the Authority's Production and Transmission Department has determined that Foxboro makes the most efficient and economic pressure transmitters currently available; and

WHEREAS, the benefits of Foxboro products include (i) the Authority has a significant inventory of spare Foxboro pressure transmitters, (ii) the Authority's Electrical and Instrumentation staff members have extensive training in the installation, configuration and calibration of Foxboro pressure transmitters and (iii) in order to minimize problems with pressure transmitters and the systems they control, the Authority has developed a standard system for layout, wiring and control of pressure transmitters that is based on the Foxboro product line.

NOW, THEREFORE, BE IT RESOLVED that:

1. In order to provide for the most efficient and economic source of pressure transmitters and for the reasons stated above, the Authority hereby requires that all its purchases or procurements of pressure transmitters and ancillary equipment be made using Foxboro products.
2. The Officers of the Authority are hereby authorized and directed for and on behalf of the Authority and in its name to do all acts and things required or as may be necessary, or in the opinion of the officer so acting, desirable and proper to effect the purposes of the foregoing resolutions and to cause compliance by the Authority with all of the provisions of the foregoing resolutions.

Moved By: W. Bleier-Mervis

Seconded By: J. Rulison

Vote: Passed Unanimously



MEMORANDUM

TO: Nicholas Noce

FROM: Richard Metzger, P.E. *ZEM*

SUBJECT: Standardization – Hach turbidimeters, chlorine meters, colorimeters

DATE: September, 30, 2014

The following documents the standardization analysis by staff for Hach Company turbidimeters, portable chlorine meters, colorimeters, and associated reagents. Board approval is requested.

For many years, Hach equipment was available under a State Contract. They do not currently have a State Contract, so the requested Board resolution will allow the Authority to continue to purchase these products.

Regulatory agencies require the Authority to monitor and report turbidity, chlorine residual and various water quality testing parameters to confirm compliance with water quality and operational regulations. The turbidimeters, portable chlorine meters, colorimeters, and associated reagents manufactured by Hach are the most accurate, efficient, reliable and economical systems for this purpose for the following reasons:

- *Economical:* Standardization on one manufacturer of turbidimeters, portable chlorine meters, colorimeters, and associated reagents allows the staff to stock only the spare parts and calibration standards for that manufacturer's instruments. The addition of a second manufacturer would necessitate purchasing and maintaining a second set of spare parts and calibration standards.
- *Design and Construction:* The standardization on a single manufacturer allows for quick and easy replacement of a failed instrument due to the fact that the wiring and process piping connections would not change.
- *Compliance:* Hach Company Instruments are EPA-certified for reporting purposes. Proper turbidity and chlorine residual monitoring is required by the Federal EPA and the New York State Department of Health. Hach Company turbidimeters, portable chlorine meters, colorimeters, and associated reagents are the overwhelming choice of domestic water suppliers.
- *Uniformity:* Selection of competitive products, although they would be certified as "equivalent", may yield slightly different results which can lead to operational, calibration and other data comparison problems.

- *Employee Training:* Staff is trained in the operation, maintenance and calibration procedures of Hach Company turbidimeters, portable chlorine meters and colorimeters. Repair time is minimized due to the maintenance staff's familiarity with one brand of instrument. The selection of competitive products would require additional training and knowledge for the operations, maintenance and laboratory staff.
- *Inventory:* The Authority currently has an extensive inventory of Hach Company instruments, including 37 online turbidimeters, 4 bench turbidimeters, and more than 20 portable residual meters, all of which are manufactured by Hach Company.

MONROE COUNTY WATER AUTHORITY
REGULAR MEETING – October 9, 2014

RESOLVED, that the Executive Director is authorized to enter into a professional services agreement for Professional Auditing Services with Bonadio & Company, LLP with principal offices at 171 Sully's Trail, Suite 201, Pittsford, New York 14534, all in accordance with a Proposal to Provide Auditing Services to the Monroe County Water Authority dated September 19, 2014 submitted by Bonadio & Company, LLP. All inclusive fees for conducting recurring services shall be based as submitted in their proposal dated September 19, 2014. This agreement is to provide Auditing Services for the fiscal years ending December 31, 2014, 2015, and 2016.

FURTHER RESOLVED, that this resolution shall take effect immediately.

