



# BLAUER ASSOCIATES



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September 12, 2019

Dwight Brown, SRF Program Services Coordinator  
Division of Engineering & Program Management  
New York State Environmental Facilities Corporation  
625 Broadway  
Albany, New York 12207-2997

Re: Village of New Paltz, Ulster County  
2019 NYS Water Infrastructure Improvement Grant (WIIA)  
Application Update - Water System Upgrades

Dear Dwight;

Enclosed is an electronic copy of the WIIA Drinking Water Annotated Application of the Village of New Paltz, including the related attachments and support documentation, for the Village's Water System Upgrades project. The main change from 2018 is that the Village is reverting to the work scope originally submitted with its 2017 WIIA application.

We look forward to your review of the Village's Water Grant application.

Should you have any questions about this application please contact Mayor Tim Rogers at 845-255-1413, Richard Ruth of Brinnier & Larios at 845-338-7622 or myself.

Thank you for the assistance you provided as we developed the Village's 2019 annotated application.

Sincerely,

Mark Blauer,  
President

Enclosures



GRANT APPLICATION

NYS WATER INFRASTRUCTURE IMPROVEMENT ACT (WIIA)

&

NYS INTERMUNICIPAL WATER INFRASTRUCTURE GRANTS (IMG) PROGRAM

DRINKING WATER

A. APPLICANT

Name of Applicant: Village of New Paltz County: Ulster

Federal I.D. Number: 14-6002335 DUNS Number: 037374667

Municipality(ies) Served (Water Authorities Only):

Cooperating Municipality(ies) (IMG Only):

\*\* If any of the project contacts have changed, please provided updated information

Highest Elected Official: Tim Rogers Phone: 845-255-1413

Title: Mayor Email: mayor@villageofnewpaltz.org

Mailing Address: 25 Plattekill Avenue, New Paltz, NY 12561

Authorized Representative: Tim Rogers Phone: 845-255-1413

Title: Mayor Email: mayor@villageofnewpaltz.org

Mailing Address: 25 Plattekill Avenue, New Paltz, NY 12561

Daily Contact Name: Mark Blauer Phone: 570-379-2552

Title: President Email: mblauer@evenlink.com

Company: Blauer Associates

Engineering Consultant: Richard Ruth Phone: 845-338-7622

Title: Professional Engineer Email: rruth@blengineers.com

Company: Brinnier & Larios, PC

B. GRANT CATEGORY

Identify the grant program(s) for which you are applying by checking the appropriate box or boxes below.

- [x] New York Water Infrastructure Improvement Act (WIIA) grant
[] Intermunicipal Water Infrastructure Grants (IMG) Program grant



### C. GENERAL INFORMATION

**Project Name:** Water System Upgrades - Village of New Paltz

**Project Location:** Village of New Paltz

41.745093 Latitude -74.083385 Longitude  
Provide in decimal format.

**District Name/** \_\_\_\_\_

**Project Service Area:** \_\_\_\_\_

Submit a water district or service area map with your application if applicable.

**Population of Project Service Area:** \_\_\_\_\_

**Municipalities Served**

**Users Served**

New Paltz Village	6,818

**\*\* Complete this table if your project serves more than one community. Must be completed by Water and Sewer Authorities.**

Attach a list if more space is needed. Users Served can be provided by %, population, EDUs, or flow allocation.

**Public Water Supply ID Number:** \_\_\_\_\_

**Design Start Date:** 3/20 (T / A) **\*\* Provide updated project schedule dates.**

**Construction Start Date:** 9/20 (T / A) **Construction End Date:** 6/21 (T / A)

Check "T" for a target date and "A" for an actual date

**Legislative Districts**  
(include multiple districts if applicable)

NY Senate <u>42</u>	NY Assembly <u>103</u>
_____	_____
_____	_____

To help identify your districts, visit:  
<https://www.elections.ny.gov/district-map/district-map.html>

### D. PROJECT INFORMATION

- Provide a brief description of your project.** **\*\* Complete Question 1 if your project scope has changed from your original application.**

(Note - Work scope is reverting to our original work scope proposed in June 2017)

The Village of New Paltz water system consists of approximately 37 miles of water main of varying materials and diameters from 2" to 16" with the majority of the system consisting of 8" water main. Approximately 7.3 miles of water main is contained within the SUNY campus. The entire distribution infrastructure serves the domestic, commercial and institutional users within the corporate limits of the Village of New Paltz including Town of New Paltz Water Districts 1 & 2. The Village of New Paltz contains portions of its water distribution that are approaching or exceeding 100 years in age and have outlived their life. The Village of New Paltz DPW is routinely burdened with repairing deteriorated broken watermains that are constructed of cast iron pipe of unknown age. The draft water audit has revealed that of all the water produced from the water treatment facility, 42% was classified as non-revenue water. This is indicative of unmetered or lost water through leakage. This is one of the highest non-revenue systems in the State as indicated by the water audit preparer. Many of the water service connections in the project locations consist of lead pipe and fittings.

The Village will undertake the replacement of water mains at at (1) Morning Star east to Aqueduct pump station, (2) Route 32 - from Main Street to Village boundary, (3) North Manheim Boulevard, (4) Prospect Street, (5) Huguenot Street - from Main Street to North Front Street and (6) South Chestnut Street - from Main Street to Southside Avenue.



- 2. If applying for an IMG Grant, describe how the joint project benefits the cooperating municipalities and is the best solution for an identified water quality problem.

Not Applicable

- 3. Which of the following categories does the project scope address?

Source     Treatment     Storage     Distribution

- 4. Has any portion of your source, treatment, or distribution system been compromised or created a situation where the system users were without water?

No     Yes    If yes, please explain.

- 5. Is the project required through an enforcement action, such as a DOH violation, DOH and/or EPA consent order, judicial order, compliance schedule?

No     Yes    If yes, indicate the type, date of execution and reason for the enforcement action as it relates to the project. Please submit a copy of the executed enforcement action or compliance order with the grant application.

\*\* Provide a current status update of your

- 6. Describe the project's community impacts, including but not limited to, public support for the project, critical community resources served by this project, or economic development impacts.

This project will reduce water loss, minimize main breaks, replace lead water services within the Village ROW and provide for greater water pressures throughout the water distribution system. More specifically this project will provide the following benefits: (1) Portions of the water distribution system in excess of 100 years old will be replaced; (2) Dislocation caused by the necessity of repairing broken cast iron pipes will be greatly reduced; (3) Replacing the oldest and most problem plagued portions of the water distribution system will reduce the current, excessive 42% of all treated water that is lost to water main leaks and breaks; and (4) Lead service pipes and fittings will be removed from the public water system on the six streets where water mains will be replaced by this project.



7. Is the project identified in any regional planning initiatives (e.g. a Comprehensive Plan, Regional Planning document, Waterfront Revitalization Plan, Watershed Plan or Estuary Plan)?

No  Yes If yes, describe below and attach applicable documents:

The local planning document is the "Village and Town of New Paltz, NY Draft Water Demand Management Plan" dated April 18, 2015. At "Water Demand Management Program Measures and Options" that report notes: "Water loss control including component analysis of real losses, comprehensive lead detection, water main and service line repair, and pressure management.

8. Does the project require easements or land acquisition?

No  Yes If yes, describe the status of obtaining the easements and/or land. If the process has been completed, attach the Title Certification and/or proof of easement acquisition.

Refer to the signed June 14, 2017 Right-Of-Way Certificate included within our June 2017 WIIA application that confirms that the Village has acquired and presently holds continuous and adequate ROW need for construction, operation and maintenance of water distribution facilities to be replaced.

9. Describe the current status of the project and your ability to demonstrate readiness to proceed including, but not limited to, an executed engineering agreement for design services, executed professional services agreements, detailed project schedule, and plans and specifications.

The Village's consulting engineer, Brinnier & Larios, PC, has prepared a detailed engineering report that is included with this 2019 WIIA application. We are prepared to proceed with the procurement of professionals within 60 days of award announcement by EFC.

10. Does the project require a debt exclusion approval from the Office of the State Comptroller (OSC)?

No  Yes If yes, describe the status. If the debt exclusion has been approved, attach the OSC approval letter.

11. Has the Applicant submitted timely annual financial reports to OSC for each of the last three years?

No  Yes If no, please explain:



**E. TOTAL PROJECT BUDGET** \*\* Update Table if your project costs have changed from your original application.

Please add line items to the budget as needed. If you have additional questions, please call EFC or refer to the Intended Use Plan.

Category	Estimated Costs
1. Construction Costs	
Contract 1	\$ 3,896,200
Contract 2	\$
Contract 3	\$
Contract 4	\$
2. Engineering Costs	
a. Planning	\$
b. Design	\$ 515,000
c. Construction	\$ 299,000
d. Other	\$
3. Other Expenses	
a. Local Counsel	\$
b. Bond Counsel	\$
c. Work Force	
- Technical	\$
- Administrative	\$
d. Fiscal Services	\$
e. Net Interest	\$
f. Miscellaneous (please describe)	\$
	\$
	\$
	\$
4. Equipment	\$
5. Land Acquisition	\$
6. Contingencies	\$ 391,000
7. Total Project Costs (sum lines 1-6)	\$ 5,101,200



**F. PLAN OF FINANCE** \*\* Update Plan of Finance if your project planning has changed from your original application.

Please include all sources of funding available to pay the total project costs from Line 7 of the Total Project Budget on Page 5.

Municipal Contributions Amount: \$ \_\_\_\_\_

Source: \_\_\_\_\_

Municipal Interfund Borrowing Amount: \$ \_\_\_\_\_

DWSRF Financial Assistance Amount: \$ \_\_\_\_\_

The project is currently listed on 2019 Intended Use Plan (IUP)  
DWSRF Project Number: \_\_\_\_\_

A project listing for the 2020 IUP will be submitted

Note: If awarded an IMG grant, the project will not be eligible for subsidized financing through EFC and will only be eligible to apply for market rate financing.

Non-EFC Debt

Type (BAN, Bonds, other)	Amount	Issue Date	T/A*	Call Date**
Bonding	\$ 2,040,480	July 1, 2020	( <input checked="" type="checkbox"/> T / <input type="checkbox"/> A)	NA
_____	\$ _____	_____	( <input type="checkbox"/> T / <input type="checkbox"/> A)	_____
_____	\$ _____	_____	( <input type="checkbox"/> T / <input type="checkbox"/> A)	_____

\*Check "T" for a target date and "A" for an actual date of BAN issuance

\*\*If a BAN is callable, please provide call date; if not callable enter N/A

Non-EFC Grants

Grant or Grant Type	Amount	Status (provide dates)	
		Applied	Approved
_____	\$ _____	_____	_____
_____	\$ _____	_____	_____
_____	\$ _____	_____	_____

Other Funding, please describe:





**G. REQUIRED DOCUMENTS**

1. The following documents are **required and must be submitted with all applications** if not previously submitted to DOH/EFC. If any of these items are unavailable, do not continue with the application at this time.

Enclosed	Previously Submitted to EFC	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Engineering Report</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Smart Growth Assessment Form</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Environmental Review Determination</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>SHPO Project Review Determination Letter</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Authorizing Resolution (Certified)</b>

2. The following documents are **required as indicated and must be submitted with the application** if not previously submitted to EFC. If any of these items apply to your project and are unavailable, do not continue with the application at this time.

Enclosed	Previously Submitted to EFC	Not Applicable	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Project Intermunicipal Agreement (Valid and Binding)</b> <i>(Required if applying for IMG)</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>DWSRF Financing Application</b> <i>(Required if applying for WIIA or IMG grants with DWSRF Financing)</i>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Water District Documentation, including any OSC Approvals</b> <i>(Required for WIIA or IMG if applicable to your project)</i>



## H. ACKNOWLEDGEMENTS

1. Upon submission of this application, you acknowledge your responsibility to comply with New York State Executive Law, Article 15-A with respect to Minority and Women's Business Enterprise (MWBE) participation and Equal Employment Opportunity (EEO) requirements, and Article 17-B with respect to Service-Disabled Veteran-Owned Business (SDVOB). By checking this box, you acknowledge that you are aware of these obligations and that you are authorized to make this acknowledgement on behalf of the applicant.

MWBE Goals for IMG with DWSRF financial assistance - 24%

MWBE Goals for WIIA with DWSRF financial assistance - 26%

MWBE Goals for WIIA or IMG without DWSRF financial assistance - 30%

EEO goals for all applicants - % varies by County (<http://www.efc.ny.gov/mwbe>)

SDVOB goals without DWSRF financial assistance – 6%

SDVOB goals are not required, but encouraged, with DWSRF financial assistance

Acknowledged

2. Upon submission of this application, you acknowledge that to receive financial assistance through the DWSRF, you will need to meet federal requirements. These requirements include, but are not limited to, Davis-Bacon Federal Prevailing Wage and related acts, and American Iron and Steel. Recipients of financial assistance will be required to perform certain actions to verify compliance and ensure certain provisions are contained in all contracts and subcontracts. By checking this box, you acknowledge that you are aware of these requirements and that you are authorized to make this acknowledgement on behalf of the Applicant.

Acknowledged

Please refer to the current IUP for additional detail regarding your responsibilities under these programs.



**I. SIGNATURE FOR GRANT APPLICATION** \*\* Sign revised application.

CERTIFICATION: On behalf of the Applicant, and in accordance with the board resolution by the Village Board of the Village of New Paltz

\_\_\_\_\_  
(Governing Body of Municipal Applicant)

authorizing me to do so, I apply for a WIIA grant and/or IMG grant for the project described in this application. By signing this application, I certify and agree on behalf of the Applicant and its governing body that all of the information contained in this application, in other statements and exhibits attached hereto or referenced herein, and in all statements, data and supporting documents which have been made or furnished for the purpose of receiving a WIIA grant or IMG grant for the project described herein, are true, correct and complete to the best of my knowledge and belief.

I further agree on behalf of the Applicant that, if DWSRF assistance is provided for the project described in this application, the Applicant shall comply with all applicable provisions of the Federal Safe Drinking Water Act, 42 U.S.C. §§ 300f, et seq., and applicable provisions of state law, codified under Chapter 413 of the Laws of New York of 1996, 10 NYCRR Part 53, and 21 NYCRR Part 2604, as amended, regarding DWSRF assistance.

I further agree that the Applicant will comply with the provisions of the Minority and Women's Business Enterprise – Equal Employment Opportunity requirements of Article 15-A of the New York State Executive Law and will maintain such records and take such actions necessary to demonstrate such compliance throughout the construction of the project.

Further, I acknowledge that offering a written instrument knowing that the written instrument contains a false statement or false information, with the intent to defraud the State or any political subdivision, public authority or public benefit corporation of the State, with the knowledge or belief that it will be filed with or recorded by the State or any political subdivision, public authority or public benefit corporation of the State, constitutes a crime under New York State Law.

\_\_\_\_\_  
(Signature of Authorized Representative)

September 11, 2019

\_\_\_\_\_  
(Date)

Tim Rogers, Mayor

\_\_\_\_\_  
(Name and Title)

Village of New Paltz

\_\_\_\_\_  
(Municipal Applicant)

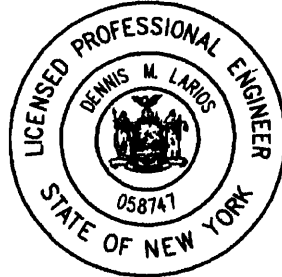
**WATER SYSTEM UPGRADES**

**ENGINEERING REPORT**

**VILLAGE OF NEW PALTZ**

Ulster County, New York

August 2019



Dennis M. Larios, P.E.

**PREPARED FOR:**

**VILLAGE OF NEW PALTZ**

Timothy E. Rogers, Mayor

Trustees

William Murray

KT Tobin

Alexandria Wojcik

Michele Zipp

Bleu Terwilliger, Superintendent of Public Works

Alberta Shaw, Village Clerk

Nancy Branco, Village Treasurer

**PREPARED BY:**

Brinnier and Larios, P.C.

Professional Engineers and Land Surveyors

67 Maiden Lane

Kingston, New York 12401

(845) 338-7622

## **Introduction**

This report is prepared for purposes of identifying critical water distribution infrastructure requirements for the Village of New Paltz, Ulster County New York. The report is generally presented using the guidelines for Engineers' Report identified in the *Recommended Standards for Water Works, 2007 Edition, Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers*

## **Description of Existing Water Works and Sewerage Facilities**

### *Water Works*

The Village of New Paltz Water System serves the Village of New Paltz including the State University of New York College at New Paltz and 259 users in the Town of New Paltz. Users within the water system are comprised of predominantly residential and commercial users with the major institutional user, the State University of New York, College at New Paltz. The Village is comprised of approximately 1.76 square miles and has a domestic water use population of almost 6,000 people. When the State University is in session, the user population in the Villages' water system increases to approximately 14,000.

The Village of New Paltz Water System consists of approximately 37 miles of water main of varying materials and diameters from 2" to 16" with the majority of the system consisting of 8" water main. Approximately 7.3 miles of water main is contained within the SUNY campus. The entire distribution infrastructure serves the domestic, commercial and institutional users within the Corporate Limits of the Village of New Paltz including Town of New Paltz Water Districts 1 & 2.

The water sources for the Village of New Paltz consist of the Catskill Aqueduct, part of the New York City Department of Environmental Protection, Bureau of Water Supply and four small reservoirs owned and maintained by the Village of New Paltz. The Village's reservoirs consist of three small upland reservoirs and an emergency standby reservoir for use when New York City shuts down the aqueduct. The combined capacities of these reservoirs are approximately 8-9 million gallons, approximately 10 days of storage prior to treatment. The Village also owns and maintains two finished water storage tanks on the easterly side of the water system consisting of two 1.5 million gallon concrete water storage tanks. The tanks provide adequate storage and water pressures for the Villages water system. The two tanks also provide service to the adjacent Town of New Paltz Water District No. 1 & 2, which consists of approximately 27 residential customers in the Cherry Hill area, 45 commercial/business properties on Main Street and Putt Corners Road, the New Paltz High School and the NYSDEC Region 3 offices on South Putt Corners Road. The Villages water system is wholly contained within the Village corporate limits and Town Water Districts 1 & 2. The current monthly average demand for users in the Villages water system is generally between 650,000 and 800,000 gallons per day.

*WATER SYSTEM UPGRADES ENGINEERING REPORT  
VILLAGE OF NEW PALTZ*

In the late 1980's, the Village constructed a water treatment facility capable of treating either the raw water source from the Village's Reservoirs or from the NYC Catskill Aqueduct. Treatment at the plant consists of prechlorination, absorption clarification, mixed media filtration and post chlorination prior to introduction into the distribution system. The treatment facility has a capacity to treat slightly greater than 2 mgd.

*Sewerage Facilities*

The Village of New Paltz sanitary sewer system lies within the corporate limits of the Village of New Paltz and serves the entire Village and the State University of New York @ New Paltz.

The sewer collection system consists of approximately 15 miles of pipe consisting of four (4) inch to eighteen (18) inch diameter sewer mains, 4 pump stations and approximately 300 sanitary manholes. Sewer construction probably commenced prior to 1900 when a series of privately owned sewers were constructed through private properties and public right of ways for purposes of conveying sewage from upland residences and commercial establishments to the Wallkill River. The majority of the existing sewer system consists of vitrified clay pipe with oakum and mortar joints and brick manholes with newer sections installed after the 1970's consisting of PVC sewer main and precast manholes.

The entire sewage collection system flows to the NYSDEC SPDES Permitted Wastewater Treatment Facility located off Huguenot Street in the Village. Treated effluent is discharged into the Wallkill River, adjacent to the facility.

The Village of New Paltz has been under an Order on Consent for sanitary sewer overflows at various locations throughout the Village since 2003. In response to the Order, the Village has completed over \$5,000,000 in sanitary sewer replacement and rehabilitation to correct deficiencies in the sewer system which currently continues.

Name and Address of Owner

Village of New Paltz  
25 Plattekill Avenue  
New Paltz New York 12561  
Attn: Tim Rogers, Mayor  
Ph: (845) 255-1980

**Extent of Water Works System**

*Description of Nature and Extent of Area Served*

New Paltz is a village in Ulster County located in the U.S. state of New York. It is about 80 miles (130 km) north of New York City and 70 miles (110 km) south of Albany. The population was 6,818 at the 2010 census. The Village of New Paltz is located within the Town of New Paltz. New Paltz is also home to the State University of New York at New Paltz.

The Village of New Paltz Water System serves the Village of New Paltz including the State University of New York College at New Paltz and 359 users in the Town of New Paltz. Users within the water system are comprised of predominantly residential and commercial users with the major institutional user, the State University of New York, College at New Paltz. The Village is comprised of approximately 1.76 square miles and has a domestic water use population of almost 6,900 people. When the State University is in session, the user population in the Villages' water system increases to approximately 14,000.

The Village of New Paltz Water System consists of approximately 37 miles of water main of varying materials and diameters from 2" to 16" with the majority of the system consisting of 8" water main. Approximately 7.3 miles of water main is contained within the SUNY campus. The entire distribution infrastructure serves the domestic, commercial and institutional users within the Corporate Limits of the Village of New Paltz including Town of New Paltz Water Districts 1 & 2.

#### *Provisions for Extending Water Works System*

Currently, there are no plans for extending the water works system to any additional users in the vicinity of the existing water distribution system and treatment works.

#### *Appraisal of Future System Requirements*

As indicated previously, there are no plans for extending the water works system. If extensions are required in the future, new water districts will be created and additional water distribution will be extended to the new service areas. Additional water supply will be available by expanding the Villages Water treatment Facility for which, provisions are available in the proposed treatment facility upgrade to allow for increasing the treatment capacity at the facility from 2MGD to 3MGD. The Village of New Paltz is currently replacing the existing U.S. Filter Trident TR420A 1½ with Pall Aria AP Microfiltration System.

Two (2) filtration systems are being installed for a total capacity of 2.0 MGD, and to address redundancy requirements. The 2.0 MGD system is rated in excess of the facility's demand. Each Pall Aria AP AP-8 unit is rated at 1,400 gallons per minute (gpm). It should be noted that the plant layout has been developed to provide for a future plant expansion to 3.0 MGD which would allow the initial plant configuration of two (2) Pall Aria AP8 units to be expanded at a later date to a future plant configuration of three (3) Pall Aria AP8 units).

The project will be completed in the fall of 2019.

## Justification of Project

### *Health, Sanitation, and Security:*

The major purpose of this project is to replace deteriorated water transmission mains that have been in service for more than a century. The proposed project is pursuant to NYSDOH Part 5 Subpart 5.1 for Public Water Systems as per the following:

(b) The supplier of water and the person or persons operating a water treatment plant or distribution system shall exercise due care and diligence in the operation and maintenance of these facilities and their appurtenances to ensure continued compliance with the provisions of this Subpart. Facilities approved by the State shall be operated in accordance with their design unless otherwise authorized under the provisions of sections 5-1.22, 5-1.23 or 5-1.24 of this Subpart.

### *Aging Infrastructure:*

As indicated previously, the water distribution systems age is of major concern and the need for this project. Replacement of water distribution piping, lead service lines valves, hydrants, and their appurtenances are paramount to the health and safety of any community and institutions located within it. These items have all reached the end of their serviceable life and the Village of New Paltz Department of Public Works is increasingly unable to maintain the working order of these components of the Village of New Paltz Water Distribution System.

The water mains indicated in this report are well over 100 years old and most are constructed of cast iron and highly tuberculated. They are prone to watermain breaks and leaks. Water loss for the Village of New Paltz is one of the highest in New York State and the Village cannot continue with losses outlined in the recently completed Draft Water Demand Management Plan.

Another item of concern is the fact that there are lead service connections in numerous locations where the Village proposes to replace the existing aging water mains.

### *Reasonable Growth:*

This item is not applicable to the proposed project. The Village of New Paltz Water System serves the population of the Village of New Paltz. There are less than 10 undeveloped properties which will not have a significant impact on the water system demand therefore, not requiring an increase in pipe diameter or extensions to the existing distribution system.

### *Proposed Project*

In order to effectively address the above concerns, it is proposed to construct the following:

- 1. Replacement of 12" Water Main from Morning Star East to Aqueduct Pump Station**



Replace existing 6,000 LF 12" diameter cast iron watermain with 1000 LF 12" Directionally bored SDR 11 HDPE water main under wetland and 5000 LF 12" diameter Class 52 watermain, install 3 hydrants, four 12" gate valves on line, two 12" connection gate valves and tees, 10 house service connections, rock removal and appurtenances.

