Save the Rain First Quarterly Report 2016

Save the Rain

January - March 2016



Joanne M. Mahoney County Executive



ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION

VISION

To be a respected leader in wastewater treatment, storm water management, and the protection of our environment using state-of-the-art, innovative technologies and sound scientific principles as our guide.

MISSION

To protect and improve the water environment of Onondaga County in a cost-effective manner ensuring the health and sustainability of our community and economy.

CORE VALUES

Excellence Teamwork Honesty Innovation Cost-Effectiveness Safety



Table of Contents

Report from Commissioner

Gray Projects Update

- Progress of Projects Under Construction
- Fact Sheets

Green Projects Update

- Projects Summary
- Fact Sheets

Green Improvement Fund Update

- Green Improvement Fund Program Summary
- Fact Sheets

Metro WWTP Phosphorus Projects/TMDL/Ambient Monitoring Program Update

- Metro Phosphorus Optimization Project
- Metro Phosphorus Work Plan Project
- Onondaga Lake Water Quality Model
- Ambient Monitoring Program
 - Water Quality Sampling Tributary Sampling
 - Tributary Bacteria Compliance Assessment Onondaga Lake Sampling
- Biological Monitoring Program Sampling Summary

Legislative/Regulatory/Media Update

- Action Items for County Legislature
- Action Items for the Environmental Protection Committee
- Media Articles

Financial Update

- Contracts
 - New Contracts Amendments to Existing Contracts Change Orders
- Funding

State Bond Act Funds Federal EPA Funds Federal Army Corps of Engineers Funds EFC Loans

Onondaga County Lake Improvement Project
 Fourth Stipulation of the ACJ

Clinton/Lower MIS CSO Improvement Harbor Brook Drainage Basin CSO Abatement Midland CSO Abatement Sewer Separation of CSO Areas: 022/038/040/045/046A/046B/047/048/050/051/053/054 Save the Rain Education and Outreach Grant

<u>Appendix</u>

- Project Payments
- Lake Improvement Project Status Report
- Federal and State Grants/Loans Approved and Received
- Chronology of Project Construction Starts
- Contractors for Construction Projects
 - Metro Treatment Plant
 - CSOs
- WEP Acronyms

Project Progress

Report from the Commissioner

I am pleased to report that WEP has submitted its ACJ Annual Report for 2015 on time (4/1/2016), and a copy of the full Annual Report may be found on the savetherain.us website. The Report documents the County's achievement in meeting all ACJ gray milestones. The Report provides documentation to support a 96.2% capture of combined sewer overflows as of 12/31/2015. Note that the CSO capture condition of the ACJ is 95% by 12/31/2018 – the County continues to meet and exceed the overall CSO capture requirements of the ACJ.

Projects are ongoing in the CSO capture program in an effort to continue to provide water quality improvements. While overall capture is met, certain CSO outfalls are more frequently active and projects continue in order to reduce the frequency and volume of active CSOs in order to improve water quality.

At this time, a substantial project in CSO 052, in the area of South Avenue and Mitchell Avenue is at the 90% design phase and should be out for bid this construction season. The work will significantly reduce overflows in the highly reactive CSO 052, which discharges to the upper Midland section of Onondaga Creek. This significant green infrastructure project is also designed to alleviate some local flooding issues related to illegal dumping of construction fill on the old Garzone's property. Neighborhood outreach is helping to explain the multiple benefits of this green infrastructure project to improve water quality, reduce local property flooding and improve the eyesore that was the backyard of Garzone's. There will be construction, but in the end, this will be an excellent project, and as is typical of many green infrastructure practices, our current cost and capture metrics estimate this project will be less expensive to build on a cost per gallon of capture metric than sewer separation or typical gray infrastructure.

Green infrastructure designs are at the 50% phase for projects in CSO 060/077. These projects represent a number of green street practices designed to improve water quality while improving neighborhoods. It is hoped that green streets in the area of Lancaster Avenue and Ackerman Avenue in the University area of this CSO sewershed can be constructed this summer while school is out of session. The design of these projects is being coordinated with the City of Syracuse to benefit neighborhoods and also complete "Save the Rain" work in harmony with the City's Capital Plan for streets. The projects in CSO 060/077 are described in the green project tabs of this Quarterly Report. Again, at this phase of design, it is estimated that the projects will be less costly on a capital cost per gallon of capture than most sewer separations or typical gray projects.

Changing topics, from the specifics of active green projects in process, back to larger water quality perspectives, I am pleased to report on continued progress and compliance as it relates to priority pollutants and both the CSO program and the County's Mercury Minimization Program.

The Federal Clean Water Act (CWA), an amendment to the Federal Water Pollution Control Act of 1972, establishes the basic structure for regulating discharges of pollutants into the waters of the United States. Section 307 defines a list of priority pollutants for which the US EPA must establish ambient water quality criteria and effluent limitations. Parameters on the list take into account the toxicity,

persistence, and degradability of the pollutant; the potential presence and the importance of affected organisms in any waters; and the nature and extent of the toxic pollutant on such organisms.

