

**SANITARY SEWER COLLECTION SYSTEM
QUARTERLY PROGRESS REPORT
4TH QUARTER – 2016
ONEIDA COUNTY SEWER DISTRICT**

NYSDEC Consent Order R620060823-67



Prepared for

Oneida County Department of Water Quality
& Water Pollution Control

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JANUARY 30, 2017



Cazenovia, NY



Syracuse, NY



Utica, NY

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January 30, 2017

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1.0 INTRODUCTION

1.1 HISTORICAL BACKGROUND

The Oneida County Sewer District (District) was formed in 1965 through an act by the former Oneida County Board of Supervisors. It is administered by Oneida County through the Oneida County Department of Water Quality and Water Pollution Control (WQ&WPC), which is responsible for the operation of the District's facilities and personnel. District facilities include 45-miles of interceptor sewers, the Sauquoit Creek Pumping Station (SCPS), the Barnes Avenue Pumping Station, and the Water Pollution Control Plant (WPCP). The District services 15 municipalities, nine of which are within the SCPS Basin. These municipalities own and operate their own collection systems.

1.2 PURPOSE

The New York State Department of Environmental Conservation (NYSDEC) and Oneida County (County) entered into a Consent Order (No. R620060823-67) due to sanitary sewer overflows (SSO) at the SCPS. In addition to the required mitigation of those SSO's, the Consent Order, with an effective date of December 12, 2011, requires the submission of Quarterly Progress Reports. The intent of this Quarterly Progress Report is to summarize the work that has been undertaken by the County between October 1, 2016 and December 31, 2016 (4th Quarter of 2016) in support of the Consent Order compliance requirements.

2.0 ENGINEERING INVESTIGATIONS AND EVALUATIONS

During the 4th Quarter of 2016, the County completed the following tasks related to engineering investigations and evaluations.

2.1 COLLECTION SYSTEM

2.1.1 Manhole Inspections

The manhole inspection program was completed in 2012. There were no additional manhole inspections completed during the 4th Quarter of 2016.

2.1.2 Sanitary Sewer Televising

There are approximately 216-miles of sanitary sewer within the SCPS basin (30-miles of District interceptor sewer plus 186-miles of municipal sewer). In 2011, the County contracted with a firm (National Water Main Cleaning Co.) to perform closed circuit televising (CCTV) of these sanitary sewers. Televising data was collected electronically in the field using the nationally standardized Pipe Assessment and Certification Program (PACP) and incorporated into the County's data management software.

The 2011 initial televising contract resulted in approximately 79%, or 171-miles of the 216-miles of sewers being televised. The remaining 21%, or 47-miles of sewers, were not inspected at that time due to heavy debris in quantities beyond the scope of the contractual cleaning effort; small diameter pipe inhibiting effective CCTV inspections; lack of easement access to manholes and sewers, and buried manholes. These obstacles are primarily maintenance related and are being addressed through the District-wide Capacity, Management, Operations, and Maintenance (CMOM) program currently in various stages of implementation. Efforts are being made to CCTV and inspect additional sewers as a component of current and future sewer rehabilitation contracts.

During the 4th Quarter 2016, approximately 3-miles of sewer was televised under Sewer Rehabilitation Contract 10. Including the original CCTV contract, and subsequent CMOM and rehabilitation related CCTV, a total of approximately 181-miles of sewer, or 84% of the total sewers in the SCPS basin have been televised.

2.1.3 Dye Testing

The dye testing program was completed in 2012. There was no additional dye testing performed during 4th Quarter 2016.

2.2 TREATMENT FACILITIES

Most of the investigations and evaluations have been completed. The WPCP, SCPS and New Force Main are in various stages of design, review, bidding, and construction. Table 2.1 summarizes how the work has been segregated and the status of each of the various planned construction contracts. Note: Contract numbers identified for the work at the WPCP and the SCPS/Force Main (C-1 through C-8), do not correlate to the sanitary sewer rehabilitation contracts (Contracts 2-14).

A phosphorus evaluation is currently being conducted to characterize the WPCP's seasonal influent and effluent phosphorus concentrations, and to evaluate phosphorus removal technologies. The sampling and laboratory analysis was completed during 3rd Quarter 2016. A draft report was being developed during 4th Quarter 2016 and will be reviewed with the County in the 1st Quarter of 2017.