**2. Replacement of Watermain on Route 32 – Main Street to Village Boundary**

Replace existing 5,125 LF 8" diameter cast iron watermain with 5,125 LF 8" diameter Class 52 watermain, install 9 hydrants, eight 8" gate valves, two 6" X 8" wet tap and valves, one 8" x 8" wet tap and valve, 49 service connections, one watermain stream crossing, rock removal, complete shoulder to shoulder asphalt overlay and appurtenances.

**3. Replacement of Watermain on North Manheim Blvd.**

Replace existing 1,500 LF of 4" and 6" diameter cast iron watermain with 1,500 LF 8" diameter Class 52 watermain, install 4 hydrants, 4- 8" gate valves, 31 service connections, rock removal, complete shoulder to shoulder asphalt overlay and appurtenances.

**4. Replacement of Watermain on Prospect Street**

Replace existing 1,475 LF of 4" and 6" diameter cast iron watermain with 1,475 LF 8" diameter Class 52 watermain, install 4 hydrants, 3- 8" gate valves, 26 service connections, rock removal, complete shoulder to shoulder asphalt overlay and appurtenances.

**5. Replacement of Watermain on Huguenot Street between Main Street and North Front Street**

Replace existing 1,695 LF of 6" diameter cast iron watermain with 1,695 LF 8" diameter Class 52 watermain, install 4 hydrants, 4- 8" gate valves, 4 service connections, rock removal, complete shoulder to shoulder asphalt overlay and appurtenances.

**6. Replacement of Watermain on South Chestnut Street from Main Street to Southside Avenue**

Replace existing 1,900 LF of 6" diameter cast iron watermain with 1,900 LF 8" diameter Class 52 watermain, install 4 hydrants, 4- 8" gate valves, 40 service connections, rock removal, complete shoulder to shoulder asphalt overlay, pavement painting and appurtenances.

A USGS Location Map indicating the specific areas for the proposed project is attached as Exhibit 1.

**Alternatives Considered:**

No Action. This alternative results in a condition whereby the existing water distribution system continues to deteriorate resulting in continuous water main breaks and the need for additional maintenance and probably additional maintenance personnel. Continued deterioration to the subject portions of the distribution system will eventually result in portions of the piping system becoming inoperable and unable to deliver potable water to the service area and support user demand.

Watermain Repairs Continuing to make repairs to the ongoing watermain breaks on the subject deteriorated watermains indicated in this report. Financial resources and manpower are required for each occurrence of a watermain break with increased frequency as this system increases in age. A typical watermain break requires the following to complete the repair of a broken watermain:

One backhoe  
One dump truck  
One jack hammer  
Three Pickup trucks  
One plate tamper  
\$500.00 in repair parts (pipe clamps etc.)  
Six Department of Public Works Employees for 6-8 Hours on average at \$40.00/Hour

As a result, for obvious reasons, continuing to repair broken watermains is not a viable option for a water distribution system.

Watermain Replacement with Alternative Materials

The current proposal is to replace deteriorated watermains with Class 52 Ductile Iron Water Main. There are alternatives to this material including HDPE water main, PVC Watermain, Pressure class 350 water main and Class 52 ductile iron water main. These alternatives were immediately discounted since the Village of New Paltz Department of Public Works has been striving to standardize its water distribution system with class 52 ductile iron water main. This Department and its employees are currently tooled and equipped to maintain this type of watermain and does not want to diversify its current long term goal to standardize its operations including training for repairs and maintenance, as well as the equipment to perform these tasks.

Watermain Replacement with Class 52 Ductile Iron Water Main and Appurtenances. This alternative will satisfy the Village of New Paltz Department of Public Works goal of standardizing the piping material contained in its water distribution system. Replacement of the deteriorated watermains with Class 52 Ductile Iron watermains is the only viable alternative that will continue with the standardization of the Villages water distribution system and allow the Department of Public Works to continue with standard operations and tooling for maintenance of its water distribution system. **This is the Selected Alternative.**

## Soil, Groundwater Conditions and Foundation Problems

Soil and ground water conditions in the vicinity of the proposed waterline replacement projects is generally not a concern as the watermains will be replaced in the same locations as the existing watermains. These watermains and appurtenances will be replaced via conventional open cut, trenching and installation of the new watermain, service connections and appurtenances.

The only exception is the area where the 12" watermain extending from Morning Star East to the Aqueduct Pump Station is located under the streambed and wetland of the Kleinkill to the west of Morning Star West. The watermain in the vicinity of this stream and wetland will be replaced by directional boring the proposed watermain a minimum of 10 feet under these water features.

Foundation conditions are not applicable to this project.

Groundwater elevations in the vicinity of the proposed projects varies from location to location. Any groundwater encountered during trenching for the proposed watermains will be removed from the trench to allow for pipe and bedding material to be installed per the contract document requirements that reflect acceptable watermain installation practices outlined in 10 State Standards and as required by the Ulster County Health Department.

Groundwater encountered during the directional boring for the replacement of the 12" watermain in the vicinity of the Kleinkill will not have an impact on the pipe installation as the proposed watermain will be installed a minimum of 10 feet below the bottom of the streambed and wetland.

## Water Use Data

### *Population Trend Description*

Based on available information from the U.S. Census Bureau, the population has increased from 6,834 to 7,070 from April 1, 2010 to July 1 2015. Based on existing population trends and limited growth potentials in both the Town water districts and the Village corporate limits, a general breakdown of population growth for the users in the Village and Town can be estimated as follows:

YEAR	POPULATION
2017	7,070
2022	7,120
2027	7,170
2032	7,220

It should be noted that the watermains that are proposed to be replaced will be replaced with the same diameter water distribution piping, only different material, Class 52 DIPO Water Main. These watermains will be replaced in the same locations as the existing mains

and no change in diameter will not have an impact on the negligible population increase for the next 20 years. The new watermains will have a significant positive effect for supplying water to the users in both pressure and flow since the existing watermains approaching or greater than 100 years in age are significantly tuberculated causing flow restrictions and resulting in lower pressures in the service areas.

*Present Water Consumption and Projected Demands*

The total water produced for the users in the system from 2010 through 2016 is as follows:

YEAR	WATER PRODUCED (IN MG)
2010	274.3
2011	282.3
2012	297.0
2013	318.8
2014	325.5
2015	319.7
2016	306.4
2017	295.0
2018	247.3

These figures also include fire flow demands.

*Present and/or Estimated Yield of the Sources of the Supply*

Since this project consists of the replacement of existing water distribution supply mains with the same diameter water main, the only possible cause yield increase will be due to the elimination of tuberculation in the existing cast iron water mains. The actual increase in yield is difficult to determine unless flow testing is performed before and after the installation of the new water mains.

*Unusual Occurrences*

As the project is not yet designed, the encountering of unusual occurrences is difficult at this time to identify.

*Current Unaccounted for Water and Estimated Reduction of Unaccounted Water*

A water loss audit was completed for the Village of New Paltz entitled Village and Town of New Paltz, N.Y. Draft Water Demand Management Plan dated April 18, 2015. The report is attached as Exhibit 2.

The audit was prepared with funding from the New York City Department of Environmental Protection (NYCDEP) since New Paltz receives approximately 62% of its water supply from the New York City Catskill Aqueduct. The Aqueduct is slated for maintenance shutdowns for 10 week periods in the fall of 2017, 2018, 2019 and possibly 2020. In response to these

shutdowns, the NYCDEP will require a backup water supply for the Village of New Paltz Water System which includes water conservation and demand management.

This audit shows that in 2014 New Paltz had 42% non-revenue water, which means that it did not collect any revenue from 42% of the water produced at the treatment plant. This is the highest rate of non-revenue water that the preparer of the report has observed among the NY communities.

Also of concern is the chart Mayor Rogers sent showing the level of non-revenue water in New Paltz increasing steadily in the past few years. Regardless of the accuracy and validity, if this 2014 audit is anywhere close to portraying the water loss situation in New Paltz, taking swift action to reduce loss will be one of the most important demand management efforts that can be taken ahead of the aqueduct outages over the coming years.

### **Flow Requirements**

Since the proposed water system upgrades include the replacement in kind of existing water distribution mains and there are no plans for any type of significant development within the corporate limits of the Village of New Paltz or the Town Water districts, the analysis of domestic flow and pressure requirements as well as fire flow requirements will not specifically be addressed for purposes of this report.

A recent hydraulic analysis is however included for reference to highlight the pressures that are exhibited at various node locations. These pressures can only be expected to improve with the replacement of old deteriorated and tuberculated watermains by reducing the roughness and increasing the Hazen Williams "C" factor. The most recent Hydraulic Analysis updated I 2017 is presented on a Map of Computer Model for Village of New Paltz Water System is included in Exhibit 3. The map presents static water pressures at selected nodes throughout the Village of New Paltz Water Distribution System.

Existing fire flow capability throughout the Village of New Paltz water distribution system is adequate and will only be improved with the proposed water main replacement project. The ISO Report dated January 2012 indicates that the Village of New Paltz received a Class 3 rating for water supply (Class 1=exemplary and class 10 = does not meet ISO criteria for fire suppression) The ISO summary is attached as Exhibit 4.

### **Sources of Water Supply**

The water sources for the Village of New Paltz consist of the Catskill Aqueduct, part of the New York City Department of Environmental Protection, Bureau of Water Supply and four upland reservoirs owned and maintained by the Village of New Paltz. The Village's reservoirs consist of three small upland reservoirs and an emergency standby reservoir for use when New York City shuts down the aqueduct. The combined capacities of these

reservoirs are approximately 8-9 million gallons, approximately 10 days of storage prior to treatment.

In the late 1980's, the Village constructed a water treatment facility capable of treating either the raw water source from the Village's Reservoirs or from the NYC Catskill Aqueduct. Treatment at the plant consists of pre chlorination, absorption clarification, mixed media filtration and post chlorination prior to introduction into the distribution system. The treatment facility has the capacity to treat slightly greater than 2 mgd.

This treatment process is currently slated to be replaced in 2017 and is described further in the Proposed treatment Processes section of this report.

### **Groundwater Sources**

There are currently no groundwater sources for the Village of New Paltz Water Supply. The Village Board however is considering alternate water supply sources that consist of the exploration of groundwater sources at various locations on Village owned and controlled properties.

These sources are currently under investigation and will be made public when preliminary testing and results of well yields and water quality are defined.

### **Proposed Treatment Processes**

The Village of New Paltz is proposing to replace the existing U.S. Filter Trident TR420A 1½ with three tank units with a Pall Aria AP Microfiltration System. This proposal will replace the existing media filtration system with two (2) Pall microfiltration systems to address redundancy requirements along with various plant components and treatment process vessels for a total capacity of 2.0 MGD. Construction is anticipated for spring and summer 2019 with completion in the fall of 2019. This proposed treatment process is not part of the watermain replacement project that is the subject of this report.

### **Sewerage System Available**

The Village of New Paltz sanitary sewer system lies within the corporate limits of the Village of New Paltz and serves the entire Village and the State University of New York at New Paltz. The Village is comprised of approximately 5 square miles and has a sewered population of approximately 6,000 people. While the State University is in session, the population increases to approximately 13,000.

The sewer collection system consists of approximately 15 miles of pipe including four (4) inch to eighteen (18) inch diameter sewer mains, 4 pump stations and approximately 300 sanitary manholes. Sewer construction probably commenced prior to 1900 when a series of privately owned sewers were constructed through private properties and public right of ways for purposes of conveying sewage from upland residences and commercial establishments to the Walkkill River. Specific information regarding the construction of older portions of the sewer system is not available since it was constructed prior to approval

authority from regulatory agencies. The earliest known report with an inventory of existing sewers and recommendations and upgrades in the collection system and construction of a “sewage treatment works” was prepared in April 1931. The majority of the existing sewer system consists of vitrified clay pipe with oakum and mortar joints and brick manholes with newer sections installed after the 1970’s consisting of PVC sewer main and precast manholes.

A summary of the wastewater treatment facility can be described with the following:

The wastewater treatment facility located off of Huguenot Street was upgraded in 1999 for a design average daily flow of 1.5 million gallons per day and a 3.5 MGD design peak hourly flow, and has a permit (SPDES Permit # NY003-0082) with a discharge to the Walkill River, a tributary of the Hudson River. The facility utilizes the following treatment process:

Influent Flow Channel and Bar Screens and Sewage Grinder, Grit Remover, Primary Clarifiers (2) Trickling Filters Rotating Biological Contactors (second-stage biological treatment after Trickling Filters) Secondary Clarifiers (3), Chlorine Contact Tank Dechlorination Equipment, Sludge Heat Exchanger (minor work) Sludge Digesters and Sludge Dewatering (belt press)

A summary of Critical Plant Design Parameters is as follows:

Hydraulic Loading

Design Average Flow	1,500,000 GPO	1,042 GPM
Design Maximum Daily Flow	3,000,000 GPO	2,083 GPM
Design Peak Hourly Flow	3,450,000 GPO	2,396 GPM

In general, the Village’s wastewater treatment facility continually meets or exceeds its SPDES Permit requirements.

It should be noted that the proposed water main replacement project will have little or no impact on the Village’s sanitary sewer system or the wastewater treatment facility. The only possible impact that the proposed watermain replacement will have on the sanitary sewer collection system is during construction and the requirement for protection of existing sewer conveyance piping in the vicinity of the proposed new watermain locations.

**Waste Disposal**

Wastes from the water treatment facility will not change as a result of the replacement of water distribution piping and the construction activities related to the project.

**Automation**

Automatic equipment in the existing or proposed water treatment facility will not be affected in any way as the proposed replacement of watermains is not in proximity to the water treatment facility and the treatment process, existing or proposed does is



not impacted by the replacement of watermains at various locations throughout the Village of New Paltz.

## **Project Sites**

The project sites were identified earlier in this report and are described in the following summaries. Each project is identified by a number that corresponds to the location map attached as Exhibit 1. A description of and discussion for each project is as follows:

### **1. Replacement of 12" Water Main from Morning Star East to Aqueduct Pump Station**

Replace existing 6,000 LF 12" diameter cast iron watermain with 1000 LF 12" Directionally bored SDR 11 HDPE water main under wetland and 5000 LF 12" diameter Class 52 watermain, install 3 hydrants, four 12" gate valves on line, two 12" connection gate valves and tees, 10 house service connections, rock removal and appurtenances.

This site is the only site recommended for the replacement project. The residences that are served by this watermain have existing water service connections of various sizes that will be reconnected to the new watermain. If the new watermain were to be installed at an alternative location, water service lines to the 10 residences would need to be installed at additional cost to the project.

### **2. Replacement of Watermain on Route 32 – Main Street to Village Boundary**

Replace existing 5,125 LF 8" diameter cast iron watermain with 5,125 LF 8" diameter Class 52 watermain, install 9 hydrants, eight 8" gate valves, two 6" X 8" wet tap and valves, one 8" x 8" wet tap and valve, 49 service connections, one watermain stream crossing, rock removal, complete shoulder to shoulder asphalt overlay and appurtenances.

### **3. Replacement of Watermain on North Manheim Blvd.**

Replace existing 1,500 LF of 4" and 6" diameter cast iron watermain with 1,500 LF 8" diameter Class 52 watermain, install 4 hydrants, 4- 8" gate valves, 31 service connections, rock removal, complete shoulder to shoulder asphalt overlay and appurtenances.

### **4. Replacement of Watermain on Prospect Street**

Replace existing 1,475 LF of 4" and 6" diameter cast iron watermain with 1,475 LF 8" diameter Class 52 watermain, install 4 hydrants, 3- 8" gate valves, 26 service connections, rock removal, complete shoulder to shoulder asphalt overlay and appurtenances.

### **5. Replacement of Watermain on Huguenot Street between Main Street and North Front Street**

Replace existing 1,695 LF of 6" diameter cast iron watermain with 1,695 LF 8" diameter Class 52 watermain, install 4 hydrants, 4- 8" gate valves, 4 service connections, rock removal, complete shoulder to shoulder asphalt overlay and appurtenances.

#### **6. Replacement of Watermain on South Chestnut Street from Main Street to Southside Avenue**

Replace existing 1,900 LF of 6" diameter cast iron watermain with 1,900 LF 8" diameter Class 52 watermain, install 4 hydrants, 4- 8" gate valves, 40 service connections, rock removal, complete shoulder to shoulder asphalt overlay, pavement painting and appurtenances.

Alternate sites for each of the locations of the watermain replacement projects cannot be reconsidered as the existing watermains are connected to water service laterals in specific locations that serve individual residences and commercial properties.

There are no defined sources of pollution that may influence the quality of the water supply or interfere with the effective operation of the water works system with regard to sanitary sewer or leachate pollution since there are no onsite sanitary sewer systems (septics, cess pools, privies etc.) and there are no refuse or garbage dumps within the Village. Areas affected by this project within the Village are served by a permitted sanitary sewer collection and conveyance system.

The area that could possibly be affected by septic system effluent or alternative source of pollution such as ground or surface water is source of pollution is the Replacement of 12" Water Main from Morning Star East to Aqueduct Pump Station. This area containing the existing 12" watermain is in the proximity of existing residential septic systems and a portion is located under the Kleinkill, a stream tributary to the Walkkill River and the wetlands along the Kleinkill stream.

### **Financing**

The estimated cost for the integral parts of the distribution system included in the overall project scope is specifically for transmission and distribution mains. There is no storage, pumping, treatment or planning costs associated with this project. The estimated costs for the project specifically broken down by dollar amount is attached as Exhibit 5.

There is no estimate for annual operation of the proposed distribution mains associated with this project. The only possible operation requirements related to this project will be the repair of broken water mains which will be significantly reduced as a result of this project.

The Village of New Paltz is proposing to fund this project in part with a grant provided through the NYS EFC Drinking Water State Revolving Fund (DWSRF) and local contributions.

## Future Extensions

There are no anticipated future extensions resulting from this project.

## Technical, Managerial and Financial Capacity

As this project consists of replacement in kind of water distribution mains and services, there is no change to the system technical requirements for this project.

The project will not require a change in management of the distribution system. The result of the replacement of deteriorated watermains with new watermains and appurtenances will be a reduction in the operations requirement of water main break repairs by the New Paltz Department of Public Works.

A discussion of the water systems overall financial capacity along with user projected water rates with the systems outstanding obligations is as follows:

The current year (2019-2020) Operating Budget for the Village of New Paltz is based on a user fee to support their water O&M budget, based on quarterly water-meter readings. The current Village of New Paltz Water Rate Schedule adopted on November 15, 2012 is included as Exhibit 6. The user rate for Village of New Paltz properties is \$18.75 for the first 4,000 gallons consumed per quarter. The user rate for Town of New Paltz properties is \$28.13 for the first 4,000 gallons consumed per quarter. All quantities consumed between the minimum 4,000 gallons to their respective maximum per quarter are billed on a variable scale with the major users paying the highest rate. For this report, users in the Village using between 4,001 gallons and 50,000 gallons per quarter will be charged at a rate of \$0.004688 per gallon, with a minimum quarterly charge of \$18.75. Users in the Town using between 4,001 gallons and 50,000 gallons per quarter will be charged at a rate of \$0.007032 per gallon, with a minimum quarterly charge of \$28.13.

Assuming the “typical” residential Village customer uses 452 gpd, their quarterly consumption would be 40,680 gallons (i.e. 452 gpd x 90 days). Assuming the “typical” residential Town customer uses 102 gpd, their quarterly consumption would be 9,180 gallons (i.e. 102 gpd x 90 days). Therefore, the “typical” residential user would pay a quarterly O&M charge of:

- Village of New Paltz User:           \$209.46       (\$18.75+ [\$0.004688 x 40,680])
- Town of New Paltz User:           \$92.68        (\$28.13 + [\$0.007032 x 9,180])

Based on the above items, the “typical” residential user incurs an annual cost of:

- Village of New Paltz User:           \$837.84       (4 x \$209.46)
- Town of New Paltz User:           \$370.72       (4 x \$92.68)

*WATER SYSTEM UPGRADES ENGINEERING REPORT  
VILLAGE OF NEW PALTZ*

Attached as Exhibit 6 is a copy of the "Village Budget for 2019-2020". Based upon the adopted budget, the Village has assumed a total water revenue of \$1,478,081.00. According to the Village, this budgeted income stream was based on the previous year's actual income.

Outstanding debt for the Village of New Paltz is outlined in the 2019-2020 Debt Schedule attached as Exhibit 7. The total existing debt for the Village of New Paltz is \$7,222,680 and for the Village Water is \$5,877,000. Total debt service anticipated for the 2019-2020 fiscal year for Village Water is \$415,000 in principal and \$208,043 in interest.

A tabulation of users for the most recent fiscal year is included as Exhibit 8. The above figures do not include any new debt service specific to the proposed projects.

It should be noted that with a total project cost of \$5,101,200, the Village will be responsible for \$2,040,480 or 40% of the total project cost if 60% is being funded with a DWSRF grant. This would bring the total debt for water to \$7,917,480 (\$2,040,480 + \$5,877,000). New debt service would be calculated based on bond interest rates at a time that the Villages share is required to fund the project.

This project will not include any energy savings components as it involves the direct replacement of water distribution and transmission mains.

### **Conclusions and Recommendations**

- The Village of New Paltz contains portions of its water distribution that are approaching or exceeding 100 years in age and have outlived their serviceable life.
- The Village of New Paltz Department of Public works is routinely burdened with repairing deteriorated broken watermains that are constructed of cast iron pipe of unknown age.
- A draft water audit has revealed that of all of the water produced from the water treatment facility, 42% was classified as non-revenue water. This is indicative of unmetered or lost water through leakage. This is the one highest non-revenue water systems in the state as indicated by the water audit preparer.
- Many of the existing water service connections in the project locations consist of lead pipe and fittings.

Based on this information, it is highly recommended that the Village undertakes the replacement of the aforementioned water distribution mains at various locations in the system. This project will effectively reduce water loss, minimize watermain breaks, replace lead water services within the Village Right of Way and provide for greater water pressures throughout the water distribution system.

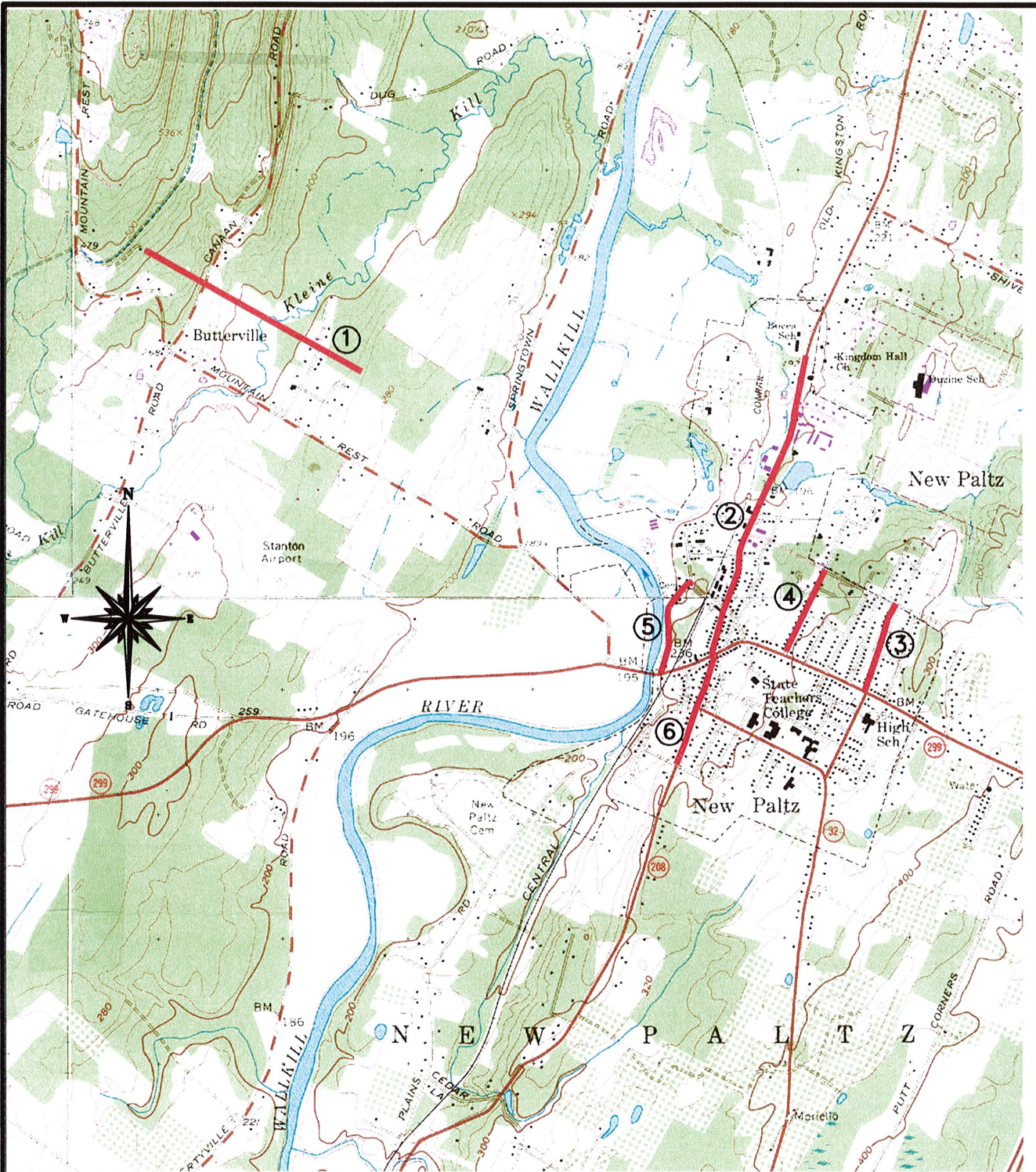
**List of Exhibits**

1. USGS Location Map of the Village of New Paltz and Locations of the Proposed Water Projects
2. Draft Water Demand Management Plan
3. Village of New Paltz Hydraulic Analysis-Map of Computer Model
4. Insurance Services Office (ISO) Summary
5. Opinion of Probable Costs
6. 2018-2019 Village Budget
7. Debt Schedule
8. Tabulation of Water Billing for FY 2018-2019

*EXHIBIT 1*

USGS Location Map of the Village of New Paltz  
Locations of the Proposed Water Projects





① ——— INDICATES LOCATION OF WATER SYSTEM  
IMPROVEMENT PROJECT AND NUMBER



Unauthorized alteration or addition to a plan bearing a licensed engineer's seal is a violation of section 7209, subdivision 2, of the New York State Education Law.