Moved By: J. Rulison
Seconded By: S. Nasca
Vote: Passed Unanimously

For Item #14-173, Mr. King addressed the Members for award of the purchase of Supervisory Control and Data Acquisition (SCADA) Virtual Private Network (VPN) Telecommunications Services. He explained the contract is for the system by which much of the information is communicated to and from the Authority's facilities in the SCADA system; data communication lines. He also recapped bid results.

#14-173 Authorize the award of a unit price contract for the SCADA Virtual Private Network Telecommunications Services to the lowest responsive, responsible bidder; Frontier Communications of Rochester, Inc., in the bid amount of \$131,120 per year for a five year period.

Mr. Quattrone declared he is a retiree of Frontier with no financial interest.

Moved By: S. Nasca
Seconded By: L. Magguilli
Vote: Passed Unanimously

In discussion of Item #14-174, Mr. Metzger addressed the Members for authorization to standardize on Hach Company turbidimeters, portable chlorine meters, colorimeters and associated reagents, referencing his detailed memorandum documenting the analysis by staff in recommendation of this standardization which was provided to the Board for their prior review.

#14-174 WHEREAS, the United States Environmental Protection Agency (USEPA), New York State Department of Health (NYSDOH) and Monroe County Department of Public Health (MCDOPH) require the Monroe County Water Authority (the "Authority") to perform turbidity, chlorine residual and other water quality testing to confirm compliance with governing water quality regulations; and

WHEREAS, the Authority's Production Maintenance Staff has used Hach Company turbidimeters for more than 30 years, and has developed standard installation, maintenance and calibration procedures to simplify the troubleshooting and calibration of these units; and

WHEREAS, the Authority's Production Operations and Laboratory Staff is familiar with and trained in the operation of Hach turbidimeters, portable chlorine meters, colorimeters, and associated reagents and;

WHEREAS, the Authority has studied whether it should now standardize on Hach Company turbidimeters, portable chlorine meters, colorimeters, and associated reagents in order to maintain efficiency, compatibility and reliability in water quality monitoring; and

WHEREAS, the Authority's Purchasing and Procurement Guidelines has Appropriate Circumstances for Standardization of Goods and Services under which several provisions would be satisfied; and

WHEREAS, the Authority desires to make certain that all of its future needs for approved water quality analyses products can be acquired; and

WHEREAS, upon the recommendation of the Authority's Production and Transmission Department, the Authority has determined that Hach Company turbidimeters, portable chlorine meters, colorimeters, and associated reagents are the most accurate, efficient, reliable and economical systems currently available.

NOW, THEREFORE, BE IT RESOLVED that:



MEMORANDUM

TO: Nicholas A. Noce

FROM: Richard Metzger, P.E. *RAM*

SUBJECT: Standardization - Allen Bradley Programmable Controllers

DATE: October 22, 2014

The following documents the standardization analysis by staff for Allen Bradley Programmable Controllers. Board approval is requested.

Allen Bradley controllers and ancillary equipment (power supplies, I/O cards, cabling and displays) were uniformly incorporated into our SCADA control system that was designed and built in the late 1990's. Since then, MCWA has standardized on Allen Bradley programmable controllers and this standardization was last approved by the Board in October, 2011.

Staff has determined that Allen Bradley programmable controllers and ancillary equipment are still the most efficient and economical system currently available for the Water Authority for the following reasons:

- *Economical:* We currently have a significant spare parts inventory (circuit boards, power supplies, etc.) for the Allen Bradley programmable controller system. We also own the software licenses required to program this system. Purchasing a different programmable system would require us to purchase a new inventory of spare parts along with new software licenses.
- *Design and Construction:* The standardization on a single manufacturer allows for quick and easy replacement of failed equipment and compatibility with our existing SCADA design. The Webster Water Treatment Plant and the Lake Water Pump Station were both constructed with the next generation of Allen Bradley programmable controllers.
- *Uniformity:* Consistent layout, wiring and control logic software for our programmable controller systems simplifies the troubleshooting and understanding of these systems.
- *Employee Training:* We have invested a considerable amount of time training staff in the Allen Bradley system. A second programmable controller system would be more difficult to troubleshoot and repair, negatively impacting reliability. Repair time is minimized due to the maintenance staff's familiarity with one brand of instrument. The selection of competitive products would require additional training and knowledge for the operations, maintenance and laboratory staff.