Table 2.1

Oneida County Sewer District									
Summary of Contracts 4Q 2016									
Water Pollution Control Plant and Sauquoit Creek Pumping Station/Force Main									
Contract No.	Title of Contract	Components of System Addressed	Status of Design	Status of DEC Review	Status of other Agency Reviews	Estimated Advertisement	Estimated ⁽¹⁾ Construction Start	Construction Progress	Estimated Construction Complete
1	Incinerator No. 2 Demolition	Demolition of Incinerator No. 2	Final	Approved	n/a	Bidding occurred during 1Q 2016; however, due to the outcome of bids, the demolition was added to Contract 2 by addendum on May 25, 2016.			
2	WPCP Solids Handling Upgrades	2 new egg-shaped digesters, 1 secondary digester w/gas holding cover, new waste activated sludge pumps, refurbish 4 gravity thickeners, new stand-by lime stabilization system, 2 new belt filter presses	Final	Approved	n/a	Advertised April 4, 2016	Notice to Proceed September 27, 2016	Mobilization, initial excavation, facilities demolition and pile driving	April 2019
3	Electrical Equipment Pre-Purchase	Pre-purchase of major electrical components such as switch gears, transformers, and supporting power distribution equipment	60%	n/a	Pending National Grid approval, Stage A submitted in February 2016	April 2017	Equipment delivery July 2018	n/a	November 2018
4	Sauquoit Creek Force Main Upgrades	New 48-inch force main and rehabilitation of the existing force main, new flow metering and flow control vaults	Final	Approved	Approved	March 2017	June 2017	n/a	December 2019
5	Sauquoit Creek Pumping Station Upgrades	Replacement of existing pump station mechanical screen contained in a new screen building, 2 screenings washer/compactors and conveyor; replacement of existing standby generator capable of operating the station to pump peak flow during a power outage; electrical/HVAC upgrades; flow distribution structure at the WPCP	Final	Approved	n/a	Advertised November 15, 2016; bid opening February 16, 2017	April 2017	n/a	October 2018
5.1	Barnes Avenue Pumping Station Upgrades	Relocation of pumping station to south side of CSX Railroad right-of-way; new, smaller, sustainable pumping station sized to accommodate actual flow rates	0%	n/a	n/a	December 2017	May 2018	n/a	January 2019
6	WPCP Headworks Upgrades	New screening facility and pump station dedicated to sanitary flows from North Utica & Starch Factory Creek Interceptors; repurpose existing raw waste building for combined flow from City of Utica; new grit removal facilities; remodeling of the administrative building including new laboratory, control room, offices, training room, etc.	Final	Anticipated approval January 2017	n/a	February 2017	June 2017	n/a	August 2019
7	WPCP Primary Treatment Upgrade/Disinfection	New rectangular primary settling tanks to replace existing circular tanks; new high rate disinfection system for wet weather combined sewer flows; new HRD outfall	Final	Submitted December 9, 2016	n/a	May 2017	September 2017	n/a	May 2021
8	WPCP Secondary Treatment Process Upgrades	Replacement of existing blowers with more efficient units, replacement of existing aeration tank diffusers, refurbishment of the existing final settling tanks	30%	Estimated submittal December 2018	n/a	February 2019	June 2019	n/a	August 2021

3.0 MANAGEMENT PROGRAMS

3.1 COMPUTERIZED MANAGEMENT AND MAINTENANCE SYSTEM

The County purchased a Computerized Management and Maintenance System (CMMS) software system (Lucity) in 2009. This software is used to manage the sewer system data (mapping, inspections, etc.) obtained to date by the County. At the same time that the software was acquired, the County invested in computer hardware upgrades to support the CMMS. The County's Geographic Information System (GIS) Coordinator manages the system.

The County continues to utilize the CMMS for tracking and documenting sewer rehabilitation work, and uploading and managing new PACP data provided by the County's CCTV and sewer rehabilitation contractors on a regular basis.

The Consultant Team utilizes the CMMS in support of the sanitary sewer rehabilitation design efforts as a means to identify defects and develop rehabilitation methodologies.