VILLAGE OF NEW PALTZ		ULSTER COUNTY		NEW YORK
DATE	REVISION RECORD			
		<b>BRINNIER &amp; LARIOS, P.C.</b> ENGINEERS & LAND SURVEYORS 67 MAIDEN LANE KINGSTON, N.Y.		
SCALE	DATE	SHEET NO.		
1" = 200'	MAY 2017	1 OF 1		
	DWG	CHK		
	RPR	DML		

*EXHIBIT 2*

Draft Water Demand Management Plan



# Village and Town of New Paltz, NY

## **DRAFT** Water Demand Management Plan



April 18, 2015

Prepared by:



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# 1. Introduction

The Village of New Paltz (New Paltz), NY purchases an average of 61% of its water from the City of New York, Department of Environmental Protection - Bureau of Water Supply. This high-quality surface water originates in protected watershed areas of the Croton Watershed which covers an area 120 of more than 300 square miles north and east west of New Paltz. NYC's Catskill Aqueduct has delivered water to the Village of New Paltz (and the Town of New Paltz) since 1928 through a connection on Mt. Rest Road (Figure 1).



**Figure 1: Catskill Aqueduct and New Paltz connection at Mt. Rest Rd.**

Overall, the NYC Water Supply System is an integrated network of 19 reservoirs and three controlled lakes in a nearly 2,000 square-mile watershed. The NYC Water Supply System delivers approximately one billion gallons of water per day to over eight million users in New York City (NYC), as well as about 110 million gallons a day to Upstate Wholesale customers - nearly one million people living in Westchester, Putnam, Ulster, and Orange counties including New Paltz.

In addition to purchasing water from NYC, New Paltz also has its own water supply and manages a series of upland reservoirs adjacent to the water treatment plant as shown in Figure 2. This water supply has limited capacity, but is capable of supplying New Paltz for approximately 7 days when relied upon for 100% of supply.



**Figure 2: New Paltz reservoirs and water treatment plant at Mt. Rest Rd.**

NYC is planning the rehabilitation/repair of the Catskill Aqueduct and will be taking the Catskill Aqueduct offline for 10 week continuous durations in the fall of 2017, 2018, 2019 and possibly 2020. The New Paltz upland reservoirs (Figure 2) can produce about 158 gpm (fall) and 225 gpm (spring) of the estimated 610 gpm daily Village demand (roughly about 25%). It is estimated that and 500 gpm of additional water supply and or demand reduction is needed for the Village to sustain for 10 weeks without access to the Catskill Aqueduct flows.

New Paltz Officials are working to design and construct a sufficient backup water supply to be brought online by fall of 2017 and then sustained through 2020 and beyond to withstand the proposed shutdowns.

Water conservation and demand management are an important aspect of the backup water supply. This Water Demand Management Plan has been prepared specifically for the purpose of describing the measures New Paltz intends to implement to reduce consumption of water in advance of the outage and to further extend demand reductions over the subsequent years. This plan details the specific options considered, costs and benefits, and the potential demand reductions that can be achieved.

## 2. Water System Profile and Characterization

New Paltz is located on the Wallkill River in Ulster County, New York. According to the United States Census Bureau, the village has a total area of 1.8 square miles (4.6 km<sup>2</sup>), of which, 1.7 square miles (4.5 km<sup>2</sup>) of it is land and 0.04 square miles (0.1 km<sup>2</sup>) of it (1.70%) is water. The Wallkill River runs north along the western border of New Paltz, flowing into the Rondout Creek and eventually the Hudson River.

The New Paltz water system served approximately 6,817 people through approximately 1,065 service connections in 2014.<sup>1</sup> The total water produced in 2014 was approximately 324.5 million gallons (MG) (617 gpm on average) according water treatment plant paper records. The 2014 daily average of water treated and pumped into the distribution system was 0.89 million gallons per day (MGD). In 2014, the Village of New Paltz purchased 218.6 MG (0.6 MGD) from the NYC system.

### Water Treatment System

New Paltz purchases an average of 61% of its water from the City of New York, Department of Environmental Protection - Bureau of Water Supply. This high-quality surface water originates in protected watershed areas of the Croton Watershed. NYC's Catskill Aqueduct has delivered water to the Village of New Paltz (and the Town of New Paltz) since 1928 through a connection on Mt. Rest Road (Figure 1).

In addition to purchasing water from NYC, New Paltz also has its own water supply and manages a series of upland reservoirs adjacent to the water treatment plant as shown in Figure 2. This water supply has limited capacity, but is capable of supplying New Paltz for approximately 7 days when relied upon for 100% of supply.

The two waters are blended together, filtered and chlorinated at the New Paltz water treatment plant on Mountain Rest Rd. (Figures 1 and 2). The treated water is then put into the distribution system for use in the Village and Town of New Paltz.

### Water Distribution System

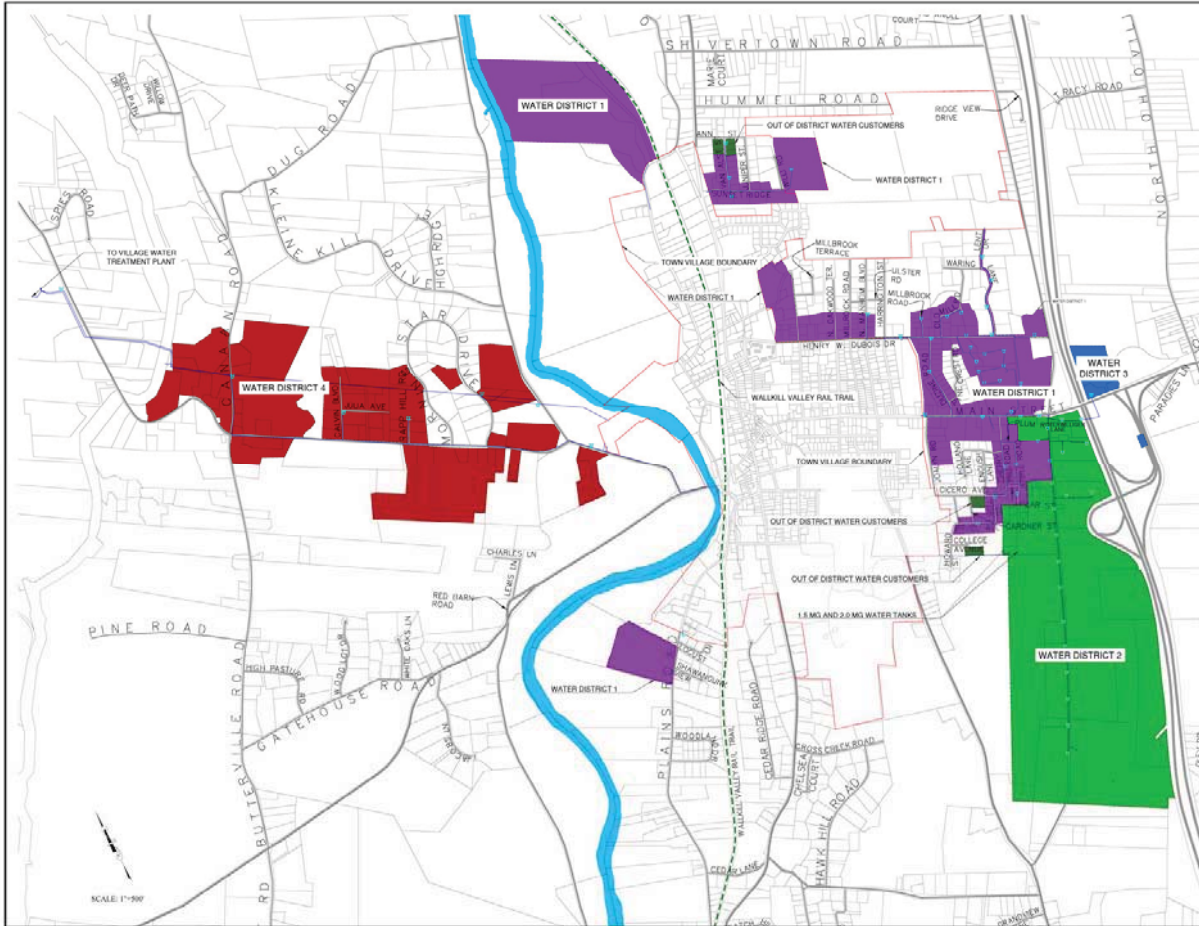
New Paltz's interconnected water distribution system consists of 26 miles of main.

Figure 3 provides an overview of the Village and Town of New Paltz's water distribution system, including the water districts, treatment plant, and other features. Within the Town of New Paltz, each water district and sewer district has its own slightly different water and sewer rates.

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<sup>1</sup> Annual Drinking Water Quality Report for 2014, Village of New Paltz Water





**Figure 3: Water distribution map, Village and Town of New Paltz**

## Service Area Characteristics

New Paltz is a well-established community focused around the State University of New York, New Paltz (SUNY) and the water service area has grown about 20% since 1990, adding more than 1,400 people.<sup>2</sup> Population and per capita water use over the past few years are shown in Table 1 along with annual purchases from NYC and volumes of water produced from New Paltz’s own sources.

Perhaps most striking about the data presented in Table 1, is the level of non-revenue water in New Paltz. Non-revenue water is measured as the difference between the volume of water produced each year and the volume of water actually metered and sold to customers. In 2014, New Paltz had 138.5 MG (42.7%) non-revenue water. This is a high level of non-revenue water compared with other upstate communities served by the NYC aqueduct system.

<sup>2</sup> U.S. Census Bureau

([https://www.google.com/publicdata/explore?ds=kf7tgg1uo9ude\\_&met\\_y=population&idim=place:3650551&hl=en&dl=en](https://www.google.com/publicdata/explore?ds=kf7tgg1uo9ude_&met_y=population&idim=place:3650551&hl=en&dl=en).)

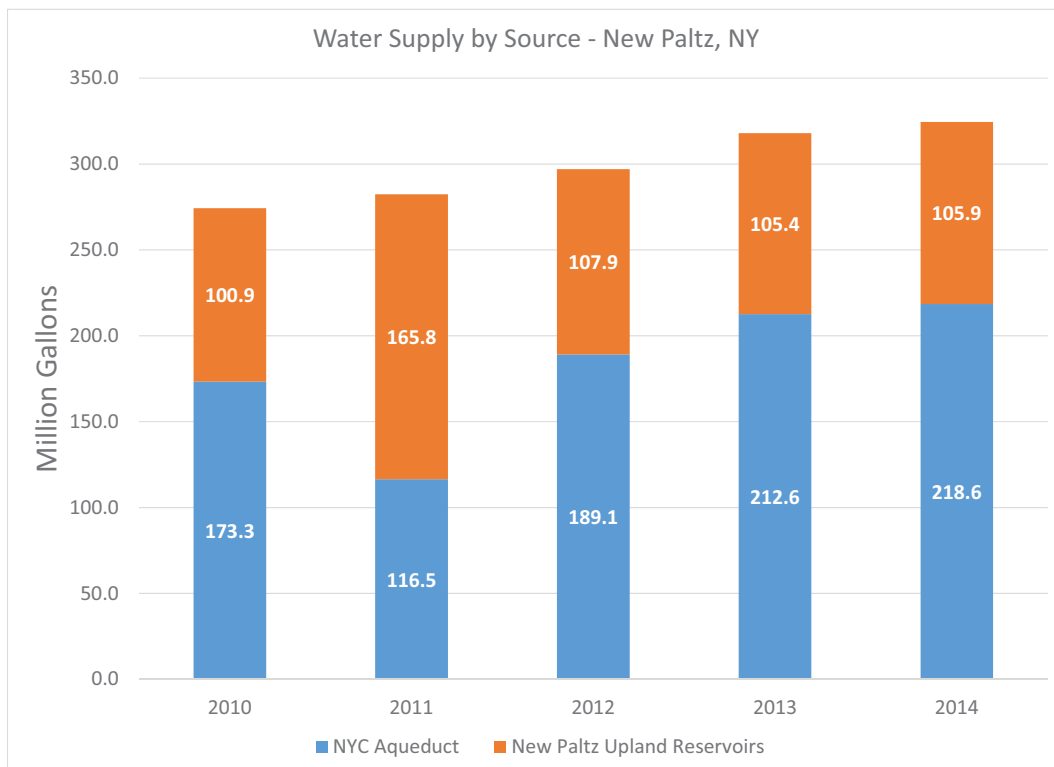
**Table 1: New Paltz water demand, non-revenue water, population, and per capita use 2010-2015**

	2010	2011	2012	2013	2014
<i>New Paltz Town (MG)</i>	32.9	32.0	31.4	31.3	30.6
<i>SUNY(MG)</i>	35.9	35.1	37.5	36.3	38.5
<i>New Paltz Village (MG)</i>	107.2	105.0	106.1	108.6	106.8
<i>Total (MG)</i>	176.0	172.1	175.0	176.1	176.0
<i>Purchased from NYC (MG)</i>	173.3	116.5	189.1	212.6	218.6
<i>From Own Sources (MG)</i>	100.9	165.8	107.9	105.4	105.9
<i>Total Produced (MG)</i>	274.3	282.3	297.0	318.0	324.5
<i>% from NYC</i>	63.2%	41.3%	63.7%	66.8%	67.4%
<i>% from Own Sources</i>	36.8%	58.7%	36.3%	33.2%	32.6%
<i>Total Non-Revenue (MG)</i>	98.3	110.3	121.9	141.9	148.5
<i>% Non-Revenue</i>	35.8%	39.1%	41.1%	44.6%	45.8%
<i>Population (water quality report)</i>	6,817	6,817	6,817	6,817	6,817
<i>Gallons/capita/day - produced</i>	110.2	113.5	119.4	127.8	130.4
<i>Gallons/capita/day - metered</i>	70.7	69.1	70.3	70.8	70.7

### 3. Water Demand and Savings Potential

This plan summarizes and analyzes water deliveries and demands in New Paltz over the past five years to explore potential for cost-effective water demand management.

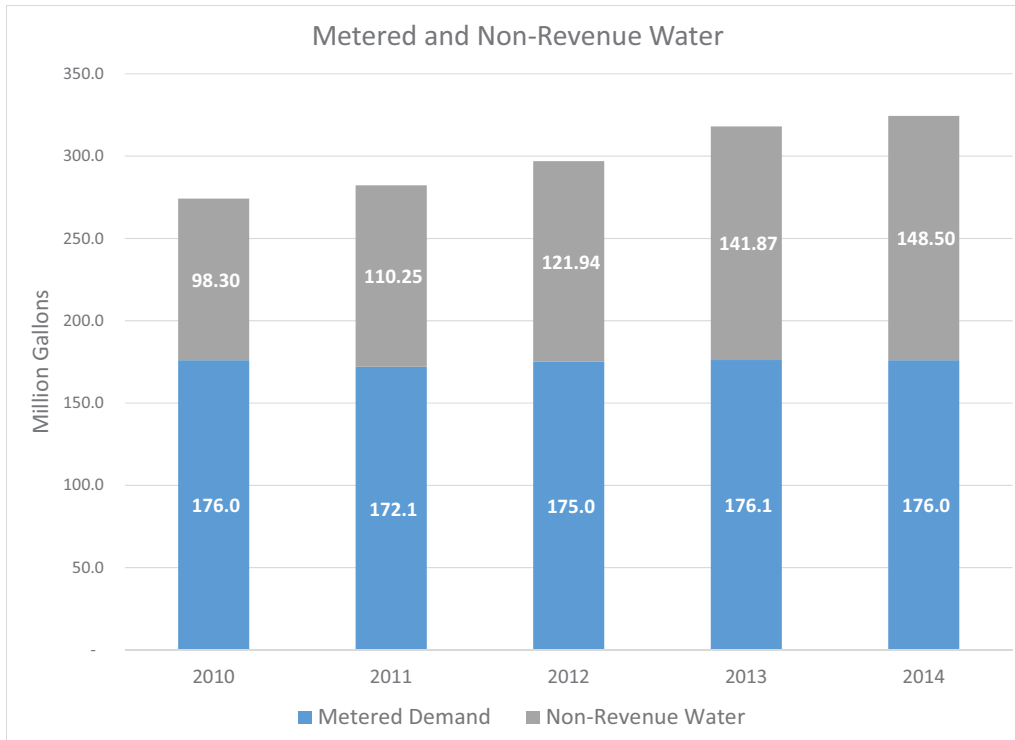
In 2014 the New Paltz purchased 218.6 MG (0.6 MGD) from the NYC system and produced 105.9 MG (0.3 MGD). Annual water demands for 2010-14 are presented in Figure 4. From 2010-14, New Paltz purchased an average of 182.0 MG (0.5 MGD) per year from the NYC water supply system. There is an increasing trend to water demand in New Paltz in spite of relatively stable population based on US Census reports.<sup>3</sup>



**Figure 4: Water supply by source – New Paltz, NY, 2010 - 2014**

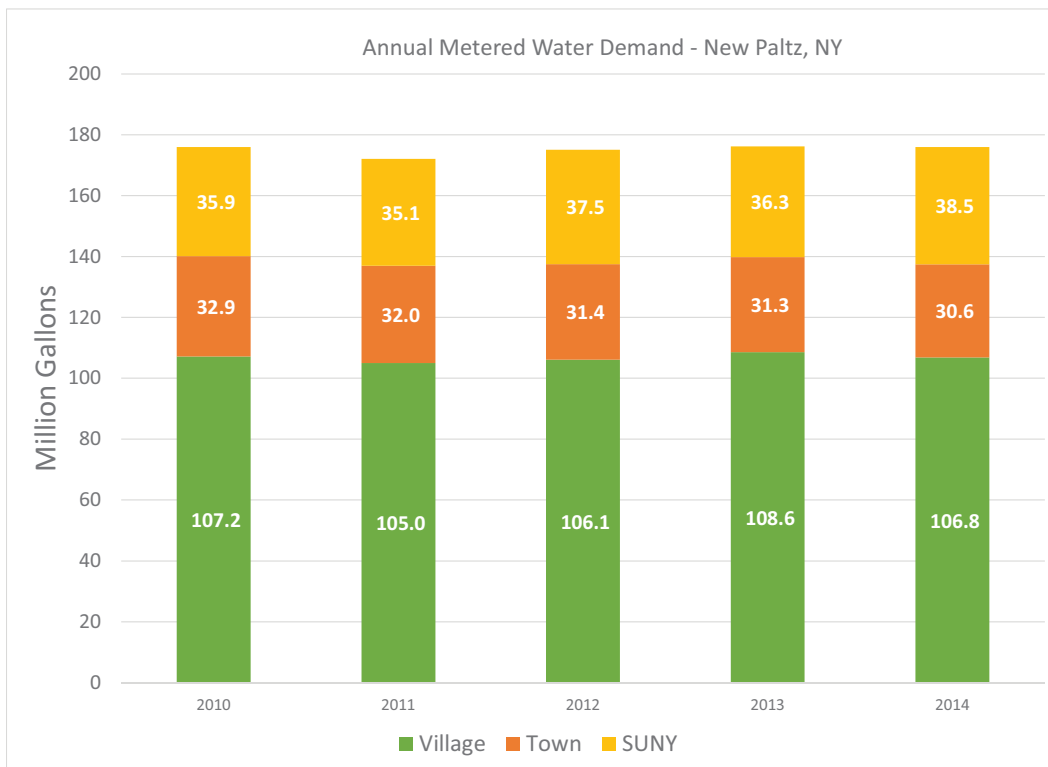
The annual consumption from all of the New Paltz’s metered accounts (Village and Town + SUNY) from 2010-14 and calculated system non-revenue water are shown in Figure 5. Non-Revenue water in New Paltz’s distribution system ranged from 98.3 to 148.5 MG over the past six years and averaged 41.3% of deliveries. A more detailed analysis of non-revenue and water loss in 2014 is presented later in this section.

<sup>3</sup> U.S. Census Bureau  
([https://www.google.com/publicdata/explore?ds=kf7tgg1uo9ude\\_&met\\_y=population&idim=place:3650551&hl=en&dl=en](https://www.google.com/publicdata/explore?ds=kf7tgg1uo9ude_&met_y=population&idim=place:3650551&hl=en&dl=en).)



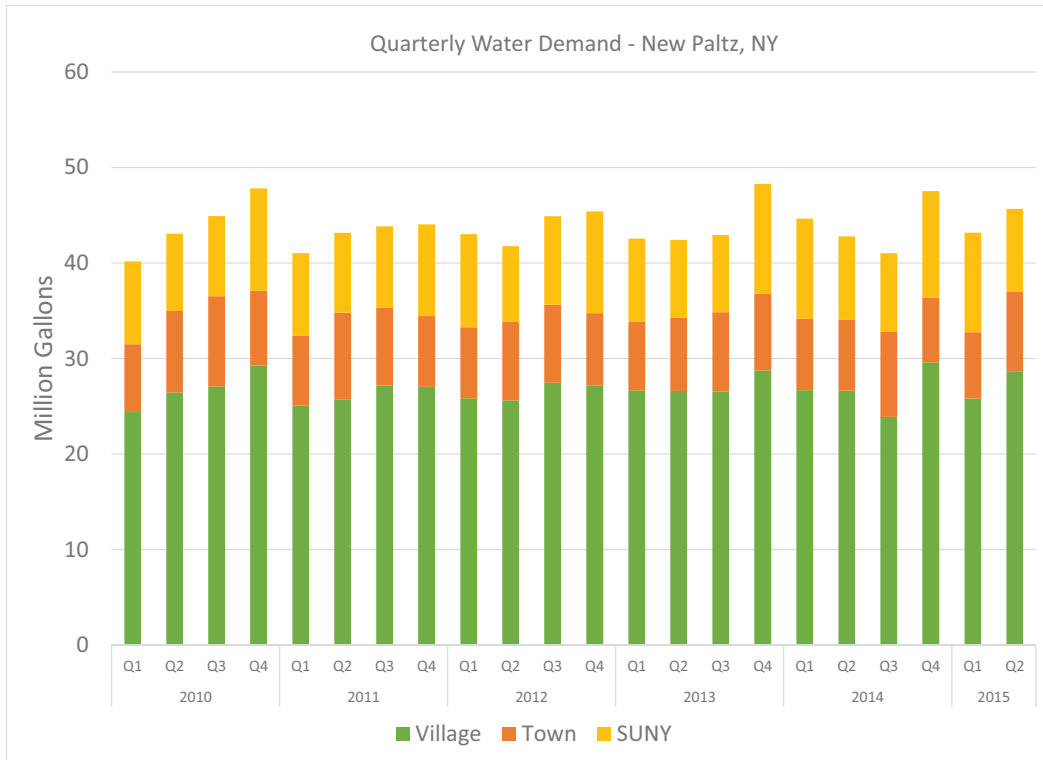
**Figure 5: Metered demand and non-revenue water, New Paltz, 2010 -2014**

Annual metered demand for the Village, Town, and SUNY are shown in Figure 6. The Village is the largest user of water, comprising about 61% of total metered consumption over the past four years.