- *Resources:* Allen Bradley programmable logic controllers have a large presence in the Rochester and North American market and this creates a significant and competitive pool of trained technical and engineering resources available to assist us.

The regional sole source vendor for Allen Bradley equipment is Horizon Solutions (letter attached) and there are currently no State or County contracts with Horizon Solutions. The requested Board resolution will allow the Authority to continue to purchase these controllers and ancillary equipment.

MONROE COUNTY WATER AUTHORITY
REGULAR MEETING – November 13, 2014

Moved By: W. Bleier-Mervis
Seconded By: A. Bernstein
Vote: Passed Unanimously

For Items #14-185, #14-186 and #14-187 – Mr. Noce reported these items are to amend three prior resolutions in order to reflect corrections to the NYS OGS Contract numbers listed in those prior resolutions.

#14-185 Amend resolution #12-160 (ref. 8/9/12) authorizing the purchase of various software licenses including Microsoft Office 2010 & Windows 7 from Dell Marketing LP under NYS OGS contract to reflect correction of the NYS OGS contract number as PT65196.

Moved By: S. Nasca
Seconded By: L. Magguilli
Vote: Passed Unanimously

#14-186 Amend resolution #13-215 (ref. 12/12/13) authorizing the purchase of various Microsoft licenses from Dell under NYS OGS contract to reflect correction of the NYS OGS contract number as PS66134.

Moved By: L. Magguilli
Seconded By: S. Nasca
Vote: Passed Unanimously

#14-187 Amend resolution #14-082 (ref. 4/17/14) authorizing the purchase of various Microsoft licenses from Dell under NYS OGS contract to reflect correction of the NYS OGS contract number as PS66134.

Moved By: W. Bleier-Mervis
Seconded By: A. Bernstein
Vote: Passed Unanimously

In discussion of Item #14-188, Mr. King addressed the Board for renewal of this standardization. He provided information on staff's continued determination that Allen Bradley programmable controllers are still the most efficient and economical system currently available for MCWA and referenced the memorandum from Mr. Metzger on the detailed analysis the Board had received for their prior review.

#14-188 WHEREAS, since the Monroe County Water Authority's (the "Authority") SCADA control system design selected, in the late 1990's, Allen Bradley programmable controllers for the purpose of monitoring and controlling our treatment plant, processes and operations at remote pump stations and storage facilities, and

WHEREAS, the Authority has studied whether it should standardize the source of programmable logic controllers in order to maintain the efficiency of and compatibility within the Authority's SCADA system; and

WHEREAS, the Electrical and Instrumentation staff has developed standard layout, wiring and control logic software of our programmable controller systems to simplify trouble-shooting these devices and the systems they control, and

WHEREAS, the Authority currently has a significant inventory of spare parts, including circuit boards and power supplies, for the existing Allen Bradley programmable controller systems, and

WHEREAS, purchasing a new programmable system would require the Authority to purchase a new inventory of spare parts along with new software licenses and requisite training, and

WHEREAS the Authority owns the software licenses required to program Allen Bradley programmable controllers, and

WHEREAS, the Authority's Purchasing and Procurement Guidelines has Appropriate Circumstances for Standardization of Goods and Services under which several provisions would be satisfied; and

Matthew Robie
300 Red Creek Drive, Suite 100
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Tel 585 259 2702
mdrobie@ra.rockwell.com

**Rockwell
Automation**

April 25, 2014

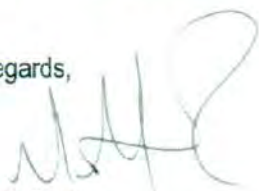
George Hanley
Monroe County Water Authority
475 Norris Dr
Rochester NY 14610

George,

Horizon Solutions located at 2005 Brighton-Henrietta Townline Rd, Rochester, NY 14623 and at 1300 College Ave, Elmira, NY 14901 is the only authorized Rockwell Automation / Allen-Bradley distributor for the following counties:

- Genesee (partial)
- Livingston
- Monroe
- Ontario
- Schuyler
- Seneca
- Tompkins
- Wayne
- Wyoming (partial)
- Yates
- Chemung
- Steuben
- Tioga (partial)

Regards,



Matt Robie
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