The County continues to maximize the use of its current CMMS software. At the same time, the County, with the assistance of the Consultant Team, continues to assess ways to optimize the CMMS with the long term expanded asset management needs for the wastewater system. As a result, the County has begun to explore potential alternative software. It is anticipated this research of alternative software systems will continue as opportunities become available.

3.2 FLOW MONITORING PROGRAM

The County worked closely with the Dormitory Authority of the State of New York (DASNY) to secure the \$950,000 Economic Development Assistance Program (EDAP) funding allocation to support the extensive flow monitoring program proposed by the County and approved by NYSDEC on August 24, 2012.

The EDAP funds were ultimately made available by DASNY to the County in March 2014. Procurement of the flow monitoring equipment was advertised on June 9, 2014. Contract was awarded on September 10, 2014 to ADS Environmental Services, LLC (ADS). ADS completed the installation of 63 flow meters and five rain gauges in 2015. Two of the meters were installed to monitor flow to the County's Barnes Ave Pumping Station. The other two are used to monitor flow in two of the City of Utica's combined sewers to aid in hydraulic model calibration and confirmation. The flow meters and rain gauges have been consistently collecting flow data since their installation.

3.3 PRIVATE PROPERTY INFLOW AND INFILTRATION REDUCTION PROGRAM

The document titled "Preliminary Planning Document – Private Property Inflow and Infiltration Reduction Program" was submitted to NYSDEC on June 29, 2012 as required by Schedule A - Section B.2 of the Consent Order. The County, working through the Steering Committee, created a working group of appropriate private property inflow and infiltration (PPII)-oriented community representatives to map out a phased implementation plan.

During the full Steering Committee meeting on April 20, 2016, the County, consultant team, and committee members engaged in discussion regarding the most efficient and productive meeting format for 2016. It was agreed that the best approach would be to hold individual meetings in those municipalities requesting a meeting to allow focus on community-specific needs. The consultant team provided brief presentations to town and village board officials to update them on the overall OCSD project. Individual presentations were made to the Village of New Hartford, Town of Paris, Town of Whitestown and Village of Clayville.

In support of a potential pilot project to address private property I/I, lateral CCTV is being performed in select locations during the on-going sewer rehabilitation projects. CCTV data was received from the sewer rehabilitation contractor during 4th Quarter 2016. The data was reviewed for completeness and analysis was begun to identify I/I defects.

3.4 CAPACITY, MANAGEMENT, OPERATIONS AND MAINTENANCE PROGRAM

The document titled “Preliminary Planning Document – Proposed CMOM Framework – Sauquoit Creek Pumping Station Basin Communities” was submitted to NYSDEC on June 29, 2012 as required by Schedule A – Section B.3 of the Consent Order. The County, working through the Steering Committee, created a working group of appropriate CMOM-oriented community representatives to map out a phased implementation plan.

As stated in Section 3.3, the Working Group structure was modified to focus on community-specific needs and meetings were adjusted accordingly.

A full Steering Committee meeting was held on November 17, 2016. The Committee invited guest speaker, Mr. Bill Putt, Collection System Manager, Monroe County Department of Environmental Services, to attend the meeting and to share the challenges Monroe County faced in development of its collaborative, regional system to address SSO and CSO pollution in Irondequoit Bay, the Genesee River, and areas of Lake Ontario. He also discussed the management structure of their regional system and their multi-year Capital Improvement Program.

The consultant team is working with the Oneida County Department of Health to finalize the fats, oils, and grease (FOG) inspection process. Joint inspections of food service establishments will tentatively begin in 2017. Inspections are the next step in implementation of the FOG program.

The consultant team continues to assist the County with CMOM collection system duties. During the 4th Quarter 2016 assistance was provided on the following:

Marcy-North Utica Interceptor Sewer

- Cleaning of 3,130-feet of interceptor to remove extensive sedimentation
- Grouting of nine manholes to stop infiltration

Sauquoit Creek Interceptor Sewer

- Investigated interceptor sewer pipe exposure in Sauquoit Creek near Victoria Drive in New Hartford
- Developed conceptual repair drawings and forwarded to NYSDEC Region 6 for review
- Met with NYSDEC Region 6 representatives at the project site
- Currently waiting for NYSDEC concurrence with proposed approach for corrective measures