**Figure 6: Annual metered demand, New Paltz, 2010 – 2014**

Quarterly metered consumption for the Village, Town and SUNY is shown in Figure 4. New Paltz experiences the highest demand during the fourth quarter of each year in this time series. The increase is driven by increased usage in the Village which consistently occurs in the fourth quarter.



**Figure 7: Quarterly water demand, New Paltz, 2010 – 2015**

The Village of New Paltz’s 2014 metered demand is shown as a pie chart in Figure 7. Water demand is divided into key categories including the Village (61%), Town (17%), and SUNY (22%).

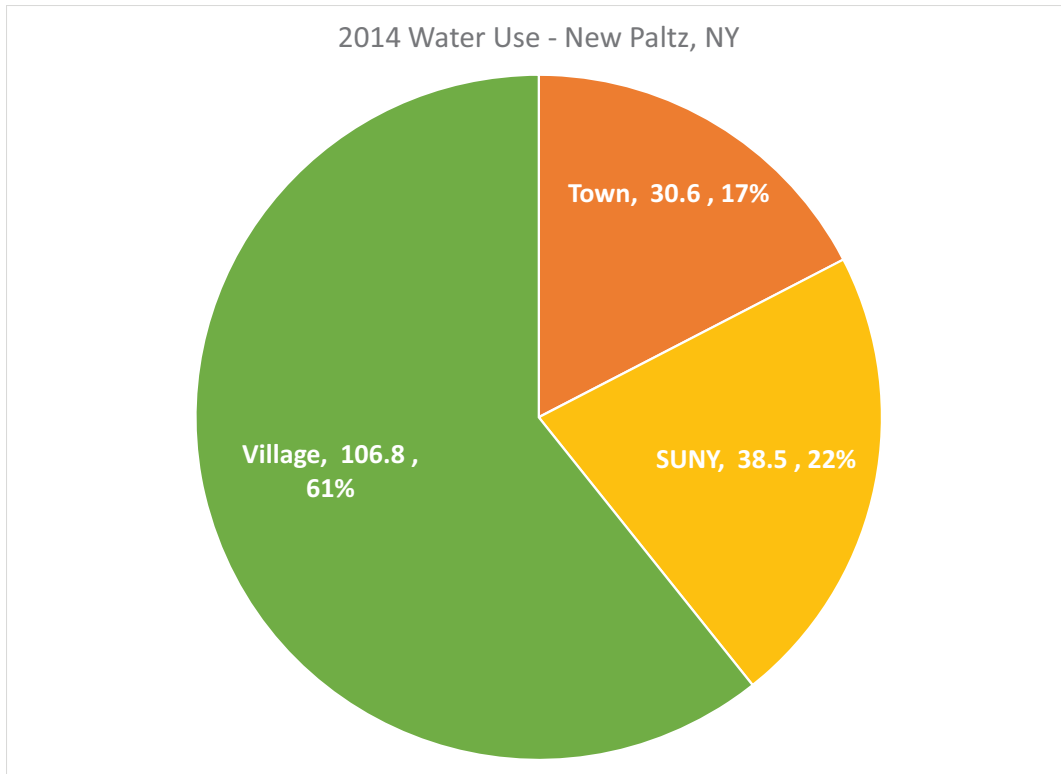


Figure 8: 2014 metered water use, Village, Town, SUNY

## Water Loss Analysis

As part of the preparation of this water demand management plan, WaterDM prepared a basic desktop water loss audit for calendar year 2014 for the New Paltz water system using the American Water Works Association (AWWA) M36 approach and free Excel software version 5.0. Utilities incur real losses from pipeline leakage and apparent losses when customer water consumption is not properly measured or billed. The water audit method used for New Paltz was developed jointly by the International Water Association and AWWA and provides the best management practice tools and guidance water utilities need to efficiently manage their supplies.

While overall non-revenue water in 2014 was 149.033 MG, the 2014 water loss control audit for New Paltz found that approximately 144.9 million gallons of that non-revenue volume are lost from the system over the year. About 10.5 million gallons are Apparent Losses and 134.4 million gallons are Real losses.<sup>4</sup>

Real water losses in New Paltz amounted to 346 gallons per connection per day in 2014, a very high rate. This could probably be brought down to 50 gallons per connection per day over time through a systematic water loss control program. It is calculated that in 2014, the annual cost to New Paltz of the apparent losses in the system was \$49,310 and the annual cost of real losses to the system was \$211,582.

<sup>4</sup> The AWWA M36 Manual (3<sup>rd</sup> ed. 2009) defines apparent losses as unauthorized consumption, customer metering inaccuracies, and systematic data handling errors. Real losses are defined as leakage in transmission and distribution lines, leakage and overflows at storage tanks, and leakage on service connections up to the customer meter.

## 2014 New Paltz Water Loss Control Performance Indicators

### Financial Indicators

- \$49,310 – Annual cost of Apparent losses
- \$211,582 – Annual cost of Real losses (valued at the variable production cost - \$1,573.61 per MG)
- 45.9% - Non-revenue water as percent of volume of water supplied.

### Operational Efficiency

- Apparent losses per service connection – 27.05 gal/connect/day
- Real losses per service connection per day – 345.89 gal/connect/day
- Current Real Annual Losses – 134.46 million gallons/year
- Infrastructure Leakage Index (ILI)<sup>5</sup> – Could not be calculated because of poor/uncertain data quality and/or missing data.

### Water Audit Data Validity Score

New Paltz earned a 46 out of 100 Water Audit Data Validity Score for this, their first Water Audit. A score of 46 is a poor level of overall water accountability, even for a first audit. This score can be improved through the comprehensive water loss control described later in this plan and by reviewing the data validating requirements in the AWWA software (v5.0) and by implementing as many of the recommendations indicated as possible.

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<sup>5</sup> The Infrastructure Leakage Index (ILI) is a performance indicator for comparing utilities operational management of real losses.

**New Paltz 2014 Water Loss Control Audit Summary**

A summary of the data input and outputs from the 2014 New Paltz water loss control audit is presented here.

**Village of New Paltz Water Audit Summary 2014**

**Water Supplied (MG)**

Volume from own sources:	102.768
Water purchased from NYC	222.232
Water exported (included with Billed Metered):	
<b>Water Supplied:</b>	<b>325.000</b>

**Authorized Consumption (MG)**

Billed metered:	175.967
Billed unmetered:	
Unbilled metered:	
Unbilled unmetered:	4.063
<b>Authorized Consumption:</b>	<b>180.030</b>

<b>Water Losses (Water Supplied - Authorized Consumption)</b>	<b>144.971</b>
---	----------------

**Apparent Losses (MG)**

Unauthorized consumption:	0.813
Customer metering inaccuracies:	9.261
Systematic data handling errors:	0.440
<b>Apparent Losses:</b>	<b>10.514</b>

<b>Real Losses = Water Losses - Apparent Losses:</b>	<b>134.457</b>
--	----------------

<b>Water Losses:</b>	<b>144.971</b>
----------------------	----------------

**Table 2: New Paltz 2014 AWWA Water Audit Summary**

**Current and Historic Demand Management**

New Paltz has implemented and continues to implement a few relevant demand management measures. These measures are described briefly below:

*Village of New Paltz - Inclining Block Rate Billing Structure for Water and Sewer*

In the Village of New Paltz, customers are billed quarterly using an inclining block rate structure with a base rate which includes 4,000 gallons of usage and tiers at 50,000 gal., 100,000 gal, 200,000 gal., 400,000 gal., and 750,000 gal. of quarterly consumption. The Village of New Paltz water and sewer rate structure is described in Table 3 and Table 4 below.



**Table 3: Village of New Paltz, volumetric water rates**

<i>Tier</i>	<b>Min Usage/quarter (gal.)</b>	<b>Max Usage/quarter (gal.)</b>	<b>Rate (\$) / kgal</b>
<i>Base/ Fixed</i>		4,000	\$ 18.75*
<i>Step 1</i>	4,000	50,000	\$ 4.69
<i>Step 2</i>	50,001	100,000	\$ 5.16
<i>Step 3</i>	100,001	200,000	\$ 5.67
<i>Step 4</i>	200,001	400,000	\$ 6.24
<i>Step 5</i>	400,001	750,000	\$ 6.86
<i>Step 6</i>	750,001		\$ 7.55

\*\$18.75 is the minimum quarterly charge for 0 – 4,000 gal. usage.

**Table 4: Village of New Paltz, volumetric sewer rates**

<i>Tier</i>	<b>Min Usage/quarter (gal.)</b>	<b>Max Usage/quarter (gal.)</b>	<b>Rate (\$) / kgal</b>
<i>Base/ Fixed</i>		4,000	\$ 17.50*
<i>Step 1</i>	4,000	50,000	\$ 4.38
<i>Step 2</i>	50,001	100,000	\$ 4.81
<i>Step 3</i>	100,001	200,000	\$ 5.29
<i>Step 4</i>	200,001	400,000	\$ 5.82
<i>Step 5</i>	400,001	750,000	\$ 6.41
<i>Step 6</i>	750,001		\$ 7.05

\*\$17.50 is the minimum quarterly charge for 0 – 4,000 gal. usage.

### *Town of New Paltz - Inclining Block Rate Billing Structure for Water and Sewer*

The Town of New Paltz also bills customers quarterly using an inclining block rate structure with a base rate which includes approximately 4,000 gallons of usage and tiers at 50,000 gal., 100,000 gal, 200,000 gal., 400,000 gal., and 750,000 gal. of quarterly consumption. The Town’s water rates vary somewhat between the four water districts and the two sewer district. The Town of New Paltz water and sewer rate structure is described in Table 5 and Table 6 below showing the potential maximum and minimum rate depending on the district.

**Table 5: Town of New Paltz, volumetric water rates**

<i>Tier</i>	<b>Min Usage/quarter (gal.)</b>	<b>Max Usage/quarter (gal.)</b>	<b>Min. Rate (\$) / kgal</b>	<b>Max. Rate** (\$) / kgal</b>
<i>Base/ Fixed</i>		4,000	\$34.83*	\$49.73
<i>Step 1</i>	4,000	50,000	\$9.79	\$14.07
<i>Step 2</i>	50,001	100,000	\$10.54	\$14.82
<i>Step 3</i>	100,001	200,000	\$11.37	\$15.65
<i>Step 4</i>	200,001	400,000	\$12.28	\$16.56
<i>Step 5</i>	400,001	750,000	\$13.28	\$17.56
<i>Step 6</i>	750,001		\$14.38	\$18.66

\*\$34.83 is the minimum quarterly charge for 0 – 4,000 gal.

\*\*Out of District customer charges in Water District 4.

**Table 6: Town of New Paltz, volumetric sewer rates**

<i>Tier</i>	<b>Min Usage/quarter (gal.)</b>	<b>Max Usage/quarter (gal.)</b>	<b>Min. Rate (\$) / kgal</b>	<b>Max. Rate** (\$) / kgal</b>
<i>Base/ Fixed</i>		4,000	\$31.30	\$55.20
<i>Step 1</i>	4,000	50,000	\$8.82	\$16.31
<i>Step 2</i>	50,001	100,000	\$9.53	\$17.01
<i>Step 3</i>	100,001	200,000	\$10.30	\$17.78
<i>Step 4</i>	200,001	400,000	\$11.15	\$18.63
<i>Step 5</i>	400,001	750,000	\$12.08	\$19.57
<i>Step 6</i>	750,001		\$13.11	\$20.60

\*\$31.30 is the minimum quarterly charge for 0 – 4,000 gal. usage.

\*\*Out of District customer charges in Sewer District 5

### Evaluation of Rate Structures

To better understand how the water rates and rate structures impact water bills in New Paltz, hypothetical quarterly water bills were calculated for 8 different types of New Paltz customers using the combined water and sewer rates in the Village and in the Town. The results are shown in Table 7. The effective \$/kgal of use was also calculated and shown. This gives a clearer sense of the cost for water and sewer service confronting customers in the Village and the Town.

**Table 7: Calculated quarterly water bills for different types of Village and Town customers**

	Village			Town	
	Quarterly Use (kgal)	Max. Quarterly Bill (\$)	\$/kgal	Max. Quarterly Bill (\$)	\$/kgal
<i>Efficient SF</i>	8	\$ 72.50	\$ 9.06	\$226.45	\$28.31
<i>Indoor SF</i>	16	\$ 145.01	\$ 9.06	\$469.50	\$29.34
<i>Indoor+ Outdoor SF</i>	32	\$ 290.01	\$ 9.06	\$955.60	\$29.86
<i>Indoor + Higher Outdoor</i>	64	\$ 592.72	\$ 9.26	\$1,809.02	\$28.27
<i>Commercial Medium</i>	100	\$ 951.60	\$ 9.52	\$2,876.26	\$28.76
<i>Commercial Mixed</i>	200	\$ 2,048.20	\$ 10.24	\$6,006.29	\$30.03
<i>Commercial Large</i>	400	\$ 4,460.60	\$ 11.15	\$12,630.36	\$31.58
<i>SUNY</i>	800	\$ 9,834.17	\$ 12.29	\$25,764.58	\$32.21

While both the Village and the Town of New Paltz’s rate structures provides a price incentive for conservation through its increasing tier structure, the quarterly billing cycle makes it difficult for customers to make rational economic decisions on their water use. Quarterly billing is not considered a demand management best practice by AWWA (monthly is best, bi-monthly is acceptable).<sup>6</sup>

As shown in Table 7, the price difference for 1,000 gallons of water and sewer service varies from \$9.06 to \$12.29 across the six tier structure in the Village and between \$28.31 and \$32.31 in the Town. Obviously residents in the Town face substantially higher rates on the order of the times the rate paid by customers in the Village. This range of pricing within the Village and Town rate structures is not particularly large, but should provide some incentive for water conservation. However, the nature of the quarterly billing cycle makes it difficult for customers to recognize changes in consumption and to take action in a timely manner.

To more effectively incent customers through pricing mechanisms, the Village and should consider switching to a monthly or bi-monthly billing cycle. This may not be practical given current staffing levels, but should be kept as an option if additional demand reductions are needed in the future.

### *Water Loss Control Measures*

New Paltz has recently taken important proactive steps to reduce water loss, but it is a long and difficult process. New Paltz utilizes a 12 year water meter replacement cycle, which is considered an industry best practice. More than 50% of the current replacement cycle has now been completed.

New Paltz conducts annual leak detection surveys and uses its SCADA system to conduct night flow studies in District Metered Areas (DMA’s). These are also considered industry best practices. Even with these measures in place, staff report it took 20 days to find a particularly vexing leak in 2014. New Paltz staff estimated an annual investment of \$100,000 per year in water loss control measures including leak detection and monitoring.

<sup>6</sup> AWWA G480 Water Conservation Program Operation and Management Standard (2013).

Additional leak detection and water loss control measures are something the New Paltz is interested in pursuing through the NYC DEP planning process.

### **Comments on Water Loss Control**

New Paltz is implementing a number of best practices for water loss control. They should continue to implement an annual M36 water audit. It should not be difficult to complete audits for 2014 and 2015 and it could be done as part of this planning project. A minimal amount of additional data would be required. New Paltz's best practice metering program should reduce apparent water losses. DEP funding could be used to augment and improve New Paltz's current efforts with an emphasis on reducing real losses.

#### *Village of New Paltz Advanced Metering and Leak Alert Program*

In 2008 the Village of New Paltz contracted with National Meter to install new water meters capable of being read remotely. The Orion metering system, manufactured by the Badger Meter Company of Wisconsin is one of the most popular remote meter reading systems on the market.

An important feature of the Orion system, enables the Village to monitor water use for all customers on an hourly basis. The Orion system produces a daily **??** report of customers with continuous water usage in the Village – an indication of a possible leak. The Village has begun contacting customers based on this information and is developing a coordinated approach for using this information to find, fix, and repair customer water leaks and unnecessary continuous use.

The Orion system has been in place since 2008, but New Paltz has not conducted an evaluation to determine the effectiveness of the water reports provided. This is something to consider for the future.

The Village would like to extend the use of this system and its capabilities for alerting customers to leaks and abnormal usage to the Town of New Paltz. This concept is presented in the discussion of program measures.

#### *Drought Response and Emergency Curtailment*

In the event of a water supply emergency, the Village of New Paltz Board of Trustees has the authority to publicly declare an emergency and impose necessary water use restrictions. Section 207-15 (below) covers water emergencies:

##### § 207-15 Emergencies.

###### A.

Declaration. Whenever the Board of Trustees shall determine that an emergency exists due to shortage of water, the Board of Trustees shall publicly declare the existence of an emergency by adopting a resolution to that effect at a regular or special meeting and causing a notice thereof to be published in the official newspaper of the Village. Thereafter no water from the Village water system shall be wasted in any manner nor shall any water be used for any purpose other than necessary household or business consumption until such time as the Board of Trustees shall declare that the emergency is terminated.

###### B.

Necessary household and business use defined. Necessary household and business use shall include use of water for drinking, washing and bathroom facilities but shall not include the use of water for sprinkling lawns or shrubbery, washing of porches or vehicles or use of water in air-

conditioning equipment where the water is not recirculated or for other uses of similar character.

C.

Special uses may be permitted. The Board of Trustees may from time to time during an emergency permit use of water for certain specified purposes which shall be stated in the resolution of the Board.

D.

Water may be shut off for violation. In addition to the penalty otherwise herein prescribed, the Board of Trustees may in the event of a violation of this section order the water to the premises of the violator to be shut off in the same procedure provided in Subsection C of § 207-1 of this chapter.

### *1998-99 Toilet Rebate*

In late December 1998, the Village of New Paltz offered a low-volume toilet rebate program which offered a rebate for replacing up the three toilets. According to a local press account<sup>7</sup>, the Village offered \$100 for replacing one toilet, \$175 for two toilets, and \$225 for three toilets. It is unknown how many toilets were replaced under this program, but it seems likely that a substantial number of old, inefficient fixtures were replaced under this generous (for the time) rebate program.

## Water Savings Goal

The water savings goal for this plan is for the Village and Town of New Paltz (including SUNY) to achieve water demand reductions of at least 30 gpm in advance of and during the planned aqueduct outages in the fall of 2017, 2018, 2019, and 2020. This level of reduction is intended to act as a buffer during the outage to reduce groundwater pumping. This savings goal is based on 5% of the proposed new groundwater supply capacity (600 gpm). The water savings goal is summarized and put into context in Table 6 below.

Village and Town of New Paltz	2014 (MGD)	2014 (MG)
Water Purchased from NYC	0.6	218.6
Water from New Paltz Ponds	0.3	105.9
Total Produced	0.9	324.5
Metered Demand	0.5	176.0
Non-Revenue Water	0.4	148.5
<b>30 gpm savings goal</b>	<b>0.04</b>	<b>15.8</b>

The savings goal of 15.8 MG represents about 4.4% of the total water produced in 2014, but represents 6.7% of the water purchased from NYC. It is interesting to note that a 10% reduction in non-revenue water in New Paltz would accomplish the savings goal.

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<sup>7</sup> Wed. Dec. 30, 1999 article.

# 4. Water Demand Management Program Measures and Options

The analysis of water demand management program options for the Village and Town of New Paltz identified four areas that appear promising for implementation and have the potential of achieving and exceeding the desired demand reduction. The areas are:

1. Water loss control including component analysis of real losses, comprehensive leak detection, water main and service line repair, and pressure management.
2. Replacing all water meters in the Town with the Badger Orion system and providing customer information and leakage alerts as is currently done for the Village.
3. Voluntary and/or mandatory curtailment 3 months a year during the aqueduct outages.
4. Increased water efficiency on the SUNY campus coupled with full metering and accountability for SUNY demand.

Each measure is briefly described below and a summary of the preliminary water savings and cost analysis is presented in Table 4.1. The cost estimates presented here are “reconnaissance level” (+/- 25%) estimates intended to provide information on the relative costs of different demand management measures.

*EXHIBIT 3*

Village of New Paltz Hydraulic Analysis-Map of Computer Model

WATER TREATMENT PLANT



NOTE:  
Pressures (psi) displayed at each junction represent the resulting pressures from a WaterCAD model simulation. This was a steady-state simulation that was performed using average daily demands under existing conditions as of August 2016.

NOTE:  
Not all pipes shown are drawn exactly to scale as some were modeled in WaterCAD with user-defined pipe lengths.

NOTE:  
The location of existing underground utilities are shown in an approximate way only and have not been independently verified by the owner or its representative. The contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities.



Unauthorized alteration or addition to a plan bearing a licensed engineer's seal is a violation of section 7209, subdivision 2, of the New York State Education Law.