4.0 SCHEDULE/MILESTONE DATES

4.1 APPROVED SCHEDULE

The following table represents the approved schedule as defined by the Consent Order (note that there were no changes to this schedule during the 4th Quarter of 2016):

Description	Consent Order, Schedule "A" Date	Status
<u>Engineering Investigations and Evaluations</u>		
Dye Testing and Storm Sewer Report	June 30, 2012	Complete, Submitted June 29, 2012
Manhole Evaluation Report – Phase II	June 30, 2012	Complete, Submitted June 29, 2012
SCPS Evaluation Report	August 31, 2012	Complete, Approved November 28, 2012
WPCP Evaluation Report	August 31, 2012	Complete, Approved November 28, 2012
Treatment System Supplement (Report)	60 days after approval of WPCP Evaluation Report	Complete, Submitted January 25, 2013
Sewer CCTV Inspection Report – Phase II	April 30, 2013	Complete, Submitted April 25, 2013
Sewer CCTV Inspection Report – Phase III	April 30, 2014	Complete, Submitted April 29, 2014
Collection System Supplement (Report)	May 31, 2014 (extension granted to July 1, 2014)	Complete, Submitted June 30, 2014 Approved December 18, 2014
<u>Management Programs</u>		
Flow Monitoring Program	March 31, 2012	
Private Property I/I Reduction Program	June 30, 2012	Complete, Submitted June 29, 2012
CMOM Program	June 30, 2012	Complete, Submitted June 29, 2012
PPII Reduction Program Implementation	May 31, 2013	Began implementation in 4 th Quarter 2012
CMOM Implementation	May 31, 2013	Began implementation in 4 th Quarter 2012
Asset Management Plan	December 31, 2021	Pending
<u>Remedial Measures</u>		
Semi-Permanent Alternative-Construction	December 31, 2016	Final design and permitting. A formal request to modify this date and eliminate the semi- permanent alternative was submitted to NYSDEC on 9/6/2016.

Description	Consent Order, Schedule “A” Date	Status
SSO Mitigation-Consent Order Compliance	December 31, 2021	In progress
Reporting		
Annual Work Plan	January 31, Annually	Completed annually. 2016 report submission approved March 8, 2016
Quarterly Progress Report	Quarterly	Submitted quarterly

Note: I/I – Inflow and Infiltration

4.2 MILESTONES

During the 4th Quarter of 2016, the following milestone dates were met:

- Continuing to make progress toward compliance milestones.
- The original Schedule “A” date for the completion of the construction of the Semi-Permanent Alternative was December 31, 2016. A formal request was submitted to the NYSDEC in September 2016 to eliminate the Semi-Permanent Alternative and to modify the December 31, 2016 Consent Order interim milestone date. The Semi-Permanent Alternative was found to no longer provide the value originally anticipated due to enhancements to the project construction schedule at the WPCP and the benefits seen from the progression of sewer rehabilitation contracts. During subsequent conversations with the Regional Water Engineer, the request was made to provide the dollar equivalents in expedited sewer rehabilitation contracts (to be completed in 2017) for the planned savings that would be realized from the Semi-Permanent Alternative. That information was presented in a letter dated November 22, 2016 to the NYSDEC. Verbal concurrence from the Regional Water Engineer regarding the County’s November 2016 letter was provided in December 2016 with indication that a Consent Order modification will be forthcoming incorporating the sewer rehabilitation schedule outlined in the November letter, while eliminating the requirement for the Semi-Permanent Alternative.

5.0 SEWER REHABILITATION

Sewer rehabilitation work financed under CWSRF Project No. C6-6070-08-00, C6-6070-08-10, and C6-6071-02-00 continued to progress. Projects are being tracked by contract number. The rehabilitation contracts are being undertaken in order to reduce the amount of inflow and infiltration entering the system due to defects in interceptor sewers, mainline sewers, lateral connections and manhole structures. Work under these sewer rehabilitation contracts typically includes: a mix of CIPP lining; pipe joint and lateral grouting; open cut repairs; spot repairs; manhole repairs/replacement; and supplemental CCTV inspections. The status and details of the rehabilitation contracts to date are presented in Table 5.1.