2 1,500,000 GALLON  
WATER STORAGE TANKS  
(MODELED AS ONE TANK)  
98 psi/11

MAP OF COMPUTER MODEL		FOR	
VILLAGE OF NEW PALTZ		ULSTER COUNTY NEW YORK	
DATE	REVISION RECORD	BRINNIER & LARIOS, P.C.	
		67 MAIDEN LANE KINGSTON, N.Y.	
		Phone: 845-338-7622 Fax: 845-338-7660	
SCALE	DATE	SHEET NO.	
1" = 600'	APRIL 2017	1 OF 1	
	DWG PL	CHK RPR	



**EXHIBIT 4**

Insurance Services Office (ISO) Summary

**Summary of Public Protection Classification Review**

**Completed by ISO**

**for**

**New Paltz includes New Paltz TFPD**

<b>FSRS Item</b>	<b>Earned Credit</b>	<b>Credit Available</b>
<b>Receiving and Handling Fire Alarms</b>		
414. Credit for Telephone Service	1.70	2
422. Credit for Operators	1.83	3
432. Credit for Dispatch Circuits	2.25	5
<b>440. Credit for Receiving and Handling Fire Alarms</b>	<b>5.78</b>	<b>10</b>
<b>Fire Department</b>		
513. Credit for Engine Companies	5.36	10
523. Credit for Reserve Pumpers	0.41	1
532. Credit for Pumper Capacity	5.00	5
549. Credit for Ladder Service	4.50	5
553. Credit for Reserve Ladder and Service Trucks	0.17	1
561. Credit for Distribution	2.59	4
571. Credit for Company Personnel	2.60	15
580. Credit for Training	1.95	9
<b>590. Credit for Fire Department</b>	<b>22.58</b>	<b>50</b>
<b>Water Supply</b>		
616. Credit for Supply System	25.03	35
621. Credit for Hydrants	1.92	2
631. Credit for Inspection and Condition	1.67	3
<b>640. Credit for Water Supply</b>	<b>28.62</b>	<b>40</b>
<b>Divergence</b>	<b>-5.28</b>	<b>--</b>
<b>Total Credit</b>	<b>51.70</b>	<b>100</b>

**Community Classification = 5/8B**

If the individual scores New Paltz includes New Paltz TFPD achieved for Receiving and Handling Fire Alarms; Fire Department; and Water Supply were translated into a 100 point scale instead of the (10, 50 and 40) points actually used, the relative Fire Suppression Rating Schedule classification for each of these sections would be:

Receiving and Handling Fire Alarms: a (relative) **Class 5**

Fire Department: a (relative) **Class 6**

Water Supply: a (relative) **Class 3**

*EXHIBIT 5*

Opinion of Probable Costs

**2019 DWSRF WATER PROJECTS COST SUMMARY**

**VILLAGE OF NEW PALTZ  
ULSTER COUNTY, NEW YORK**

		TOTAL CONSTRUCTION	TOTAL ENGINEERING & SURVEYING	TOTAL INSPECTION	TOTAL EACH PROJECT
PROJECT		Amount	Amount	Amount	Amount
1	Morning Star East to Aqueduct Pump Station	\$ 1,304,000.00	\$ 156,000.00	\$ 91,000.00	\$ 1,551,000.00
2	Route 32 - From Main Street to Village Boundary	\$ 1,139,950.00	\$ 137,000.00	\$ 80,000.00	\$ 1,356,950.00
3	North Manheim Boulevard	\$ 449,250.00	\$ 54,000.00	\$ 31,000.00	\$ 534,250.00
4	Prospect Street	\$ 430,500.00	\$ 52,000.00	\$ 30,000.00	\$ 512,500.00
5	Huguenot Street - From Main Street to North Front Street	\$ 374,300.00	\$ 45,000.00	\$ 26,000.00	\$ 445,300.00
6	South Chestnut Street - From Main Street to Southside Avenue	\$ 589,200.00	\$ 71,000.00	\$ 41,000.00	\$ 701,200.00
<b>TOTALS</b>		\$ 4,287,200.00	\$ 515,000.00	\$ 299,000.00	\$ 5,101,200.00

VILLAGE OF NEW PALTZ DWSRF WATER PROJECTS-2019

**REPLACEMENT OF WATER MAIN AND APPURTENANCES 12" WATER MAIN FROM MORNING STAR EAST TO AQUEDUCT PUMP STATION  
VILLAGE OF NEW PALTZ, ULSTER COUNTY, NEW YORK  
OPINION OF PROBABLE COSTS**

**AUGUST 2019 -PROJECT 1**

<b>Item</b>	<b>Description</b>	<b>Pay Unit</b>	<b>Unit Price</b>	<b>Est. Qty.</b>	<b>Est. Cost</b>	<b>Total</b>
1	Maintenance & Protection of Traffic	<i>lump sum</i>	\$ 10,000.00	1	\$ 10,000	\$ 10,000.00
2	Site Preparation and Maintenance	<i>lump sum</i>	55,000.00	1	\$ 55,000	\$ 55,000.00
3	Furnish and Install 12" Dia. Water Main	<i>lf</i>	130.00	5,000	\$ 650,000	\$ 650,000.00
4	Furnish and Install Directionally Bored 12" Dia. SDR 11 HDPE Water Main	<i>lf</i>	225.00	1,000	\$ 225,000	\$ 225,000.00
5	Furnish and Install Hydrants	<i>each</i>	5,000.00	3	\$ 15,000	\$ 15,000.00
6	Furnish and Install 12" Gate Valves and Tee	<i>each</i>	4,500.00	2	\$ 9,000	\$ 9,000.00
7	Furnish and Install 12" Gate Valves on Line	<i>each</i>	4,000.00	4	\$ 16,000	\$ 16,000.00
8	Furnish and Install Service Connections	<i>each</i>	2,500.00	10	\$ 25,000	\$ 25,000.00
9	Rock Removal (Hammering)	<i>cy</i>	250.00	500	\$ 125,000	\$ 125,000.00
10	Furnish and Install Select Fill Material	<i>cy</i>	40.00	1,000	\$ 40,000	\$ 40,000.00
11	Furnish and Install Specials	<i>ton</i>	7,500.00	2	\$ 15,000	\$ 15,000.00
<b>Construction Sub-Total</b>					<b>\$ 1,185,000.00</b>	<b>\$ 1,185,000.00</b>
Contingencies 10%					\$ 119,000.00	\$ 119,000.00
<b>CONSTRUCTION TOTAL</b>					<b>\$ 1,304,000.00</b>	<b>\$ 1,304,000.00</b>
Engineering & Surveying					\$ 156,000.00	\$ 156,000.00
Construction Inspection					\$ 91,000.00	\$ 91,000.00
Administrative					\$ -	\$ -
<b>TOTAL PROJECT COST</b>					<b>\$ 1,551,000.00</b>	<b>\$ 1,551,000.00</b>

**Note:**

State and Federal Prevailing Wage Schedules are factored into the Opinion of Probable Cost  
Cost estimate factors in compliance with Federal, State and Local procurement standards

VILLAGE OF NEW PALTZ DWSRF WATER PROJECTS-2019

**REPLACEMENT OF WATER MAIN AND APPURTENANCES-ROUTE 32 -FROM MAIN STREET TO VILLAGE BOUNDARY  
VILLAGE OF NEW PALTZ, ULSTER COUNTY, NEW YORK  
OPINION OF PROBABLE COSTS**

**AUGUST 2019 - PROJECT 2**

<b>Item</b>	<b>Description</b>	<b>Pay Unit</b>	<b>Unit Price</b>	<b>Est. Qty.</b>	<b>Est. Cost</b>	<b>Total</b>
1	Maintenance & Protection of Traffic	<i>lump sum</i>	\$ 50,000.00	1	\$ 50,000	\$ 50,000.00
2	Site Preparation and Maintenance	<i>lump sum</i>	64,000.00	1	\$ 64,000	\$ 64,000.00
3	Furnish and Install 8" Dia. Water Main	<i>lf</i>	90.00	5,125	\$ 461,250	\$ 461,250.00
4	Furnish and Install Hydrants	<i>each</i>	5,000.00	9	\$ 45,000	\$ 45,000.00
5	Furnish and Install 8" Gate Valves	<i>each</i>	2,000.00	8	\$ 16,000	\$ 16,000.00
6	Furnish and Install 6" X 8" Wet Tap and Valve	<i>each</i>	5,500.00	2	\$ 11,000	\$ 11,000.00
7	Furnish and Install 8" x 8" Wet Tap and Valve	<i>each</i>	5,750.00	1	\$ 5,750	\$ 5,750.00
8	Furnish and Install Service Connections	<i>each</i>	2,500.00	49	\$ 122,500	\$ 122,500.00
9	Rock Removal (Hammering)	<i>cy</i>	250.00	300	\$ 75,000	\$ 75,000.00
10	Furnish and Install Select Fill Material	<i>cy</i>	40.00	550	\$ 22,000	\$ 22,000.00
11	Furnish and Install Specials	<i>ton</i>	7,500.00	4	\$ 30,000	\$ 30,000.00
11	Furnish and Install Stream Crossing	<i>each</i>	35,000.00	1	\$ 35,000	\$ 35,000.00
12	Asphalt Overlay Shoulder Only	<i>tons</i>	110.00	895	\$ 98,450	\$ 98,450.00
<b>Construction Sub-Total</b>					<b>\$ 1,035,950.00</b>	<b>\$ 1,035,950.00</b>
Contingencies 10%					\$ 104,000.00	\$ 104,000.00
<b>CONSTRUCTION TOTAL</b>					<b>\$ 1,139,950.00</b>	<b>\$ 1,139,950.00</b>
Engineering & Surveying					\$ 137,000.00	\$ 137,000.00
Construction Inspection					\$ 80,000.00	\$ 80,000.00
Administrative					\$ -	\$ -
<b>TOTAL PROJECT COST</b>					<b>\$ 1,356,950.00</b>	<b>\$ 1,356,950.00</b>

**Note:**

State and Federal Prevailing Wage Schedules are factored into the Opinion of Probable Cost  
Cost estimate factors in compliance with Federal, State and Local procurement standards

VILLAGE OF NEW PALTZ DWSRF WATER PROJECTS-2019

**REPLACEMENT OF WATER MAIN AND APPURTENANCES-NORTH MANHEIM BOULEVARD  
VILLAGE OF NEW PALTZ, ULSTER COUNTY, NEW YORK  
OPINION OF PROBABLE COSTS**

**AUGUST 2019 - PROJECT 3**

<b>Item</b>	<b>Description</b>	<b>Pay Unit</b>	<b>Unit Price</b>	<b>Est. Qty.</b>	<b>Est. Cost</b>	<b>Total</b>	
1	Maintenance & Protection of Traffic	<i>lump sum</i>	\$ 18,000.00	1	\$ 18,000	\$ 18,000.00	
2	Site Preparation and Maintenance	<i>lump sum</i>	25,000.00	1	\$ 25,000	\$ 25,000.00	
3	Furnish and Install 8" Dia. Water Main	<i>lf</i>	90.00	1,500	\$ 135,000	\$ 135,000.00	
4	Furnish and Install Hydrants	<i>each</i>	5,000.00	4	\$ 20,000	\$ 20,000.00	
5	Furnish and Install 8" Gate Valves	<i>each</i>	2,000.00	4	\$ 8,000	\$ 8,000.00	
6	Furnish and Install Service Connections	<i>each</i>	2,500.00	31	\$ 77,500	\$ 77,500.00	
7	Rock Removal (Hammering)	<i>cy</i>	250.00	200	\$ 50,000	\$ 50,000.00	
8	Furnish and Install Select Fill Material	<i>cy</i>	40.00	350	\$ 14,000	\$ 14,000.00	
9	Furnish and Install Specials	<i>ton</i>	7,500.00	2	\$ 11,250	\$ 11,250.00	
10	Asphalt Overlay	<i>tons</i>	110.00	450	\$ 49,500	\$ 49,500.00	
<b>Construction Sub-Total</b>					<b>\$ 408,250.00</b>	<b>\$ 408,250.00</b>	
					Contingencies 10%	\$ 41,000.00	\$ 41,000.00
					<b>CONSTRUCTION TOTAL</b>	<b>\$ 449,250.00</b>	<b>\$ 449,250.00</b>
					Engineering & Surveying	\$ 54,000.00	\$ 54,000.00
					Construction Inspection	\$ 31,000.00	\$ 31,000.00
					Administrative	\$ -	\$ -
					<b>TOTAL PROJECT COST</b>	<b>\$ 534,250.00</b>	<b>\$ 534,250.00</b>

**Note:**

State and Federal Prevailing Wage Schedules are factored into the Opinion of Probable Cost  
Cost estimate factors in compliance with Federal, State and Local procurement standards

VILLAGE OF NEW PALTZ DWSRF WATER PROJECTS-2019

**REPLACEMENT OF WATER MAIN AND APPURTENANCES-PROSPECT STREET  
VILLAGE OF NEW PALTZ, ULSTER COUNTY, NEW YORK  
OPINION OF PROBABLE COSTS**

**AUGUST 2019 - PROJECT 4**

<b>Item</b>	<b>Description</b>	<b>Pay Unit</b>	<b>Unit Price</b>	<b>Est. Qty.</b>	<b>Est. Cost</b>	<b>Total</b>
1	Maintenance & Protection of Traffic	<i>lump sum</i>	\$ 18,000.00	1	\$ 18,000	\$ 18,000.00
2	Site Preparation and Maintenance	<i>lump sum</i>	25,000.00	1	\$ 25,000	\$ 25,000.00
3	Furnish and Install 8" Dia. Water Main	<i>lf</i>	90.00	1,475	\$ 132,750	\$ 132,750.00
4	Furnish and Install Hydrants	<i>each</i>	5,000.00	4	\$ 20,000	\$ 20,000.00
5	Furnish and Install 8" Gate Valves	<i>each</i>	2,000.00	3	\$ 6,000	\$ 6,000.00
6	Furnish and Install Service Connections	<i>each</i>	2,500.00	26	\$ 65,000	\$ 65,000.00
7	Rock Removal (Hammering)	<i>cy</i>	250.00	200	\$ 50,000	\$ 50,000.00
8	Furnish and Install Select Fill Material	<i>cy</i>	40.00	350	\$ 14,000	\$ 14,000.00
9	Furnish and Install Specials	<i>ton</i>	7,500.00	2	\$ 11,250	\$ 11,250.00
10	Asphalt Overlay	<i>tons</i>	110.00	450	\$ 49,500	\$ 49,500.00
<b>Construction Sub-Total</b>					<b>\$ 391,500.00</b>	<b>\$ 391,500.00</b>
			Contingencies 10%		\$ 39,000.00	\$ 39,000.00
			<b>CONSTRUCTION TOTAL</b>		\$ 430,500.00	\$ 430,500.00
			Engineering & Surveying		\$ 52,000.00	\$ 52,000.00
			Construction Inspection		\$ 30,000.00	\$ 30,000.00
			Administrative		\$ -	\$ -
					<b>\$ 512,500.00</b>	<b>\$ 512,500.00</b>

**Note:**

State and Federal Prevailing Wage Schedules are factored into the Opinion of Probable Cost  
Cost estimate factors in compliance with Federal, State and Local procurement standards



VILLAGE OF NEW PALTZ DWSRF WATER PROJECTS-2019

**REPLACEMENT OF WATER MAIN AND APPURTENANCES-HUGUENOT STREET FROM MAIN STREET TO NORTH FRONT STREET  
VILLAGE OF NEW PALTZ, ULSTER COUNTY, NEW YORK  
OPINION OF PROBABLE COSTS**

**AUGUST 2019 - PROJECT 5**

<b>Item</b>	<b>Description</b>	<b>Pay Unit</b>	<b>Unit Price</b>	<b>Est. Qty.</b>	<b>Est. Cost</b>	<b>Total</b>
1	Maintenance & Protection of Traffic	<i>lump sum</i>	\$ 20,000.00	1	\$ 20,000	\$ 20,000.00
2	Site Preparation and Maintenance	<i>lump sum</i>	25,000.00	1	\$ 25,000	\$ 25,000.00
3	Furnish and Install 8" Dia. Water Main	<i>lf</i>	90.00	1,695	\$ 152,550	\$ 152,550.00
4	Furnish and Install Hydrants	<i>each</i>	5,000.00	4	\$ 20,000	\$ 20,000.00
5	Furnish and Install 8" Gate Valves	<i>each</i>	2,000.00	4	\$ 8,000	\$ 8,000.00
6	Furnish and Install Service Connections	<i>each</i>	2,500.00	4	\$ 10,000	\$ 10,000.00
7	Rock Removal (Hammering)	<i>cy</i>	250.00	100	\$ 25,000	\$ 25,000.00
8	Furnish and Install Select Fill Material	<i>cy</i>	40.00	500	\$ 20,000	\$ 20,000.00
9	Furnish and Install Specials	<i>ton</i>	7,500.00	1	\$ 7,500	\$ 7,500.00
8	Asphalt Overlay	<i>tons</i>	110.00	475	\$ 52,250	\$ 52,250.00
<b>Construction Sub-Total</b>					<b>\$ 340,300.00</b>	<b>\$ 340,300.00</b>
			Contingencies 10%		\$ 34,000.00	\$ 34,000.00
			<b>CONSTRUCTION TOTAL</b>		\$ 374,300.00	\$ 374,300.00
			Engineering & Surveying		\$ 45,000.00	\$ 45,000.00
			Construction Inspection		\$ 26,000.00	\$ 26,000.00
			Administrative		\$ -	\$ -
			<b>TOTAL PROJECT COST</b>		<b>\$ 445,300.00</b>	<b>\$ 445,300.00</b>

**Note:**

State and Federal Prevailing Wage Schedules are factored into the Opinion of Probable Cost  
Cost estimate factors in compliance with Federal, State and Local procurement standards

VILLAGE OF NEW PALTZ DWSRF WATER PROJECTS-2019

**REPLACEMENT OF WATER MAIN AND APPURTENANCES-SOUTH CHESTNUT STREET FROM MAIN STREET TO SOUTHSIDE AVE.  
VILLAGE OF NEW PALTZ, ULSTER COUNTY, NEW YORK  
OPINION OF PROBABLE COSTS**

AUGUST 2019- PROJECT 6

<b>Item</b>	<b>Description</b>	<b>Pay Unit</b>	<b>Unit Price</b>	<b>Est. Qty.</b>	<b>Est. Cost</b>	<b>Total</b>	
1	Maintenance & Protection of Traffic	<i>lump sum</i>	\$ 27,000.00	1	\$ 27,000	\$ 27,000.00	
2	Site Preparation and Maintenance	<i>lump sum</i>	31,000.00	1	\$ 31,000	\$ 31,000.00	
3	Furnish and Install 8" Dia. Water Main	<i>lf</i>	90.00	1,900	\$ 171,000	\$ 171,000.00	
4	Furnish and Install Hydrants	<i>each</i>	5,000.00	4	\$ 20,000	\$ 20,000.00	
5	Furnish and Install 8" Gate Valves	<i>each</i>	2,000.00	4	\$ 8,000	\$ 8,000.00	
6	Furnish and Install Service Connections	<i>each</i>	2,500.00	40	\$ 100,000	\$ 100,000.00	
7	Rock Removal (Hammering)	<i>cy</i>	250.00	250	\$ 62,500	\$ 62,500.00	
8	Furnish and Install Select Fill Material	<i>cy</i>	40.00	500	\$ 20,000	\$ 20,000.00	
9	Furnish and Install Specials	<i>ton</i>	7,500.00	2	\$ 15,000	\$ 15,000.00	
10	Furnish and Install Pavement Painting (4" Wide)	<i>lf</i>	3.00	6,000	\$ 18,000	\$ 18,000.00	
11	Asphalt Overlay	<i>tons</i>	110.00	570	\$ 62,700	\$ 62,700.00	
<b>Construction Sub-Total</b>					<b>\$ 535,200.00</b>	<b>\$ 535,200.00</b>	
					Contingencies 10%	\$ 54,000.00	\$ 54,000.00
					<b>CONSTRUCTION TOTAL</b>	<b>\$ 589,200.00</b>	<b>\$ 589,200.00</b>
					Engineering & Surveying	\$ 71,000.00	\$ 71,000.00
					Construction Inspection	\$ 41,000.00	\$ 41,000.00
					Administration	\$ -	\$ -
					<b>TOTAL PROJECT COST</b>	<b>\$ 701,200.00</b>	<b>\$ 701,200.00</b>

**Note:**

State and Federal Prevailing Wage Schedules are factored into the Opinion of Probable Cost  
Cost estimate factors in compliance with Federal, State and Local procurement standards

**EXHIBIT 6**

2019-2020 Village Budget

# **VILLAGE BUDGET**

FOR 2019-2020

ANNUAL BUDGET

*Adopted on  
April 24, 2019*

OF THE VILLAGE OF NEW PALTZ  
IN THE COUNTY OF ULSTER

**FOR THE FISCAL YEAR**

BEGINNING ON JUNE 1, 2019

AND ENDING ON MAY 31, 2020

**RECEIVED**  
APR 24 2019

**BY:.....**

VILLAGE OF NEW PALTZ

YEAR ENDING MAY 31, 2020

SUMMARY OF BUDGET - BY FUNDS

CODE	FUND	APPROPRIATIONS	LESS ESTIMATED REVENUES	LESS UNEXPENDED BALANCE	LESS APPROPRIATED RESERVE	AMOUNT TO BE RAISED BY TAX
A	GENERAL	\$ 3,176,611.00	\$ 1,590,633.00	\$ 98,500.00	\$ -	\$ 1,487,478.00
F	WATER	\$ 1,728,805.00	\$ 1,478,061.00	\$ 234,276.00	\$ 16,468.00	
G	SEWER	\$ 1,319,454.00	\$ 1,319,454.00	\$ -	\$ -	
H	CAPITAL	\$ 2,245,699.00	\$ 2,245,699.00	\$ -		
TOTAL (ALL)		\$ 8,470,569.00	\$ 6,633,847.00	\$ 332,776.00	\$ 16,468.00	\$ 1,487,478.00

Total  
Assessment: \$ 302,823,088.00

\$4.912



SCHEDULE 1 - A

APPROPRIATIONS - GENERAL FUND

GENERAL GOVERNMENT SUPPORT

		EXPENDED PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>LEGISLATIVE</b>						
BOARD OF TRUSTEES						
A1010.100	Personnel Services	\$ 28,999.92	\$ 29,000.00	\$ 29,000.00	\$ 29,000.00	\$ 29,000.00
A1010.200	Equipment		\$ -	\$ -	\$ -	\$ -
A1010.400	Contractual Expenses	8,277.91	8,050.00	8,050.00	8,050.00	8,050.00
	TOTAL	\$ 37,277.83	\$ 37,050.00	\$ 37,050.00	\$ 37,050.00	\$ 37,050.00
<b>TOTAL LEGISLATIVE</b>		<b>\$ 37,277.83</b>	<b>\$ 37,050.00</b>	<b>\$ 37,050.00</b>	<b>\$ 37,050.00</b>	<b>\$ 37,050.00</b>
<b>JUDICIAL</b>						
PARKING VIOLATIONS						
A1130.100	Personnel Services	\$ 48,992.70	\$ 46,354.00	\$ 44,575.00	\$ 44,575.00	\$ 44,575.00
A1130.200	Equipment	\$ -	\$ 1,500.00			
A1130.400	Contractual Expenses	8,807.60	7,438.00	7,372.00	7,372.00	7,372.00
	TOTAL	\$ 57,800.30	\$ 55,292.00	\$ 51,947.00	\$ 51,947.00	\$ 51,947.00
<b>TOTAL JUDICIAL</b>		<b>\$ 57,800.30</b>	<b>\$ 55,292.00</b>	<b>\$ 51,947.00</b>	<b>\$ 51,947.00</b>	<b>\$ 51,947.00</b>
<b>EXECUTIVE</b>						
MAYOR						
A1210.100	Personnel Services	\$ 45,305.50	\$ 45,450.00	\$ 45,450.00	\$ 55,450.00	\$ 55,450.00
A1210.200	Equipment	\$ -				
A1210.400	Contractual Expenses	2,881.92	2,900.00	2,720.00	2,720.00	2,720.00
A1210.401	Tenant/Landlord		1,000.00	1,000.00	1,000.00	1,000.00
	TOTAL	\$ 48,187.42	\$ 49,350.00	\$ 49,170.00	\$ 59,170.00	\$ 59,170.00
<b>TOTAL EXECUTIVE</b>		<b>\$ 48,187.42</b>	<b>\$ 49,350.00</b>	<b>\$ 49,170.00</b>	<b>\$ 59,170.00</b>	<b>\$ 59,170.00</b>
<b>FINANCES</b>						
ACCOUNTING						
A1320.100	Personnel Services	\$ -	\$ -	\$ -	\$ -	\$ -
A1320.200	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -
A1320.400	Contractual Expenses	41,392.83	40,500.00	45,000.00	45,000.00	45,000.00
	TOTAL	\$ 41,392.83	\$ 40,500.00	\$ 45,000.00	\$ 45,000.00	\$ 45,000.00
TREASURER						
A1325.100	Personnel Services	\$ 157,951.10	\$ 148,387.00	\$ 150,736.00	\$ 150,736.00	\$ 150,736.00
A1325.200	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -
A1325.400	Contractual Expenses	2,935.99	2,723.00	2,648.00	2,648.00	2,648.00
	TOTAL	\$ 160,887.09	\$ 151,110.00	\$ 153,384.00	\$ 153,384.00	\$ 153,384.00
BUDGET						
A1340.100	Personnel Services	\$ -	\$ -	\$ -	\$ -	\$ -
A1340.200	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -
A1340.400	Contractual Expenses	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -

Appropriations  
 General Government Support,

EXPENDED  
PREVIOUS YEAR

FINAL BUDGET  
ADOPTED

TENTATIVE  
BUDGET

BUDGET OFFICER  
REC

FINAL BUDGET  
ADOPTED

**FINANCES (Cont'd)**

ASSESSMENT

A1355.400	Contractual Expenses	\$ -					
	TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A1362.400	Tax Advertising/Expense	\$ 1,224.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
	TOTAL	\$ 1,224.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00

**TOTAL FINANCES** \$ 203,503.92 \$ 193,110.00 \$ 199,884.00 \$ 199,884.00 \$ 199,884.00

**STAFF**

CLERK

A1410.100	Personal Services	\$ 52,210.94	\$ 56,002.00	\$ 66,250.00	\$ 66,250.00	\$ 66,250.00	\$ 66,250.00
A1410.200	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A1410.400	Contractual	\$ 3,694.51	\$ 4,092.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00	\$ 3,840.00
	TOTAL	\$ 55,905.45	\$ 60,094.00	\$ 70,090.00	\$ 70,090.00	\$ 70,090.00	\$ 70,090.00

LAW

A1420.400	Contractual Expenses	\$ 80,027.80	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00
	TOTAL	\$ 80,027.80	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00	\$ 85,000.00

ENGINEER

A1440.400	Contractual Expenses	\$ 46,303.50	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
	TOTAL	\$ 46,303.50	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00

ELECTION

A1450.400	Contractual Expenses	\$ -	\$ 5,500.00	\$ -	\$ -	\$ -	\$ -
	TOTAL	\$ -	\$ 5,500.00	\$ -	\$ -	\$ -	\$ -

RECORDS MANAGEMENT

A1460.100	Personnel Services						
A1460.400	Contractual Expenses	\$ 12.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00
A1460.469	Other Oper & Maint Exp	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL	\$ 12.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00	\$ 200.00

**TOTAL STAFF** \$ 182,248.75 \$ 160,794.00 \$ 165,290.00 \$ 165,290.00 \$ 165,290.00

**SHARED SERVICES**

BUILDINGS

A1620.100	Personnel Services	\$ 11,157.12	\$ 14,883.00	\$ 14,860.00	\$ 14,860.00	\$ 14,860.00	\$ 14,860.00
A1620.200	Equipment	\$ -	\$ 20,000.00	\$ -	\$ -	\$ -	\$ -
A1620.400	Contractual Expenses	\$ 118,780.00	\$ 73,225.00	\$ 62,775.00	\$ 65,575.00	\$ 65,575.00	\$ 65,575.00
	TOTAL	\$ 129,937.12	\$ 108,108.00	\$ 77,635.00	\$ 80,435.00	\$ 80,435.00	\$ 80,435.00

CENTRAL GARAGE

A1640.100	Personnel Services	\$ 45,617.49	\$ 34,147.00	\$ 34,273.00	\$ 34,273.00	\$ 34,273.00	\$ 34,273.00
A1640.200	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
A1640.400	Contractual Expenses	\$ 70,948.58	\$ 63,300.00	\$ 65,500.00	\$ 65,500.00	\$ 65,500.00	\$ 65,500.00
	TOTAL	\$ 116,566.07	\$ 97,447.00	\$ 99,773.00	\$ 99,773.00	\$ 99,773.00	\$ 99,773.00



Appropriations  
 General Government Support,

EXPENDED PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
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CENTRAL PRINTING AND MAILING

A1670.100	Personnel Services	\$ -	\$ -	\$ -	\$ -	\$ -
A1670.200	Equipment	-	-	-	-	-
A1670.400	Contractual Expenses	6,467.80	6,005.00	6,355.00	6,355.00	6,355.00
	TOTAL	\$ 6,467.80	\$ 6,005.00	\$ 6,355.00	\$ 6,355.00	\$ 6,355.00

CENTRAL DATA PROCESSING

A1680.100	Personnel Services	\$ -	\$ -	\$ -	\$ -	\$ -
A1680.200	Equipment	-	-	-	-	-
A1680.400	Contractual Expenses	49,891.59	45,860.00	45,588.00	45,588.00	45,588.00
	TOTAL	\$ 49,891.59	\$ 45,860.00	\$ 45,588.00	\$ 45,588.00	\$ 45,588.00

TOTAL SHARED SERVICES

\$ 302,862.58	\$ 257,420.00	\$ 229,351.00	\$ 232,151.00	\$ 232,151.00
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SPECIAL ITEMS

A1910.400	Unallocated Insurance	\$ 30,746.49	\$ 33,000.00	\$ 33,000.00	\$ 33,000.00	\$ 33,000.00
A1920.400	Municipal Assoc. Dues	-	3,277.00	3,277.00	3,277.00	3,277.00
A1930.400	Judgments & Claims	-	-	-	-	-
A1940.400	Purchase - Land	-	-	-	-	-
A1950.400	Taxes & Assessments on Village Property	-	-	-	-	-
A1964.400	Contr. Exp. Dept. - Refund of Prior Yr	-	-	-	-	-
A1989.4	Other Gov't -Public Accesss	5,228.19	5,200.00	5,200.00	5,200.00	5,200.00
A1990.400	Contingent Account	-	20,000.00	20,000.00	20,000.00	20,000.00
	TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -

TOTAL SPECIAL ITEMS

\$ 35,974.68	\$ 61,477.00	\$ 61,477.00	\$ 61,477.00	\$ 61,477.00
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TOTAL GENERAL GOVERNMENT SUPPORT

\$ 867,855.48	\$ 814,493.00	\$ 794,169.00	\$ 806,969.00	\$ 806,969.00
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**PUBLIC SAFETY**

**POLICE**

A3120.100	Personnel Services	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**TRAFFIC CONTROL**

A3310.100	Personnel Services	\$ 9,362.79	\$ 7,983.00	\$ 7,987.00	\$ 7,987.00	\$ 7,987.00
A3310.200	Equipment	-	-	-	-	-
A3310.400	Contractual Exp.	3,694.54	\$ 9,500.00	\$ 9,500.00	\$ 9,500.00	\$ 9,500.00
<b>TOTAL</b>		<b>\$ 13,057.33</b>	<b>\$ 17,483.00</b>	<b>\$ 17,487.00</b>	<b>\$ 17,487.00</b>	<b>\$ 17,487.00</b>

**ON STREET PARKING**

A3320.100	Personnel Services	\$ 58,018.83	\$ 50,400.00	\$ 68,163.00	\$ 68,163.00	\$ 68,163.00
A3320.200	Equipment	-	-	\$ 47,000.00	\$ 34,200.00	\$ 34,200.00
A3320.400	Contractual Exp.	5,682.89	\$ 5,100.00	\$ 9,800.00	\$ 9,800.00	\$ 9,800.00
<b>TOTAL</b>		<b>\$ 63,701.72</b>	<b>\$ 55,500.00</b>	<b>\$ 124,963.00</b>	<b>\$ 112,163.00</b>	<b>\$ 112,163.00</b>

**FIRE DEPARTMENT**

A3410.100	Personnel Services	\$ 4,524.47	\$ 8,141.00	\$ 8,310.00	\$ 8,310.00	\$ 8,310.00
A3410.200	Equipment	\$ 2,662.90	\$ 28,750.00	\$ 28,553.00	\$ 28,553.00	\$ 28,553.00
A3410.400	Contractual Expenses	310,800.29	\$ 339,065.00	\$ 342,291.00	\$ 342,291.00	\$ 342,291.00
<b>TOTAL</b>		<b>\$ 317,987.66</b>	<b>\$ 375,956.00</b>	<b>\$ 379,154.00</b>	<b>\$ 379,154.00</b>	<b>\$ 379,154.00</b>

**SAFETY INSPECTION**

A3620.100	Personnel Services	\$ 132,712.73	\$ 149,026.00	\$ 152,433.00	\$ 152,433.00	\$ 152,433.00
A3620.200	Equipment	-	-	-	-	-
A3620.400	Contractual Exp.	7,476.72	\$ 7,885.00	\$ 9,435.00	\$ 9,435.00	\$ 9,435.00
<b>TOTAL</b>		<b>\$ 140,189.45</b>	<b>\$ 156,911.00</b>	<b>\$ 161,868.00</b>	<b>\$ 161,868.00</b>	<b>\$ 161,868.00</b>

**SAFETY & HEALTH**

A3989.100	Personnel Services	-	4,620.00	-	\$ 4,900.00	\$ 4,900.00
A3989.200	Equipment	\$ -	-	-	-	-
A3989.400	Contractual Exp.	6,060.13	\$ 25,568.00	\$ 16,596.00	\$ 16,596.00	\$ 16,596.00
<b>TOTAL</b>		<b>\$ 6,060.13</b>	<b>\$ 30,188.00</b>	<b>\$ 16,596.00</b>	<b>\$ 21,496.00</b>	<b>\$ 21,496.00</b>

**TOTAL PUBLIC SAFETY**

<b>\$ 540,996.29</b>	<b>\$ 636,038.00</b>	<b>\$ 700,068.00</b>	<b>\$ 692,168.00</b>	<b>\$ 692,168.00</b>
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**HEALTH**

**REGISTRAR OF VITAL STATISTICS**

A4020.400	Contractual Expenses	\$ -	\$ 120.00	\$ 120.00	\$ 120.00	\$ 120.00
<b>TOTAL</b>		<b>\$ -</b>	<b>\$ 120.00</b>	<b>\$ 120.00</b>	<b>\$ 120.00</b>	<b>\$ 120.00</b>

**TOTAL HEALTH**

<b>\$ -</b>	<b>\$ 120.00</b>	<b>\$ 120.00</b>	<b>\$ 120.00</b>	<b>\$ 120.00</b>
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**TRANSPORTATION**

**STREET ADMINISTRATION**

A5010.100	Personnel Services	\$ 35,980.94	\$ 34,608.00	\$ 34,599.00	\$ 34,599.00	\$ 34,599.00
A5010.200	Equipment	-	-	-	-	-
A5010.400	Contractual Exp.	683.20	\$ 895.00	\$ 915.00	\$ 915.00	\$ 915.00
<b>TOTAL</b>		<b>\$ 36,664.14</b>	<b>\$ 35,503.00</b>	<b>\$ 35,514.00</b>	<b>\$ 35,514.00</b>	<b>\$ 35,514.00</b>

**TRANSPORTATION (Cont'd)**

**STREET MAINTENANCE**

A5110.100	Personnel Services	\$ 50,457.68	\$ 41,147.00	\$ 41,098.00	\$ 41,098.00	\$ 41,098.00
A5110.200	Equipment	4,631.09	-	4,632.00	4,632.00	4,632.00
A5110.400	Contractual Exp.	16,194.92	25,000.00	25,000.00	25,000.00	25,000.00
	<b>TOTAL</b>	<b>\$ 71,283.69</b>	<b>\$ 66,147.00</b>	<b>\$ 70,730.00</b>	<b>\$ 70,730.00</b>	<b>\$ 70,730.00</b>

**SNOW REMOVAL**

A5142.100	Personnel Services	\$ 38,646.61	\$ 56,563.00	\$ 56,716.00	\$ 56,716.00	\$ 56,716.00
A5142.200	Equipment	-	-	13,327.00	13,327.00	13,327.00
A5142.400	Contractual Exp.	23,183.15	31,135.00	31,750.00	31,750.00	31,750.00
	<b>TOTAL</b>	<b>\$ 61,829.76</b>	<b>\$ 87,698.00</b>	<b>\$ 101,793.00</b>	<b>\$ 101,793.00</b>	<b>\$ 101,793.00</b>

**STREET LIGHTING**

A5182.400	Contractual Exp.	\$ 61,048.58	\$ 63,240.00	\$ 64,504.00	\$ 64,504.00	\$ 64,504.00
	<b>TOTAL</b>	<b>\$ 61,048.58</b>	<b>\$ 63,240.00</b>	<b>\$ 64,504.00</b>	<b>\$ 64,504.00</b>	<b>\$ 64,504.00</b>

**SIDEWALKS**

A5410.100	Personnel Services	\$ 2,284.06	\$ 8,790.00	\$ 8,654.00	\$ 8,654.00	\$ 8,654.00
A5410.200	Equipment	-	-	-	-	-
A5410.400	Contractual Exp.	27,875.72	1,600.00	1,200.00	1,200.00	1,200.00
A5410.410	Sidewalk Project	-	-	-	-	-
	<b>TOTAL</b>	<b>\$ 30,159.78</b>	<b>\$ 10,390.00</b>	<b>\$ 9,854.00</b>	<b>\$ 9,854.00</b>	<b>\$ 9,854.00</b>

**BUS OPERATIONS**

(Park/Ride, shelters)

A5630.400	Contractual Exp.	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**OFF STREET PARKING**

A5650.100	Personnel Services	\$ 628.22	\$ 1,703.00	\$ 1,850.00	\$ 1,850.00	\$ 1,850.00
A5650.200	Equipment	-	-	-	-	-
A5650.400	Contractual Exp.	1,073.99	3,050.00	4,750.00	4,750.00	4,750.00
	<b>TOTAL</b>	<b>\$ 1,702.21</b>	<b>\$ 4,753.00</b>	<b>\$ 6,600.00</b>	<b>\$ 6,600.00</b>	<b>\$ 6,600.00</b>

**41 MAIN STREET LEASE- PARKING LOT**

A5680.4	Contractual	\$ 4,791.60	\$ 4,792.00	\$ 4,792.00	\$ 4,792.00	\$ 4,792.00
	<b>TOTAL</b>	<b>\$ 4,791.60</b>	<b>\$ 4,792.00</b>	<b>\$ 4,792.00</b>	<b>\$ 4,792.00</b>	<b>\$ 4,792.00</b>

**OTHER TRANSPORTATION**

(CHIPS)

A5989.100	Personnel Services	\$ 82,878.00	\$ 46,140.00	\$ 119,307.00	\$ 119,307.00	\$ 119,307.00
A5989.400	Contractual Exp.	-	-	-	-	-
	<b>TOTAL</b>	<b>\$ 82,878.00</b>	<b>\$ 46,140.00</b>	<b>\$ 119,307.00</b>	<b>\$ 119,307.00</b>	<b>\$ 119,307.00</b>

**TOTAL TRANSPORTATION**

	<b>\$ 350,357.76</b>	<b>\$ 318,663.00</b>	<b>\$ 413,094.00</b>	<b>\$ 413,094.00</b>	<b>\$ 413,094.00</b>
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**ECONOMIC OPPORTUNITY & DEVELOPMENT**

**VETERANS SERVICES**

A6510.4	Contractual Exp.	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**COMMUNITY DEVELOPMENT**

A6989.1	Personnel Services	\$ -	\$ -	\$ -	\$ -	\$ -
A6989.2	Equipment	-	-	-	-	-
A6989.400	Contractual Exp.	-	-	-	-	-
A6989.450	Grant Writer	\$ 4,875.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
	<b>TOTAL</b>	<b>\$ 4,875.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>

**TOTAL ECONOMIC OPPORTUNITY AND DEVELOPMENT**

	<b>\$ 4,875.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>
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**CULTURE AND RECREATION**

**PARKS**

A7110.100	Personnel Services	\$ 9,806.01	\$ 7,196.00	\$ 7,247.00	\$ 7,247.00	\$ 7,247.00
A7110.200	Equipment	-	-	-	-	-
A7110.400	Contractual Exp.	\$ 6,510.54	\$ 13,550.00	\$ 13,550.00	\$ 13,550.00	\$ 13,550.00
	<b>TOTAL</b>	<b>\$ 16,316.55</b>	<b>\$ 20,746.00</b>	<b>\$ 20,797.00</b>	<b>\$ 20,797.00</b>	<b>\$ 20,797.00</b>

**Rail Trail**

A7111.100	Personnel Services	5,154.67	9,108.00	9,188.00	9,188.00	9,188.00
A7111.400	Contractual Exp.	126.93	500.00	500.00	500.00	500.00
A7111.401	Rail Trail Bridge	-	-	-	-	-
	<b>TOTAL</b>	<b>\$ 5,281.60</b>	<b>\$ 9,608.00</b>	<b>\$ 9,688.00</b>	<b>\$ 9,688.00</b>	<b>\$ 9,688.00</b>

**HISTORIAN**

A7510.400	Contractual Exp.	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**HISTORICAL PROPERTY**

A7520.100	Personnel Services	\$ 3,170.37	\$ 5,250.00	\$ 5,750.00	\$ 5,750.00	\$ 5,750.00
A7520.400	Contractual Exp.	753.41	2,050.00	2,100.00	2,100.00	2,100.00
	<b>TOTAL</b>	<b>\$ 3,923.78</b>	<b>\$ 7,300.00</b>	<b>\$ 7,850.00</b>	<b>\$ 7,850.00</b>	<b>\$ 7,850.00</b>

**CELEBRATIONS**

A7550.100	Personnel Services	\$ 2,829.34	\$ 7,235.00	\$ 7,271.00	\$ 7,271.00	\$ 7,271.00
A7550.200	Equipment	-	-	-	-	-
A7550.400	Contractual Exp.	83.77	690.00	690.00	690.00	690.00
	<b>TOTAL</b>	<b>\$ 2,913.11</b>	<b>\$ 7,925.00</b>	<b>\$ 7,961.00</b>	<b>\$ 7,961.00</b>	<b>\$ 7,961.00</b>

**TOTAL CULTURE & RECREATION**

	<b>\$ 28,435.04</b>	<b>\$ 45,579.00</b>	<b>\$ 46,296.00</b>	<b>\$ 46,296.00</b>	<b>\$ 46,296.00</b>
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**HOME AND COMMUNITY SERVICES**

**ZONING**

A8010.100	Personnel Services	\$ 6,330.10	\$ 5,616.00	\$ 5,928.00	\$ 5,928.00	\$ 5,928.00
A8010.200	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -
A8010.400	Contractual Exp.	513.92	5,000.00	5,000.00	5,000.00	5,000.00
	<b>TOTAL</b>	<b>\$ 6,844.02</b>	<b>\$ 10,616.00</b>	<b>\$ 10,928.00</b>	<b>\$ 10,928.00</b>	<b>\$ 10,928.00</b>

**PLANNING**

A8020.100	Personnel Services	\$ 14,305.56	\$ 11,700.00	\$ 13,832.00	\$ 13,832.00	\$ 13,832.00
A8020.200	Equipment	-	-	-	-	-
A8020.400	Contractual Exp.	2,826.53	5,725.00	5,725.00	5,725.00	5,725.00
	<b>TOTAL</b>	<b>\$ 17,132.09</b>	<b>\$ 17,425.00</b>	<b>\$ 19,557.00</b>	<b>\$ 19,557.00</b>	<b>\$ 19,557.00</b>

**STATE GRANT EXPENSES**

A8021.100	Personnel Services	\$ -	-	-	-	-
A8021.400	Contractual Exp. HPC	2,616.81	-	-	-	-
	<b>TOTAL</b>	<b>\$ 2,616.81</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**ENVIRONMENTAL RESEARCH**

A8030.400	Contractual Exp.	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**ENVIRONMENTAL CONTROL**

A8090.4	Contractual Exp.	\$ -	\$ -	\$ -	\$ -	\$ -
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**PLANNER**

A8097.1	Personnel Services	\$ 61,331.53	\$ 57,855.00	\$ -	\$ -	\$ -
A8097.4	Contractual Exp.	\$ 3,377.83	\$ 3,534.00	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ 64,709.36</b>	<b>\$ 61,389.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**STORM SEWERS**

A8140.100	Personnel Services	\$ 15,551.46	\$ 21,080.00	\$ 20,924.00	\$ 20,924.00	\$ 20,924.00
A8140.200	Equipment	298,800.00	-	-	-	-
A8140.400	Contractual Exp.	2,284.25	9,800.00	9,800.00	9,800.00	9,800.00
	<b>TOTAL</b>	<b>\$ 316,635.71</b>	<b>\$ 30,880.00</b>	<b>\$ 30,724.00</b>	<b>\$ 30,724.00</b>	<b>\$ 30,724.00</b>

		EXPENDED PREVIOUS YEAR	FINAL BUDGET ADOPTED	INITIATIVE BUDGET	BUDGET OFFICER REC	BUDGET OFFICER REC
<b>REFUSE COLLECTIONS AND DISPOSAL</b>						
A8160.100	Personnel Services	\$ 39,613.32	\$ 48,261.00	\$ 48,345.00	\$ 48,345.00	\$ 48,345.00
A8160.200	Equipment	-	-	\$ -	\$ -	\$ -
A8160.400	Contractual Exp.	18,381.49	\$ 23,563.00	\$ 23,381.00	\$ 23,381.00	\$ 23,381.00
	<b>TOTAL</b>	<b>\$ 57,994.81</b>	<b>\$ 71,824.00</b>	<b>\$ 71,726.00</b>	<b>\$ 71,726.00</b>	<b>\$ 71,726.00</b>
<b>STREET CLEANING</b>						
A8170.100	Personnel Services	\$ 11,628.63	\$ 6,347.00	\$ 6,362.00	\$ 6,362.00	\$ 6,362.00
A8170.200	Equipment	-	-	\$ -	\$ -	\$ -
A8170.400	Contractual Exp.	2,895.19	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00
	<b>TOTAL</b>	<b>\$ 14,523.82</b>	<b>\$ 9,347.00</b>	<b>\$ 9,362.00</b>	<b>\$ 9,362.00</b>	<b>\$ 9,362.00</b>
<b>COMMUNITY BEAUTIFICATION</b>						
A8510.100	Personnel Services	\$ 4,042.66	\$ 4,183.00	\$ 7,409.00	\$ 7,409.00	\$ 7,409.00
A8510.200	Equipment	-	-	\$ -	\$ -	\$ -
A8510.400	Contractual Exp.	227.98	\$ 4,700.00	\$ 4,700.00	\$ 4,700.00	\$ 4,700.00
	<b>TOTAL</b>	<b>\$ 4,270.64</b>	<b>\$ 8,883.00</b>	<b>\$ 12,109.00</b>	<b>\$ 12,109.00</b>	<b>\$ 12,109.00</b>
<b>SHADE TREES</b>						
A8560.100	Personnel Services	\$ 5,170.51	\$ 4,899.00	\$ 4,955.00	\$ 4,955.00	\$ 4,955.00
A8560.200	Equipment	\$ 4,602.73	-	\$ -	\$ -	\$ -
A8560.400	Contractual Exp.	\$ 113.47	\$ 11,600.00	\$ 11,600.00	\$ 11,600.00	\$ 11,600.00
A8560.401	COMMISSION	-	\$ 2,250.00	\$ 1,850.00	\$ 1,850.00	\$ 1,850.00
	<b>TOTAL</b>	<b>\$ 9,886.71</b>	<b>\$ 18,749.00</b>	<b>\$ 18,405.00</b>	<b>\$ 18,405.00</b>	<b>\$ 18,405.00</b>
<b>CONSERVATION (EPB)</b>						
A8710.100	Personnel Services	\$ 246.48	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
A8710.200	Equipment	-	-	\$ -	\$ -	\$ -
A8710.400	Contractual Exp.	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
	<b>TOTAL</b>	<b>\$ 746.48</b>	<b>\$ 1,000.00</b>	<b>\$ 1,000.00</b>	<b>\$ 1,000.00</b>	<b>\$ 1,000.00</b>
<b>FLOOD AND EROSION CONTROL</b>						
A8745.100	Personnel Services	\$ -	-	\$ -	\$ -	\$ -
A8745.200	Equipment	\$ -	-	\$ -	\$ -	\$ -
A8745.200	Contractual Exp.	\$ -	-	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>OTHER HOME AND COMMUNITY SERVICES HOUSING BOARD</b>						
A8989.400	Personnel Services	\$ 185.80	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
A8989.400	Contractual	\$ -	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
	<b>TOTAL</b>	<b>\$ 185.80</b>	<b>\$ 1,000.00</b>	<b>\$ 1,000.00</b>	<b>\$ 1,000.00</b>	<b>\$ 1,000.00</b>
<b>TOTAL HOME AND COMMUNITY SERVICES</b>		<b>\$ 495,546.25</b>	<b>\$ 231,113.00</b>	<b>\$ 174,811.00</b>	<b>\$ 174,811.00</b>	<b>\$ 174,811.00</b>

**EMPLOYEE BENEFITS**

A9010.800	State Retirement	\$ 94,310.70	\$ 109,120.00	\$ 89,900.00	\$ 89,900.00	\$ 89,900.00
A9015.800	Fire and Police Retirement	\$ -	\$ -	\$ -	\$ -	\$ -
A9025.800	Local Pension Fund Fire SA	\$ 10,304.51	\$ 18,000.00	\$ 18,000.00	\$ 18,000.00	\$ 18,000.00
A9030.800	Social Security	\$ 70,255.27	\$ 77,800.00	\$ 79,500.00	\$ 79,500.00	\$ 79,500.00
A9040.800	Workers Compensation	\$ 24,188.01	\$ 33,000.00	\$ 31,000.00	\$ 31,000.00	\$ 31,000.00
A9045.800	Life Insurance	\$ -	\$ -	\$ -	\$ -	\$ -
A9050.800	Unemployment Insurance	\$ -	\$ 7,251.00	\$ 7,251.00	\$ 7,251.00	\$ 7,251.00
A9055.800	Disability Insurance	\$ 2,166.58	\$ 3,850.00	\$ 3,850.00	\$ 3,850.00	\$ 3,850.00
A9060.800	Hospital and Medical Ins.	\$ 324,382.04	\$ 396,217.00	\$ 370,281.00	\$ 370,281.00	\$ 370,281.00
A9189.800	Other Employee Benefits	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ 525,607.11</b>	<b>\$ 645,238.00</b>	<b>\$ 599,782.00</b>	<b>\$ 599,782.00</b>	<b>\$ 599,782.00</b>

**TOTAL EMPLOYEE BENEFITS      \$ 525,607.11      \$ 645,238.00      \$ 599,782.00      \$ 599,782.00      \$ 599,782.00**

**INTERFUND TRANSFERS**

A9501.900	Transfer to Other Funds	\$ -	\$ -	\$ -	\$ -	\$ -
	Debt Service Fund	\$ -	\$ -	\$ -	\$ -	\$ -
	Specify	\$ -	\$ -	\$ -	\$ -	\$ -
A9901.900	Transfers to Other Funds	\$ -	\$ -	\$ -	\$ -	\$ -
A9950.900	Transfer to Capital (Moriello)	\$ 50,000.00	\$ -	\$ -	\$ -	\$ -