Table 5.1

Oneida County Sewer District
Summary of Contracts 4Q 2016
Sewer Rehabilitation Contracts

Contract No.*	Title of Contract	Project Location/Description	CWSRF Project No.	Status of Design	Status of DEC/EFC/COUNTY Review	Miles of Rehabilitation ⁽²⁾	Estimated I/I Reduction (gal/day)	Current Contract Amount ⁽¹⁾	Contractor	Contract Status
2	Sanitary Sewer Manhole Rehabilitation - Phase 2	<u>District-wide</u> : Rehabilitation of approximately 1,278 sanitary sewer manholes	C6-6070-08-00	Final	Approved	47	5,411,910	\$ 1,529,131.73	Green Mountain Pipeline Services	Project Complete; Closed Out
3	Sanitary Sewer Mainline Rehabilitation - Phase 1	<u>Villages of New York Mills, Oriskany, New Hartford, Whitesboro, and Yorkville; Towns of New Hartford and Whitestown</u>	C6-6070-08-00	Final	Approved	13	1,503,360	\$ 1,916,428.54	Insituform	Project Complete; Closed Out
4	Sewer Separation - Clinton/Henderson Street, NY Mills	<u>NY Mills</u> : Storm/Sanitary sewer separation	C6-6070-08-00	Final	Approved	2	264,000	\$ 155,007.51	JJ Lane Construction	Project Complete; Closed Out
5	Sewer Repairs and Rehabilitation	<u>Villages of Whitesboro, New Hartford, Yorkville, New York Mills</u> : Storm/Sanitary sewer repairs and rehabilitation; manhole replacement and UV-CIPP lining.	C6-6070-08-00	Final	Approved	1	120,000	\$ 411,841.66	Central Paving	Project Complete; Closed Out
6	Sanitary Sewer Mainline Rehabilitation - Phase 2	<u>Villages of New Hartford and Clayville; Towns of New Hartford and Paris; City of Utica</u>	C6-6070-08-00	Final	Approved	15	1,130,000	\$ 2,086,525.00	Green Mountain Pipeline Services	Project Complete; Close out pending Final Paperwork submission
7	Sanitary Sewer Mainline Rehabilitation - Phase 3	<u>Towns of New Hartford and Whitestown</u> : Glenhaven area (HHI-1 and WHN-31) and the area west of the Whitesboro Parkway School and south of Clinton Street (WHN-33)	C6-6070-08-00	Final	Approved	13	630,000	\$ 2,060,644.00	Green Mountain Pipeline Services	Project Complete; Close out pending Final Paperwork submission
8	Sanitary Sewer Mainline Rehabilitation - Phase 4	<u>Town of New Hartford</u> : Kellogg Road (NHD-18), Paris Road (NHD-23), and French/Burrstone Road (NHD-24)	C6-6070-08-00	Final	Approved	14	249,000	\$ 1,305,997.25	National Water Main Cleaning Co.	Project 95% Complete; Punchlist Items remain
10	Sanitary Sewer Mainline Rehabilitation - Phase 5	<u>Town of Whitestown and Village of Whitesboro</u> : area west of Henderson St., north of Mud Creek, south of Clinton St. and east of Clinton Rd; and areas of V. of Whitesboro that have not been previously rehabbed	C6-6070-08-10	Final	Approved	17	1,120,000	\$ 3,429,370.00	Green Mountain Pipeline Services	Project is under construction; expected to be complete by end of 2Q 2017

Oneida County Sewer District
Summary of Contracts 4Q 2016
Sewer Rehabilitation Contracts