**TOTAL INTERFUND TRANSFERS      \$ 50,000.00      \$ -      \$ -      \$ -      \$ -**

**DEBT SERVICE**

A9710.600	Serial Bonds (Principal)	\$ -	\$ -	\$ -	\$ -	\$ -
A9710.700	Serial Bonds (Interest)	\$ -	\$ -	\$ -	\$ -	\$ -
A9720.600	Stat. Instal. Bonds (Principal)	\$ -	\$ -	\$ -	\$ -	\$ -
A9720.700	Stat. Instal. Bonds (Interest)	\$ -	\$ -	\$ -	\$ -	\$ -
A9730.600	Bond Anticipation Notes (Principal)	\$ 313,000.00	\$ 393,000.00	\$ 350,000.00	\$ 350,000.00	\$ 350,000.00
A9730.700	Bond Anticipation Notes (Interest)	\$ 30,033.59	\$ 26,746.00	\$ 28,371.00	\$ 28,371.00	\$ 28,371.00
A9740.600	Capital Notes (Principal)	\$ -	\$ -	\$ -	\$ -	\$ -
A9740.700	Capital Notes (Interest)	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ 343,033.59</b>	<b>\$ 419,746.00</b>	<b>\$ 378,371.00</b>	<b>\$ 378,371.00</b>	<b>\$ 378,371.00</b>

**TOTAL DEBT SERVICE      \$ 343,033.59      \$ 419,746.00      \$ 378,371.00      \$ 378,371.00      \$ 378,371.00**

A962	Budgetary Provisions for Other Uses	\$ 50,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00	\$ 60,000.00
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**GRAND TOTAL GENERAL FUND APPROPRIATIONS      \$ 3,256,706.52      \$ 3,175,980.00      \$ 3,171,711.00      \$ 3,176,611.00      \$ 3,176,611.00**

SCHEDULE 1 - F

APPROPRIATIONS - WATER FUND

STAFF		EXPENDED PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	INITIATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>LAW</b>						
F1420.4	Contractual Expenses	\$ 17,652.73	\$ 22,500.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
	TOTAL	\$ 17,652.73	\$ 22,500.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
<b>ENGINEER</b>						
F1440.400	Contractual Expenses	\$ 32,575.99	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
	TOTAL	\$ 32,575.99	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
<b>GRANT WRITER</b>						
F6989.4	Contractual Exp.	\$ 1,800.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
	TOTAL	\$ 1,800.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
<b>TOTAL STAFF</b>		<b>\$ 52,028.72</b>	<b>\$ 37,500.00</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>	<b>\$ 25,000.00</b>
<b>SPECIAL ITEMS</b>						
F1910.400	Unallocated Insurance	\$ 12,905.68	\$ 14,000.00	\$ 14,000.00	\$ 14,000.00	\$ 14,000.00
F1920.400	Municipal Accos. Dues					
F1930.400	Judgements & Claims					
F1950.400	Taxes on Properties					
F1990.400	Contingent Account	-	20,000.00	20,000.00	20,000.00	20,000.00
	TOTAL	\$ 12,905.68	\$ 34,000.00	\$ 34,000.00	\$ 34,000.00	\$ 34,000.00
<b>TOTAL SPECIAL ITEMS</b>		<b>\$ 12,905.68</b>	<b>\$ 34,000.00</b>	<b>\$ 34,000.00</b>	<b>\$ 34,000.00</b>	<b>\$ 34,000.00</b>
<b>HOME AND COMMUNITY SERVICES</b>						
<b>WATER ADMINISTRATION</b>						
F8310.100	Personnel Services	\$ 34,922.59	\$ 34,609.00	\$ 34,599.00	\$ 34,599.00	\$ 34,599.00
F8310.200	Equipment	-				
F8310.400	Contractual Exp.	2,314.78	2,625.00	2,595.00	2,595.00	2,595.00
	TOTAL	\$ 37,237.37	\$ 37,234.00	\$ 37,194.00	\$ 37,194.00	\$ 37,194.00
<b>SOURCE OF SUPPLY, POWER &amp; PUMPING</b>						
F8320.100	Personnel Services	\$ 11,713.58	\$ 13,137.00	\$ 14,504.00	\$ 14,504.00	\$ 14,504.00
F8320.200	Equipment	109,750.00	-	-	-	-
F8320.400	Contractual Exp.	416,281.22	434,460.00	354,460.00	354,460.00	354,460.00
	TOTAL	\$ 537,744.80	\$ 447,597.00	\$ 368,964.00	\$ 368,964.00	\$ 368,964.00
<b>PURIFICATION</b>						
F8330.100	Personnel Services	\$ 10,856.23	\$ 15,783.00	\$ 15,671.00	\$ 15,671.00	\$ 15,671.00
F8330.200	Equipment	-				
F8330.400	Contractual Exp.	222,173.67	248,720.00	255,896.00	255,896.00	255,896.00
	TOTAL	\$ 233,029.90	\$ 264,503.00	\$ 271,567.00	\$ 271,567.00	\$ 271,567.00
<b>TRANSMISSION &amp; DISTRIBUTION</b>						
F8340.100	Personnel Services	\$ 77,955.80	\$ 72,231.00	\$ 90,853.00	\$ 90,853.00	\$ 90,853.00
F8340.200	Equipment	4,631.09	20,000.00	17,958.00	17,958.00	17,958.00
F8340.400	Contractual Exp.	30,206.19	60,250.00	50,750.00	50,750.00	50,750.00
F8340.440	Conservation Prog.	-				
F8340.475	Water-saving devices					
	TOTAL	\$ 112,793.08	\$ 152,481.00	\$ 159,561.00	\$ 159,561.00	\$ 159,561.00
<b>TOTAL HOME AND COMMUNITY SERVICES</b>		<b>\$ 920,805.15</b>	<b>\$ 901,815.00</b>	<b>\$ 837,286.00</b>	<b>\$ 837,286.00</b>	<b>\$ 837,286.00</b>

SCHEDULE 1 - F, Water Fund Appropriations (CONT'D)

		EXPENDED PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>EMPLOYEE BENEFITS</b>						
F9010.800	State Retirement	\$ 24,292.15	\$ 33,440.00	\$ 27,550.00	\$ 27,550.00	\$ 27,550.00
F9030.800	Social Security	9,130.98	19,917.00	20,619.00	20,619.00	20,619.00
F9040.800	Workers Compensation	12,094.00	16,500.00	15,500.00	15,500.00	15,500.00
F9050.800	Unemployment Insurance	-	1,868.00	1,868.00	1,868.00	1,868.00
F9055.800	Disability Insurance	533.60	825.00	825.00	825.00	825.00
F9060.800	Hospital & Medical Ins.	83,093.01	97,086.00	91,113.00	91,113.00	91,113.00
TOTAL EMPLOYEE BENEFITS		\$ 129,143.74	\$ 169,636.00	\$ 157,475.00	\$ 157,475.00	\$ 157,475.00
<b>TOTAL EMPLOYEE BENEFITS</b>		<b>\$ 129,143.74</b>	<b>\$ 169,636.00</b>	<b>\$ 157,475.00</b>	<b>\$ 157,475.00</b>	<b>\$ 157,475.00</b>
<b>INTERFUND TRANSFERS</b>						
F9501.900	Debt Service Fund	\$ -	\$ -	\$ -	\$ -	\$ -
	Specify:	-	-	-	-	-
F9901.900	Transfers to Other Funds					
	Specify: General	47,000.00	52,000.00	52,000.00	52,000.00	52,000.00
F9950.900	Transfer to Capital	-	-	-	-	-
TOTAL INTERFUND TRANSFERS		\$ 47,000.00	\$ 52,000.00	\$ 52,000.00	\$ 52,000.00	\$ 52,000.00
<b>TOTAL INTERFUND TRANSFERS</b>		<b>\$ 47,000.00</b>	<b>\$ 52,000.00</b>	<b>\$ 52,000.00</b>	<b>\$ 52,000.00</b>	<b>\$ 52,000.00</b>
<b>DEBT SERVICE</b>						
F9710.600	Serial Bonds (Principal)	\$ 110,000.00	\$ 120,000.00	\$ 240,000.00	\$ 265,000.00	\$ 265,000.00
F9710.700	Serial Bonds (Interest)	54,243.77	49,500.00	236,447.00	181,434.00	181,434.00
F9720.600	Stat. Instal. Bonds (Principal)	-	-	-	-	-
F9720.700	Stat. Instal. Bonds (Interest)	-	-	-	-	-
F9730.600	Bond Anticipation Notes (Principal)	150,000.00	150,000.00	150,000.00	150,000.00	150,000.00
F9730.700	Bond Anticipation Notes (Interest)	23,740.00	129,208.00	26,610.00	26,610.00	26,610.00
TOTAL		\$ 337,983.77	\$ 448,708.00	\$ 653,057.00	\$ 623,044.00	\$ 623,044.00
<b>TOTAL DEBT SERVICE</b>		<b>\$ 337,983.77</b>	<b>\$ 448,708.00</b>	<b>\$ 653,057.00</b>	<b>\$ 623,044.00</b>	<b>\$ 623,044.00</b>
F962	Budgetary Provisions For Other Uses	5,375.00	5,375.00	-	-	-
TOTAL		\$ 5,375.00	5,375.00	\$ -	\$ -	\$ -
<b>GRAND TOTAL WATER FUND APPROPRIATIONS</b>		<b>\$ 1,505,242.06</b>	<b>\$ 1,649,034.00</b>	<b>\$ 1,758,818.00</b>	<b>\$ 1,728,805.00</b>	<b>\$ 1,728,805.00</b>



**SCHEDULE 1 - G**  
**APPROPRIATIONS - SEWER FUND**

			EXPENDED PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>STAFF</b>							
LAW			\$ -	\$ -	\$ -	\$ -	\$ -
G1420.4	Contractual Expenses		\$ 17,581.09	\$ 17,500.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
	TOTAL		\$ 17,581.09	\$ 17,500.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
<b>ENGINEER</b>							
G1440.4	Contractual Expenses		\$ 142,008.97	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
	TOTAL		\$ 142,008.97	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
<b>Grant Writer</b>							
G6989.4	Contractual Expenses		\$ 14,470.07	\$ 8,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
	TOTAL		\$ 14,470.07	\$ 8,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
<b>TOTAL STAFF</b>			<b>\$ 174,060.13</b>	<b>\$ 45,500.00</b>	<b>\$ 55,000.00</b>	<b>\$ 55,000.00</b>	<b>\$ 55,000.00</b>
<b>SPECIAL ITEMS</b>							
G1910.400	Unallocated Insurance		\$ 25,999.77	\$ 29,000.00	\$ 29,000.00	\$ 29,000.00	\$ 29,000.00
G1930.400	Judgements & Claims		-	-	-	-	-
G1990.400	Contingent Account		-	20,000.00	20,000.00	20,000.00	20,000.00
	TOTAL		\$ 25,999.77	\$ 49,000.00	\$ 49,000.00	\$ 49,000.00	\$ 49,000.00
<b>TOTAL SPECIAL ITEMS</b>			<b>\$ 25,999.77</b>	<b>\$ 49,000.00</b>	<b>\$ 49,000.00</b>	<b>\$ 49,000.00</b>	<b>\$ 49,000.00</b>
<b>HOME AND COMMUNITY SERVICES</b>							
<b>SEWER ADMINISTRATION</b>							
G8110.100	Personnel Services		\$ 34,922.60	\$ 34,609.00	\$ 34,599.00	\$ 34,599.00	\$ 34,599.00
G8110.200	Equipment		-	-	-	-	-
G8110.400	Contractual Exp.		1,363.57	1,550.00	1,550.00	1,550.00	1,550.00
	TOTAL		\$ 36,286.17	\$ 36,159.00	\$ 36,149.00	\$ 36,149.00	\$ 36,149.00
<b>SANITARY SEWERS</b>							
G8120.100	Personnel Services		\$ 47,630.61	\$ 65,877.00	\$ 66,607.00	\$ 66,607.00	\$ 66,607.00
G8120.200	Equipment		261,014.09	-	27,958.00	27,958.00	27,958.00
G8120.400	Contractual Exp.		39,726.28	64,014.00	40,650.00	40,650.00	40,650.00
	TOTAL		\$ 348,370.98	\$ 129,891.00	\$ 135,215.00	\$ 135,215.00	\$ 135,215.00
<b>SEWER TREATMENT AND DISPOSAL</b>							
G8130.100	Personnel Services		\$ 20,120.47	\$ 28,962.00	\$ 28,964.00	\$ 28,964.00	\$ 28,964.00
G8130.200	Equipment		-	20,000.00	10,000.00	10,000.00	10,000.00
G8130.400	Contractual Exp.		417,998.96	397,237.00	412,651.00	412,651.00	412,651.00
G8130.440	Conservation Prog.		-	-	-	-	-
	TOTAL		\$ 438,119.43	\$ 446,199.00	\$ 451,615.00	\$ 451,615.00	\$ 451,615.00
<b>TOTAL HOME AND COMMUNITY SERVICES</b>			<b>\$ 822,776.58</b>	<b>\$ 612,249.00</b>	<b>\$ 622,979.00</b>	<b>\$ 622,979.00</b>	<b>\$ 622,979.00</b>

**SCHEDULE 1 - G (Continued)**

**APPROPRIATIONS - SEWER FUND**

		EXPENDED PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>EMPLOYEE BENEFITS</b>						
G9010.800	State Retirement	\$ 24,292.15	\$ 33,440.00	\$ 27,550.00	\$ 27,550.00	\$ 27,550.00
G9030.800	Social Security	7,782.32	\$ 19,917.00	\$ 20,619.00	\$ 20,619.00	\$ 20,619.00
G9040.800	Workers Compensation	12,094.00	\$ 16,500.00	\$ 15,500.00	\$ 15,500.00	\$ 15,500.00
G9050.800	Unemployment Ins.	-	\$ 1,868.00	\$ 1,868.00	\$ 1,868.00	\$ 1,868.00
G9055.800	Disability Insurance	550.89	\$ 825.00	\$ 825.00	\$ 825.00	\$ 825.00
G9060.800	Hospital and Medical Ins	80,518.76	\$ 97,086.00	\$ 91,113.00	\$ 91,113.00	\$ 91,113.00
	<b>TOTAL</b>	<b>\$ 125,238.12</b>	<b>\$ 169,636.00</b>	<b>\$ 157,475.00</b>	<b>\$ 157,475.00</b>	<b>\$ 157,475.00</b>
<b>TOTAL EMPLOYEE BENEFITS</b>		<b>\$ 125,238.12</b>	<b>\$ 169,636.00</b>	<b>\$ 157,475.00</b>	<b>\$ 157,475.00</b>	<b>\$ 157,475.00</b>
<b>INTERFUND TRANSFERS</b>						
G9501.900	Debt Service Fund Specify	\$ -	\$ -	\$ -	\$ -	\$ -
G9901.900	Transfers to Other Funds Specify: General	43,000.00	48,000.00	48,000.00	48,000.00	48,000.00
G9950.900	Transfers to Capital (DASNY) (Digester Cover)	-	107,000.00	-	-	-
	<b>TOTAL</b>	<b>\$ 43,000.00</b>	<b>\$ 270,000.00</b>	<b>\$ 48,000.00</b>	<b>\$ 48,000.00</b>	<b>\$ 48,000.00</b>
<b>TOTAL INTERFUND TRANSFERS</b>		<b>\$ 43,000.00</b>	<b>\$ 270,000.00</b>	<b>\$ 48,000.00</b>	<b>\$ 48,000.00</b>	<b>\$ 48,000.00</b>
<b>DEBT SERVICE</b>						
G9710.600	Serial Bonds (Principal)	\$ -	\$ -	\$ -	\$ -	\$ -
G9710.700	Serial Bonds (Interest)	-	-	-	-	-
G9720.600	Stat. Instal. Bonds (Principal)					
G9720.700	Stat. Instal. Bonds (Interest)					
G9730.600	Bond Anticipation Notes (Principal)	\$ 100,000.00	\$ 200,000.00	\$ 325,000.00	\$ 325,000.00	\$ 325,000.00
G9730.700	Bond Anticipation Notes (Interest)	11,238.88	13,500.00	12,000.00	12,000.00	12,000.00
	<b>TOTAL</b>	<b>\$ 111,238.88</b>	<b>\$ 213,500.00</b>	<b>\$ 337,000.00</b>	<b>\$ 337,000.00</b>	<b>\$ 337,000.00</b>
<b>TOTAL DEBT SERVICE</b>		<b>\$ 111,238.88</b>	<b>\$ 213,500.00</b>	<b>\$ 337,000.00</b>	<b>\$ 337,000.00</b>	<b>\$ 337,000.00</b>
G962	Budgetary Provisions For Other Uses	\$ -	\$ -	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
<b>GRAND TOTAL SEWER FUND APPROPRIATIONS</b>		<b>\$ 1,302,313.48</b>	<b>\$ 1,359,885.00</b>	<b>\$ 1,319,454.00</b>	<b>\$ 1,319,454.00</b>	<b>\$ 1,319,454.00</b>

**SCHEDULE 1 - H  
CAPITAL PROJECT FUND APPROPRIATIONS**

	EXPENDED PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	INITIATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
H1620.2 GENERATOR	\$ 75,000.00	\$ 55,000.00	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -
H1640.2 DUMP TRUCK REPLACEMENT (Two (2) new Dump Trucks)	\$ 46,000.00	\$ 23,000.00	\$ -	\$ -	\$ -
H3410.2 FIRE TRUCK REPLACEMENT	\$ 720,680.00	\$ 239,956.00	\$ 139,956.00	\$ 139,956.00	\$ 139,956.00
2016 FIRE TRUCK REPLACEMENT		\$ 280,724.00	\$ 180,724.00	\$ 180,724.00	\$ 180,724.00
H7111.2 MILLBROOK PRESERVE	\$ 625,000.00	\$ 575,000.00	\$ 475,000.00	\$ 475,000.00	\$ 475,000.00
		-	-	-	-
H7180.4 MORIELLO POOL	\$ 33,970.29	\$ 13,019.00	\$ 13,019.00	\$ 13,019.00	\$ 13,019.00
		\$ -	\$ -	\$ -	\$ -
H8130.2 SEWER- DIGESTER LID	\$ 738,871.05	\$ 600,000.00	\$ 400,000.00	\$ 400,000.00	\$ 400,000.00
H8121.4 SANITARY SEWER FD (DASNY)	\$ -	\$ 112,000.00	\$ -	\$ -	\$ -
H3410.4 GENERATOR FD (DASNY)	\$ -	\$ 70,000.00	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -
H8122.4 SEWER SYSTEM IMPROVEMENT	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -
H8140.4 PEACE PARK	\$ 35,000.00	\$ 15,000.00	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -
H8140.2 STORM SEWER-WCS	\$ -	\$ -	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
	\$ -	\$ -	\$ -	\$ -	\$ -
H8141.4 TOWN & COUNTRY Storm Sewer	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -
H8320.4 WATER TANK REPLACEMENT	\$ 737,000.00	\$ 687,000.00	\$ 637,000.00	\$ 637,000.00	\$ 637,000.00
			\$ -	\$ -	\$ -
H8322.4 DEP- WATER SOURCE	\$ 138,593.01	\$ 50,000.00	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -
H8335.4 WATER FILTRATION PLANT (Serial Bond 3.85M 2019/2020)	\$ 212,834.36	\$ 4,150,000.00	\$ 250,000.00	\$ 250,000.00	\$ 250,000.00
			\$ -	\$ -	\$ -
H8340.4 WATER IMP. PROJECT	\$ -	\$ -	\$ -	\$ -	\$ -
			\$ -	\$ -	\$ -
H9901.9 TRANSFER TO OTHER FUNDS	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 3,362,948.71</b>	<b>\$ 6,870,699.00</b>	<b>\$ 2,245,699.00</b>	<b>\$ 2,245,699.00</b>	<b>\$ 2,245,699.00</b>

**SCHEDULE 2 - H**

**CAPITAL PROJECT FUND REVENUES**

	ACTUAL PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	INITIATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
H0521 ENCUMBRANCES	\$ -	\$ 13,019.00	\$ 13,019.00	\$ 13,019.00	\$ 13,019.00
H2680 INSURANCE RECOVERIES	\$ -	\$ -	\$ -	\$ -	\$ -
H2797 LOCAL SOURCES-	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -
H3389 STATE AID-OTHER ( DASNY)	\$ -	\$ 75,000.00	\$ -	\$ -	\$ -
H3397 STATE AID-PUBLIC SAFETY CAPITAL PROJECTS	\$ -	\$ -	\$ -	\$ -	\$ -
H3897 STATE AID - CULTURE & REC. CAPITAL PROJECTS	\$ -	\$ -	\$ -	\$ -	\$ -
H4097 FEDERAL AID-GENERAL GOV'T CAPITAL PROJECTS	\$ -	\$ -	\$ -	\$ -	\$ -
H4397 FEDERAL AID-PUBLIC SAFETY CAPITAL PROJECTS	\$ -	\$ -	\$ -	\$ -	\$ -
H5031 INTERFUND TRANSFERS ( DASNY)	\$ -	\$ 107,000.00	\$ -	\$ -	\$ -
H5730 BOND ANTICIPATION NOTES	\$ 1,957,956.00	\$ 5,932,680.00	\$ 1,407,680.00	\$ 1,407,680.00	\$ 1,407,680.00
H5731 BANS REDEEMED	\$ 387,000.00	\$ 743,000.00	\$ 825,000.00	\$ 825,000.00	\$ 825,000.00
<b>TOTAL REVENUES</b>	<b>\$ 2,344,956.00</b>	<b>\$ 6,870,699.00</b>	<b>\$ 2,245,699.00</b>	<b>\$ 2,245,699.00</b>	<b>\$ 2,245,699.00</b>

ESTIMATED REVENUES OTHER THAN  
REAL PROPERTY TAXES TO BE LEVIED

GENERAL FUND

		ACTUAL PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>OTHER TAX ITEMS</b>						
A1090	Interest and Penalties on Real Property Taxes	\$ 7,681.93	\$ 15,000.00	\$ 11,000.00	\$ 11,000.00	\$ 11,000.00
	TOTAL	\$ 7,681.93	\$ 15,000.00	\$ 11,000.00	\$ 11,000.00	\$ 11,000.00
A1081	Pilot -Woodland Pond	\$ 85,761.60	\$ 92,050.00	\$ 93,625.00	\$ 93,625.00	\$ 93,625.00
	TOTAL	\$ 85,761.60	\$ 92,050.00	\$ 93,625.00	\$ 93,625.00	\$ 93,625.00
<b>NON-PROPERTY TAX ITEMS</b>						
A1130	Utilities Gross Receipts Tax	\$ 49,357.89	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
A1170	Franchises	35,529.77	40,000.00	38,000.00	38,000.00	38,000.00
	TOTAL	\$ 84,887.66	\$ 90,000.00	\$ 88,000.00	\$ 88,000.00	\$ 88,000.00
<b>DEPARTMENTAL INCOME</b>						
A1230	Treasurer & Clerk Fees	\$ 253.52	\$ 600.00	\$ 600.00	\$ 600.00	\$ 600.00
A1235	Charges for Tax Advertising	30.00	200.00	200.00	200.00	200.00
A1255	Admin Fees (Building Dept.)	1,098.60	2,000.00	2,000.00	2,000.00	2,000.00
	TOTAL	\$ 1,382.12	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00	\$ 2,800.00
<b>PUBLIC SAFETY</b>						
A1520	TVB Admin. Fees	\$ 18,787.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
A1560	Safety Inspection Fees	95,142.00	125,000.00	140,000.00	140,000.00	140,000.00
	TOTAL	\$ 113,929.00	\$ 150,000.00	\$ 165,000.00	\$ 165,000.00	\$ 165,000.00
<b>TRANSPORTATION</b>						
A1710	Public Works Service	\$ -	\$ -	\$ -	\$ -	\$ -
A1740	On-Street Parking Meter Fees	181,000.00	185,000.00	185,000.00	185,000.00	185,000.00
A1789	Other Transportation Income	-	-	-	-	-
	TOTAL	\$ 181,000.00	\$ 185,000.00	\$ 185,000.00	\$ 185,000.00	\$ 185,000.00
<b>HOME AND COMMUNITY SERVICES</b>						
A2089	SBA (Tree Grant)	\$ -	\$ -	\$ -	\$ -	\$ -
A2110	Zoning Fees	1,600.00	6,000.00	3,000.00	3,000.00	3,000.00
A2115	Planning Board Fees	24,116.50	16,000.00	18,000.00	18,000.00	18,000.00
	TOTAL	\$ 25,716.50	\$ 22,000.00	\$ 21,000.00	\$ 21,000.00	\$ 21,000.00
<b>INTERGOVERNMENTAL CHARGES</b>						
A2262	Fire Protection Services for Other Governments	\$ 352,696.95	\$ 320,572.00	\$ 320,778.00	\$ 320,778.00	\$ 320,778.00
A2302	Snow Removal Services	4,237.50	5,000.00	5,000.00	5,000.00	5,000.00
A2389	Misc. Revenue-Other Govt	-	-	-	4,900.00	4,900.00
	TOTAL	\$ 356,934.45	\$ 325,572.00	\$ 325,778.00	\$ 330,678.00	\$ 330,678.00