Contract No.*	Title of Contract	Project Location/Description	CWSRF Project No.	Status of Design	Status of DEC/EFC/COUNTY Review	Miles of Rehabilitation ⁽²⁾	Estimated I/I Reduction (gal/day)	Current Contract Amount ⁽¹⁾	Contractor	Contract Status
11	Sanitary Sewer Mainline Rehabilitation - Phase 6	<u>Town of New Hartford/Hamlet of Washington Mills:</u> Chapman Rd, Higby Rd., and Mohawk St. as well as side streets in T. of New Hartford (NHD-20)	C6-6070-08-10	Final	Approved	7	260,640	\$ 760,755.00	National Water Main Cleaning Co.	Project Complete; Close-out pending Final Paperwork submission
12 ⁽³⁾	Sewer Rehabilitation Project	<u>Village of Yorkville:</u> areas of the Village not previously rehabbed	C6-6071-02-00	Final	Approved	11	824,832	\$ 3,600,000.00	TBD	Project out for public bidding; Notice to Proceed is expected to be issued in 1Q 2017.
13	Sanitary Sewer Mainline Rehabilitation - Phase 8	<u>Town of New Hartford:</u> residential subdivisions along Routes 12B and Merritt Place, situated south of Route 5B and Seneca Turnpike, and north of Sherrill Brook Park (NHD-6)	C6-6070-08-10	Final	Approved	5	280,000	\$ 802,838.50	National Water Main Cleaning Co.	Project was awarded; Notice to Proceed is expected to be issued in 1Q 2017.
14	Sanitary Sewer Mainline Rehabilitation - Phase 9	<u>Town of New Hartford:</u> Commercial district along Seneca Turnpike surrounding Sangertown Square Shopping Mall, south to a residential area situated between Seneca Turnpike and Clinton Rd., and a small residential area south of Clinton Rd. along Merritt Place (NHD-9)	C6-6070-08-10	Final	Pending; Submitted Oct 6, 2016	7	360,000	\$ 1,000,000.00	TBD	Project expected to be publicly bid during 2Q 2017
16	Sanitary Sewer Mainline Rehabilitation - Phase 10	<u>Town of Whitestown:</u> Residential area along Westmoreland Rd. and West St., south of the NYS Thruway, and north of Clinton Rd. (WHN-34, WHN-35, WHN-12 & WHN-36)	C6-6070-08-10	Preliminary	Expected to be submitted 1Q 2017	8	410,000	\$ 1,540,000.00	TBD	Project expected to be publicly bid during 2Q 2017

* - Contract 9 - Flow Monitoring Contract

(1) - Values are subject to change upon submission of final contractor close-out documentation. Some entries are contract bid amounts and will be updated when project closes out.

(2) - In order to estimate the manhole repairs in equivalent miles, the following calculation was used:

In the April 2012, Engineering Report, Sauquoit Creek Pumping Station Basin – Phase I-Mainline Pipe Rehabilitation – Contract No. 3, the length of line to be rehabilitated was 13-miles, and the corresponding flow to be removed is 1,503,360 gal/day, which calculates to 116,000 gpd/mile. Using the same 116,000 gpd/mile figure for Contract No. 2, an estimated 5,411,910 gal/day divided by 116,000 gpd/mile, is equivalent to 47-miles of rehabilitated sewers.

(3) - formerly Contract 12 - Sanitary Sewer Mainline Rehabilitation - Phase 7. Financed by the Village of Yorkville.

BOLD - Value represents the Engineers estimate

6.0 ASSESSMENT OF REHABILITATION EFFECTIVENESS

See Section 3.2 above for a discussion of the status of flow monitoring. Based on the completed work, and using estimated values of inflow and infiltration (I/I) removals provided in the Offset Plan and/or the approved Basis of Design engineering reports for the respective projects, the estimated reductions in I/I for each rehabilitation contract are shown in Table 5.1.

7.0 COMPLETED CAPITAL PROJECTS/FACILITY UPGRADES

Status of all capital projects and facility upgrades is provided in Table 2.1 and Table 5.1.

8.0 I/I OFFSET PROJECTS/NEW FLOWS

During the 4th Quarter of 2016, the following additions and subtractions to the I/I Offset Credit Bank were recorded by the County. All amounts are reported in gallons per day (gpd) after the application of the 5:1 offset ratio.