SCHEDULE 2 - A (Cont'd)

ESTIMATED REVENUES OTHER THAN REAL PROPERTY TAXES TO BE LEVIED

GENERAL FUND

		ACTUAL PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>USE OF MONEY AND PROPERTY</b>						
A2401	Interest Earnings	\$ 10,245.84	\$ 7,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
A2410	Rental Real Property					
A2450	Commissions	\$ -				
	<b>TOTAL</b>	<b>\$ 10,245.84</b>	<b>\$ 7,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>	<b>\$ 15,000.00</b>
<b>LICENSES AND PERMITS</b>						
	Business & Occupational					
A2501	Licenses	\$ 2,500.00	\$ 2,500.00	\$ 3,500.00	\$ 3,500.00	\$ 3,500.00
A2530	Games of Chance	61.10	-	-	-	-
A2590	Permits	\$ 11,560.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00
	<b>TOTAL</b>	<b>\$ 14,121.10</b>	<b>\$ 14,500.00</b>	<b>\$ 15,500.00</b>	<b>\$ 15,500.00</b>	<b>\$ 15,500.00</b>
<b>FINES &amp; FORFEITURES</b>						
A2610	Fines & Forfeited Bail	\$ 148,463.00	\$ 225,000.00	\$ 275,000.00	\$ 275,000.00	\$ 275,000.00
	<b>TOTAL</b>	<b>\$ 148,463.00</b>	<b>\$ 225,000.00</b>	<b>\$ 275,000.00</b>	<b>\$ 275,000.00</b>	<b>\$ 275,000.00</b>
<b>SALES OF PROPERTY AND COMPENSATION FOR LOSSES</b>						
A2650	Sales of Scrap	\$ 102.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
A2665	Sales of Equipment	\$ 3,777.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
A2680	Insurance Recoveries	10,437.50	-	-	-	-
A2690	Other Comp. for Loss					
	<b>TOTAL</b>	<b>\$ 14,316.50</b>	<b>\$ 11,000.00</b>	<b>\$ 11,000.00</b>	<b>\$ 11,000.00</b>	<b>\$ 11,000.00</b>
<b>MISCELLANEOUS</b>						
A2701	Refunds of Appropriations					
	Expenses of Prior Years					
A2705	Gifts and Donations	\$ 5,905.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
A2710	Premium on Obligations	\$ 27,675.00	-	-	-	-
A2770	Unclassified Revenues	\$ -	-	-	-	-
	<b>TOTAL</b>	<b>\$ 33,580.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>	<b>\$ 5,000.00</b>
<b>STATE AID</b>						
A3001	State Aid, Per Capita	\$ 72,724.00	\$ 72,724.00	\$ 72,724.00	\$ 72,724.00	\$ 72,724.00
A3005	State Aid, Mortgage Tax	\$ 77,575.37	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00	\$ 80,000.00
	State Aid-Real Property	\$ -	\$ -	\$ -	\$ -	\$ -
A3040	Administration	\$ -	\$ -	\$ -	\$ -	\$ -
A3060	Records Mgt.	\$ -	\$ -	\$ -	\$ -	\$ -
A3089	State Aid-FEMA	\$ 7,967.94	-	-	-	-
A3097	State Aid-Capital	\$ 5,000.00	-	-	-	-
A3389	Other Public Safety	\$ -	\$ -	\$ -	\$ -	\$ -
A3501	Consolidated Highway Aid	\$ 117,557.53	\$ 46,140.00	\$ 119,306.00	\$ 119,306.00	\$ 119,306.00
A3820	State Aid for Youth Programs	\$ -	\$ -	\$ -	\$ -	\$ -
A3889	State Aid- grants	\$ 227,614.88	\$ -	\$ -	\$ -	\$ -
A3995	Code Enforcement	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ 508,439.72</b>	<b>\$ 198,864.00</b>	<b>\$ 277,030.00</b>	<b>\$ 277,030.00</b>	<b>\$ 277,030.00</b>

SCHEDULE 2 - A (Cont'd)

ESTIMATED REVENUES OTHER THAN REAL PROPERTY TAXES TO BE LEVIED

GENERAL FUND

		ACTUAL PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>FEDERAL AID</b>						
A4089	Federal Aid-FEMA	\$ -	\$ -	\$ -	\$ -	\$ -
A4960	FEMA Reimbursement Blizzard	\$ 15,268.22	\$ -	\$ -	\$ -	\$ -
A4097	Federal Aid-Capital Park/Ride	\$ -	\$ -	\$ -	\$ -	\$ -
A4989	Federal Aid- Sidewalk Project	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ 15,268.22</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>INTERFUND TRANSFERS</b>						
A5031	Interfund Transfers	\$ 90,000.00	\$ 154,404.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00
A5730	Bond Anticipation Note	\$ -	\$ -	\$ -	\$ -	\$ -
<b>GRAND TOTAL ESTIMATED REVENUES OTHER THAN REAL PROPERTY TAXES - GENERAL FUND</b>		<b>\$ 1,691,727.64</b>	<b>\$ 1,498,190.00</b>	<b>\$ 1,585,733.00</b>	<b>\$ 1,590,633.00</b>	<b>\$ 1,590,633.00</b>

SCHEDULE 2 - F

ESTIMATED REVENUES  
WATER FUND

		ACTUAL PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>HOME &amp; COMMUNITY SERVICES</b>						
<b>WATER SALES AND CHARGES</b>						
F2140	Metered Water Sales	\$ 600,839.60	\$ 681,689.00	\$ 688,104.00	\$ 688,104.00	\$ 688,104.00
F2144	Water Service Charges	4,570.00	7,500.00	7,500.00	7,500.00	7,500.00
	Interest and Penalties on Water					
F2148	Rents	7,285.72	8,500.00	10,000.00	10,000.00	10,000.00
	Water Services for Other					
F2378	Governments	672,631.61	696,897.00	\$ 754,457.00	\$ 754,457.00	\$ 754,457.00
	TOTAL	<b>\$ 1,285,326.93</b>	<b>\$ 1,394,586.00</b>	<b>\$ 1,460,061.00</b>	<b>\$ 1,460,061.00</b>	<b>\$ 1,460,061.00</b>
<b>USE OF MONEY AND PROPERTY</b>						
F2401	Interest and Earnings	\$ 2,962.00	\$ 3,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00
	TOTAL	<b>\$ 2,962.00</b>	<b>\$ 3,000.00</b>	<b>\$ 8,000.00</b>	<b>\$ 8,000.00</b>	<b>\$ 8,000.00</b>
<b>SALES OF PROPERTY &amp; COMPENSATION</b>						
<b>FOR LOSSES, MISC.</b>						
F2650	Sale of Scrap & Excess Mat'l	\$ 313.45	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
F2680	Insurance Recoveries	-	-	-	-	-
	TOTAL	<b>\$ 313.45</b>	<b>\$ 10,000.00</b>	<b>\$ 10,000.00</b>	<b>\$ 10,000.00</b>	<b>\$ 10,000.00</b>
<b>MISCELLANEOUS</b>						
F2701	Refund of Prior Years Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -
F2710	Premium on BAN	\$ 32,342.00	\$ -	\$ -	\$ -	\$ -
F2770	Unclassified Revenues	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL	<b>\$ 32,342.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>STATE AID</b>						
F3389	State Aid- Grant	\$ 75,000.00	\$ -	\$ -	\$ -	\$ -
<b>FEDERAL AID</b>						
F4989	Federal Aid- CDBG Grant	\$ 107,342.00	\$ -	\$ -	\$ -	\$ -
	TOTAL	<b>\$ 107,342.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>INTERFUND TRANSFERS</b>						
F5031	Interfund Transfers	\$ -	\$ -	\$ -	\$ -	\$ -
F5730	Bond Anticipation Notes	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL	<b>\$ 107,342.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>GRAND TOTAL ESTIMATED REVENUES WATER FUND</b>		<b>\$ 1,395,944.38</b>	<b>\$ 1,407,586.00</b>	<b>\$ 1,478,061.00</b>	<b>\$ 1,478,061.00</b>	<b>\$ 1,478,061.00</b>

SCHEDULE 2-G  
ESTIMATED REVENUES  
SEWER FUND

		ACTUAL PREVIOUS YEAR	CURRENT BUDGET AS MODIFIED	TENTATIVE BUDGET	BUDGET OFFICER REC	FINAL BUDGET ADOPTED
<b>HOME AND COMMUNITY SERVICES</b>						
SEWER SALES AND CHARGES						
G2120	Sewer Rents	\$ 545,599.77	\$ 593,241.00	\$ 622,903.00	\$ 622,903.00	\$ 622,903.00
G2122	Sewer Charges	600.00	600.00	600.00	600.00	600.00
G2128	Interest & Penalties on Sewer Accounts	3,101.53	6,000.00	6,000.00	6,000.00	6,000.00
G2374	Sewer Services for Other Governments	528,136.34	623,810.00	683,951.00	683,951.00	683,951.00
	<b>TOTAL</b>	<b>\$ 1,077,437.64</b>	<b>\$ 1,223,651.00</b>	<b>\$ 1,313,454.00</b>	<b>\$ 1,313,454.00</b>	<b>\$ 1,313,454.00</b>
<b>USE OF MONEY AND PROPERTY</b>						
G2401	Interest and Earnings	\$ 3,269.13	\$ 1,000.00	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00
	<b>TOTAL</b>	<b>\$ 3,269.13</b>	<b>\$ 1,000.00</b>	<b>\$ 4,000.00</b>	<b>\$ 4,000.00</b>	<b>\$ 4,000.00</b>
<b>SALES OF PROPERTY AND COMPENSATION FOR LOSSES, MISC.</b>						
G2650	Sale of Scrap & Ecess Mat'l	\$ 460.20	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00
G2680	Insurance Recoveries	\$ 8,011.20	\$ 2,000.00	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ 8,471.40</b>	<b>\$ 4,000.00</b>	<b>\$ 2,000.00</b>	<b>\$ 2,000.00</b>	<b>\$ 2,000.00</b>
<b>MISCELLANEOUS</b>						
G2701	Refund of Prior Yr Exp	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
G2710	Premium of Obligation	\$ -	\$ -	\$ -	\$ -	\$ -
G2770	Misc. Revenue	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>STATE AID</b>						
G3089	State Aid - FEMA	\$ -	\$ -	\$ -	\$ -	\$ -
G3389	State Aid-Other	\$ 80,420.42	\$ -	\$ -	\$ -	\$ -
G3901	State Oper/Maint.	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ 80,420.42</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>FEDERAL AID</b>						
G4989	Federal Aid- CDBG Grant	\$ 48,640.25	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ 48,640.25</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>INTERFUND TRANSFERS</b>						
G5031	Interfund Transfers	\$ -	\$ -	\$ -	\$ -	\$ -
	<b>TOTAL</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>GRAND TOTAL ESTIMATED REVENUES SEWER FUND</b>		<b>\$ 1,218,238.84</b>	<b>\$ 1,228,651.00</b>	<b>\$ 1,319,454.00</b>	<b>\$ 1,319,454.00</b>	<b>\$ 1,319,454.00</b>





**Village of New Paltz- Salary Schedule of Elected Officials  
Fiscal Year 2019-2020**

<b><u>Office Held</u></b>	<b><u>Salary</u></b>	<b><u>Budget Lines</u></b>
Mayor	\$55,450.00	{A1210.1}
Deputy Mayor	\$ 8,000.00	{A1010.1}
Trustees {3 @ \$7,000.00}	\$ 7,000.00	{A1010.1}

*EXHIBIT 7*

Debt Schedule

**2019-2020 DEBT SCHEDULE**

Due	Issue & Type	Balance Due	General Principal	Interest	Water Principal	Interest	Sewer Principal	Interest	Total
									0.00
9/1/2019	Water Improvements 2025/2026 serial 4.250%	1,140,000.00			125,000.00	23,512.50			148,512.50
	(pr \$19,001,3.00%) <b>BAN 2018- \$2,232,680 @ 2.1466%</b>								
9/18/2019	Water Tank \$637,000.00	637,000.00	0.00	0.00	100,000.00	19,110.00			119,110.00
	Millbrook Preserve \$475,000.00	475,000.00	100,000.00	14,250.00					114,250.00
	Fire Truck \$139,956.00	139,956.00	100,000.00	4,198.68					104,198.68
	Water Filtration Plant \$250,000.00	250,000.00			50,000.00	7,500.00			57,500.00
	Fire Truck Seagrave \$180,724.00	180,724.00	100,000.00	5,421.72					105,421.72
	STORM SEWERS-WCS \$150,000.00	150,000.00	50,000.00	4,500.00					54,500.00
	Digester Lid Cover -Sewer \$400,000.00	400,000.00	0.00	0.00			325,000.00	12,000.00	337,000.00
10/1/2019	Water filtration Plant- Interest payment					66,936.67			66,936.67
									0.00
3/1/2020	Water Improvements (Interest only)					20,934.38			20,934.38
4/9/2020	Water Filtration Upgrades 2.744 20 yr Bond	3,850,000.00			140,000.00	70,050.00			210,050.00
									0.00
	<b>TOTAL</b>	<b>7,222,680.00</b>	<b>350,000.00</b>	<b>28,370.40</b>	<b>415,000.00</b>	<b>208,043.55</b>	<b>325,000.00</b>	<b>12,000.00</b>	<b>1,338,413.95</b>
	<b>Outstanding Debt</b>								
	General	\$945,680.00							
	Water	\$5,877,000.00							
	Sewer	\$400,000.00							
	<b>TOTAL</b>	<b>7,222,680.00</b>							

**EXHIBIT 8**

Tabulation of Water Billing for FY 2018-2019

\*\*\*\*\* VILLAGE OF TOWN OF TOWN \*\*\*\*\*

	NUMBER	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	1,135	919.37CR	270,417.98	269,498.61	NEW ACCOUNTS: 1
DISCONNECTED ACCOUNT	0	0.00	0.00	0.00	DISCONNECT-NO TRF: 0
PENDING ACCOUNTS:	1	17.50		17.50	DISCONNECT-TRANSFER: 0
INACTIVE ACCOUNTS:	138	0.00		0.00	
<b>** TOTALS **</b>	<b>1,374</b>	<b>936.87CR</b>	<b>270,417.98</b>	<b>269,519.16</b>	

**\*\*CALCULATION SUMMARY\*\***

TOTAL CHARGES:	270,417.98
DEPOSIT RETURNS:	0.00
TOTAL CURRENT:	270,417.98

\*\*\*\*\* SERVICE CATEGORY TOTALS \*\*\*\*\*

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
MS MISCELLANEOUS	89	0.00	0.00	0.00	0.00			
SWR SEWER	1068	128,219.68	0.00	0.00	0.00	25613,732.0000		25613,732.0000
WTR WATER	1099	142,198.10	0.00	0.00	0.00	27087,893.0000		27087,893.0000
<b>**TOTALS**</b>		<b>270,417.98</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			

\*\*\*\*\* P/R/C REVIEWABLE AMOUNT BY SERVICE \*\*\*\*\*

SERVICES:	R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
	100 WATER	004-1-0350	142,198.10
	101-ONE TIME CHG WATER	003-1-0350	0.00
	200-SEWER	004-1-0360	128,219.68
	201-ONE TIME CHG SEWER	004-1-0360	0.00
<b>**P/C TOTALS**</b>			<b>270,417.98</b>

\*\*\*\*\* RATE TABLE TOTALS \*\*\*\*\*

CAT CODE	TRF DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MET.
MS 800	001 WATER/METER CHANGE	001	21	0.00	0.00	0.00	0.00		
MS 800	002 SEWER/METER CHANGE	002	19	0.00	0.00	0.00	0.00		
SWR 200	102 VILLAGE SEWER	102	1042	126,719.67	0.00	0.00	0.00	25,613,722.0000	
SWR 200	401 TOWN SEWER ONLY	401	25	1,500.00	0.00	0.00	0.00		
SWR 200	402 TOWN AND SWR ONLY A	402	1	0.01	0.00	0.00	0.00	10.0000	
WTR 100	101 VILLAGE WATER	101	1045	135,861.35	0.00	0.00	0.00	25,628,340.0000	
WTR 100	201 WATER ONLY	201	53	6,317.75	0.00	0.00	0.00	1,456,077.0000	
WTR 100	202 TOWN WATER	202	1	19.00	0.00	0.00	0.00	3,476.0000	
<b>**TOTALS**</b>				<b>270,417.98</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

*Village*

*9/1/18*

\*\* BILL CALCULATION \*\*  
 REGULAR BILLING

\*\*\*\*\* REPORT TOTALS \*\*\*\*\*

	NUMBER#	TOTAL ABBEARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	1,136	3,369.53CR	305,287.48	301,917.95	NEW ACCOUNTS: 1
DISCONNECTED ACCOUNT	0	0.00	0.00	0.00	DISCONNECT--NO TRF: 0
FINALED ACCOUNTS:	1	17.50		17.50	DISCONNECT--TRANSFER: 0
INACTIVE ACCOUNTS:	238	0.00		0.00	
** TOTALS **	1,375	3,352.03CR	305,287.48	301,935.45	
**CALCULATION SUMMARY**		TOTAL CHARGES:	305,287.48		
		DEPOSIT RETURNS:	0.00		
		TOTAL CURRENT:	305,287.48		

\*\*\*\*\* SERVICE CATEGORY TOTALS \*\*\*\*\*

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
MS MISCELLANEOU	39	0.00	0.00	0.00	0.00			
SWR SEWER	1069	145,489.41	0.00	0.00	0.00	29238,446.0000		29238,446.0000
WTR WATER	1101	159,798.07	0.00	0.00	0.00	30499,043.0000		30499,043.0000
***TOTALS***		305,287.48	0.00	0.00	0.00			

\*\*\*\*\* REVENUE CODE TOTALS \*\*\*\*\*

SERVICES:	R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
	100-WATER	003-1-0350	159,798.07
	101-ONE TIME CHG WATER	003-1-0350	0.00
	200-SEWER	004-1-0360	145,489.41
	201-ONE TIME CHG SEWER	004-1-0360	0.00
**R/C TOTALS**			305,287.48

\*\*\*\*\* RATE TABLE TOTALS \*\*\*\*\*

CAT CODE	TBL DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
MS 800	001 WATER/METER CHANGE	001	21	0.00	0.00	0.00	0.00		
MS 800	002 SEWER/METER CHANGE	002	18	0.00	0.00	0.00	0.00		
SWR 200	102 VILLAGE SEWER	102	1043	143,989.41	0.00	0.00	0.00	29,238,446.0000	
SWR 200	401 TOWN SEWER ONLY	401	25	1,500.00	0.00	0.00	0.00		
SWR 200	402 TOWN AND SWR ONLY A	402	1	0.00	0.00	0.00	0.00		
WTR 100	101 VILLAGE WATER	101	1045	154,207.86	0.00	0.00	0.00	29,216,862.0000	
WTR 100	201 WATER ONLY	201	53	5,426.84	0.00	0.00	0.00	1,247,837.0000	
WTR 100	202 TOWN WATER	202	1	30.75	0.00	0.00	0.00	6,054.0000	

12/1/18

REGULAR BILLING

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	1,136	3,612.33	279,403.17	283,015.50	NEW ACCOUNTS: 0
DISCONNECTED ACCOUNT	0	0.00	0.00	0.00	DISCONNECT--NO TRF: 0
FINALED ACCOUNTS:	1	17.50		17.50	DISCONNECT--TRANSFER: 0
INACTIVE ACCOUNTS:	238	0.00		0.00	
<b>** TOTALS **</b>	<b>1,375</b>	<b>3,629.83</b>	<b>279,403.17</b>	<b>283,033.00</b>	

**\*\*CALCULATION SUMMARY\*\***

TOTAL CHARGES:	279,403.17
DEPOSIT RETURNS:	0.00
TOTAL CURRENT:	279,403.17

===== SERVICE CATEGORY TOTALS =====

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
MS MISCELLANEOU	39	0.00	0.00	0.00	0.00			
SWR SEWER	1067	133,769.42	0.00	0.00	0.00	26906,271.0000		26906,271.0000
WTR WATER	1099	145,633.75	0.00	0.00	0.00	27782,447.0000		27782,447.0000
<b>***TOTALS***</b>		<b>279,403.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			

3/1/19

===== R E V E N U E C O D E T O T A L S =====

SERVICES:	R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
	100-WATER	003-1-0350	145,633.75
	101-ONE TIME CHG WATER	003-1-0350	0.00
	200-SEWER	004-1-0360	133,769.42
	201-ONE TIME CHG SEWER	004-1-0360	0.00
<b>**R/C TOTALS**</b>			<b>279,403.17</b>

===== P A R T I A L T A B L E T O T A L S =====

CAT CODE	TBL DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
MS 800	001 WATER/METER CHANGE	001	21	0.00	0.00	0.00	0.00		
MS 800	002 SEWER/METER CHANGE	002	18	0.00	0.00	0.00	0.00		
SWR 200	102 VILLAGE SEWER	102	1041	132,269.42	0.00	0.00	0.00	26,906,271.0000	
SWR 200	401 TOWN SEWER ONLY	401	25	1,500.00	0.00	0.00	0.00		
SWR 200	402 TOWN AND SWR ONLY A	402	1	0.00	0.00	0.00	0.00		
WTR 100	101 VILLAGE WATER	101	1043	141,600.88	0.00	0.00	0.00	26,873,594.0000	
WTR 100	201 WATER ONLY	201	53	3,783.32	0.00	0.00	0.00	856,019.0000	
WTR 100	202 TOWN WATER	202	1	24.12	0.00	0.00	0.00	4,748.0000	



ZONE: 01

YEAR: 2019

CALCULATION: 6

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	1,136	3,585.19CR	258,791.09	255,205.90	
DISCONNECTED ACCOUNT	0	0.00	0.00	0.00	NEW ACCOUNTS: 0
FINALED ACCOUNTS:	1	17.50		17.50	DISCONNECT--NO TRF: 0
INACTIVE ACCOUNTS:	238	0.00		0.00	DISCONNECT-TRANSFER: 0
<b>** TOTALS **</b>	<b>1,375</b>	<b>3,567.69CR</b>	<b>258,791.09</b>	<b>255,223.40</b>	

**\*\*CALCULATION SUMMARY\*\***

TOTAL CHARGES:	258,791.09
DEPOSIT RETURNS:	0.00
TOTAL CURRENT:	258,791.09

\*\*\*\*\* SERVICE CATEGORY TOTALS \*\*\*\*\*

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
MS MISCELLANEOU	39	0.00	0.00	0.00	0.00			
SWR SEWER	1070	123,891.27	0.00	0.00	0.00	24854,434.0000		24854,434.0000
WTR WATER	1102	134,899.82	0.00	0.00	0.00	25668,623.0000		25668,623.0000
<b>***TOTALS***</b>		<b>258,791.09</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			

\*\*\*\*\* REVENUE CODE TOTALS \*\*\*\*\*

SERVICES:	R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
	100-WATER	003-1-0350	134,899.82
	101-ONE TIME CHG WATER	003-1-0350	0.00
	200-SEWER	004-1-0360	123,891.27
	201-ONE TIME CHG SEWER	004-1-0360	0.00
<b>**R/C TOTALS**</b>			<b>258,791.09</b>

6/1/19

\*\*\*\*\* RATE TABLE TOTALS \*\*\*\*\*

CAT CODE	TBL DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
MS 800	001 WATER/METER CHANGE	001	21	0.00	0.00	0.00	0.00		
MS 800	002 SEWER/METER CHANGE	002	18	0.00	0.00	0.00	0.00		
SWR 200	102 VILLAGE SEWER	102	1044	122,371.62	0.00	0.00	0.00	24,820,554.0000	
SWR 200	401 TOWN SEWER ONLY	401	25	1,500.00	0.00	0.00	0.00		
SWR 200	402 TOWN AND SWR ONLY A	402	1	19.65	0.00	0.00	0.00	33,880.0000	
WTR 100	101 VILLAGE WATER	101	1046	131,015.55	0.00	0.00	0.00	24,797,449.0000	
WTR 100	201 WATER ONLY	201	53	3,556.67	0.00	0.00	0.00	803,415.0000	
WTR 100	202 TOWN WATER	202	1	24.45	0.00	0.00	0.00	4,813.0000	