Community	Starting Balance	Credits Added	Location	Credits Used	Ending Balance
Town of New Hartford	470,649		555 Patricia Dr. Applewood (315.000-4-7)	320	469,209
			726 Patricia Dr. Applewood (315.000-4-7)	320	
			54 Cherrywood Blvd. Cherrywood (328.000-2-26)	320	
			315 Matthew Dr. Applewood (315.000-4-7)	240	
			58 Cherrywood Blvd. Cherrywood (328.000-2-26)	240	
Town of Paris	96,680	0		0	96,680
Town of Whitestown	135,426	0		0	135,426
Village of Clayville	28,829	0		0	28,829
Village of New Hartford	59,510	0		0	59,510
Village of New York Mills	163,787	0		0	163,787
Village of Oriskany	103,466	0		0	103,466
Village of Whitesboro	163,599	0		0	163,599
Village of Yorkville	160,282	0		0	160,282
Oneida County Business Park	43,027	0		0	43,027
Oneida County Sewer District	24,710	0		0	24,710
Totals	1,449,965	0		1,440	1,448,525

9.0 KEY PERSONNEL CHANGES

Key personnel changes, as they relate to the SSO Mitigation/Consent Order compliance project, are interpreted to be those staff members whose addition to or deletion from the project would be viewed by the County to either add resources, or be a detriment to progress. Project staff includes County, satellite community, and Consultant Team personnel. The following is a summary of changes.

9.1 COUNTY STAFF

During the 4th Quarter of 2016, there were no changes of key personnel to report.

9.2 SATELLITE COMMUNITY STAFF

During the 4th Quarter of 2016, there were no changes of key personnel to report.

9.3 CONSULTANT TEAM STAFF

During the 4th Quarter of 2016, there were no changes of key personnel to report.

10.0 ADMINISTRATIVE ITEMS

10.1 WORK AUTHORIZATIONS

No new work orders were authorized during the 4th Quarter of 2016.

10.2 PROJECT FINANCING

The following listing is from the CWSRF 2016 Final Intended Use Plan (IUP), issued in November 2015 for the County:

CWSRF PROJECT #	PROJECT NAME	TOTAL IUP AMOUNT
C6-6070-08-00 (Long-term financed)	I/I CORR [9 CONTRIBUTING COMMUNITIES] Phase 1 and 2a	⁽¹⁾ \$10,078,438 (includes \$4M Principal Forgiveness)
C6-6070-08-10 (Balance of unexpended funds from Original C6-6070-08-00 financing)	Planning, Design, and Construction of I/I Correction to Improve Mohawk River	\$11,586,562
C6-6070-08-01 (Multi-year)	I/I CORR [SSO - 9 Contributing Communities] Phase 2b-3	\$59,500,000
C6-6070-08-02 (Long-term financed)	FM, PS REHAB [DESIGN AND PERMITTING PHASE] Phase 5a	⁽¹⁾ \$2,524,071
C6-6070-08-03 (Multi-year)	I/I CORR [SSO] Phase 4	\$9,520,000
C6-6070-08-04 (Annual List - closing on STF pending)	Wastewater Improvements [CONSTRUCTION PHASE] Phases 5b and 6c	\$117,000,000
C6-6070-08-05 (Annual List)⁽²⁾	STP UP (Phases 6a and 6d)	\$110,600,000
C6-6070-08-06 (Annual List - STF)	STP UP [SOLIDS HANDLING SYSTEMS DESIGN AND CONSTRUCTION]	\$35,000,000

(1) - CWSRF Project Financing has closed, is no longer listed in IUP, but reflect the amount Oneida County is now repaying.

(2) - At the request of NYSEFC, Oneida County has agreed to move this financing to the "multi-year" list for the upcoming 2017 Intended Use Plan.

10.2.1 Construction of the Sauquoit Creek Pumping Station, New Force Main and WPCP Solids Handling Upgrades (CWSRF No. C6-6070-08-04)-\$117 Million

Financing has been approved by NYSEFC. Closing on the Short Term Financing is being coordinated with NYSEFC and will occur based on projected cash flow need.

10.2.2 Village of Yorkville Sewer Rehabilitation Project (CWSRF No. C6-6071-02-00) - \$4.2 Million

The Village of Yorkville is directly funding and undertaking this project to repair, rehabilitate, replace, and/or reconstruct deteriorated sewers owned and operated by the Village which are tributary to the Sauquoit Creek Pumping Station. Work will include manhole rehabilitation, sanitary sewer rehabilitation (CIPP, grouting, spot repairs, etc.), sanitary sewer replacement/reconstruction and stormwater system improvements to accommodate I/I removal. This work will supplement work previously financed by Oneida County.

The Village of Yorkville was awarded CWSRF hardship financing (\$3.5 million) and a Water Infrastructure Grant (\$1.05 million).