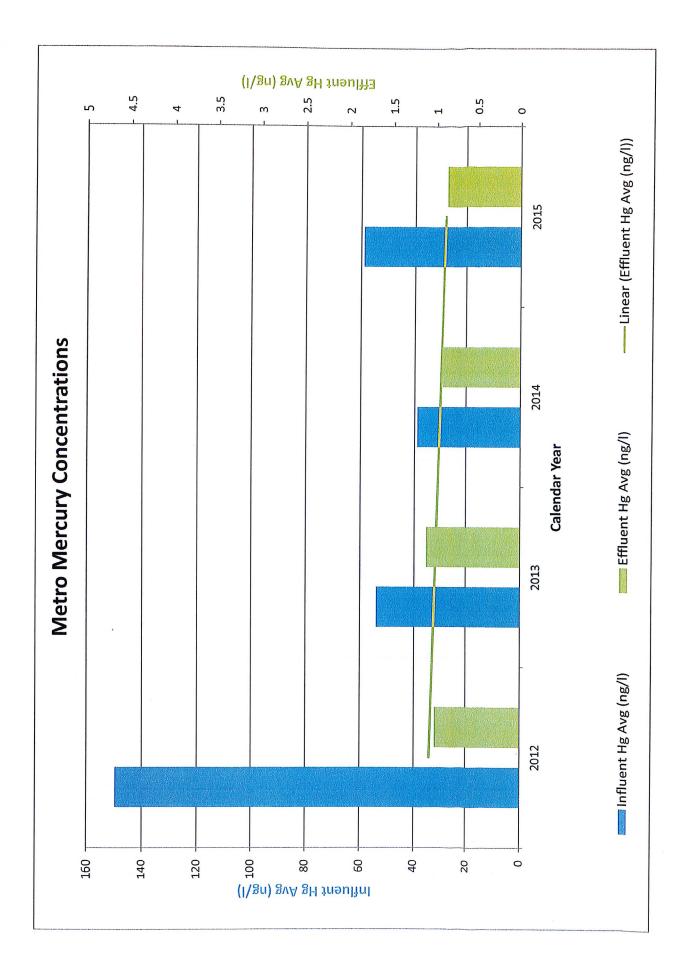
Concentrations of these priority pollutants in Onondaga Creek were measured in 2012 as part of the County's CSO Post Construction Compliance Monitoring Program (PCCM), which evaluates in-stream water quality during wet weather events, to discern the impacts of the CSO discharges to the receiving waters. Compliance was evaluated for several priority pollutants in comparison to Ambient Water Quality Standards (AWQS). Several parameters had no measurable concentrations, although compliance could not be assessed for every parameter due to limitations of the analytical methodology to achieve concentrations at the level of the AWQS. Compliance with standards for PCB Aroclors was further evaluated for both Onondaga Creek and Harbor Brook based on PCCM samples collected in 2015. Sample results were non-detect for all Aroclors.

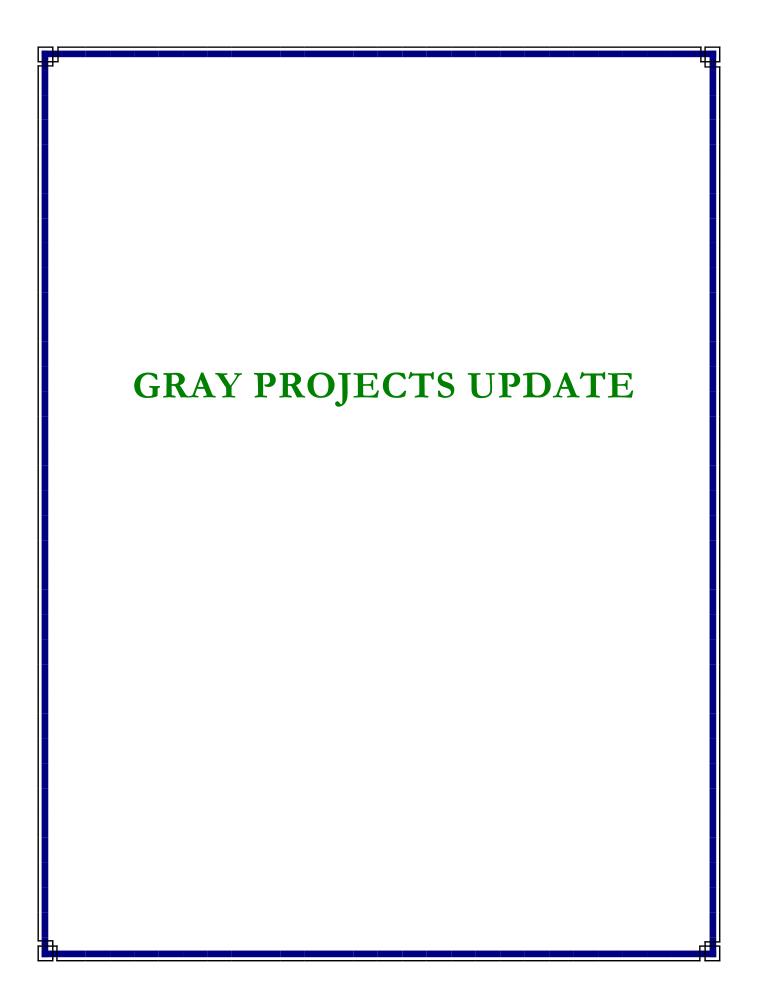
In addition, in order to meet water quality goals for mercury, the County has implemented Mercury Minimization Programs (MMPs) for each treatment facility as part of the SPDES permit. The goal of the MMP is to reduce mercury effluent levels to achieve a water quality based effluent limit goal of 0.7 ng/l for total mercury. Since the program for the Metro treatment plant was initiated in 2012, there has been a positive downward trend in both the influent and effluent mercury levels. This is largely the result of conducting dental facility inspections to ensure that amalgam separator filters are in place and properly maintained. WEP is pleased to show excellent progress toward the DEC the goal of 0.7 ng/l, the results have decreased from around 1 ng/l to 0.86 ng/l in just a few years' time as Metro continues on the path to 0.70 ng/l. A graph of Metro Mercury concentrations is attached. We thank our partners in the dental community for their cooperation.

I am pleased to report on the continued efforts of our program to protect and improve the water environment of Onondaga County in a cost-effective manner ensuring the health and sustainability of our community and economy.

Respectfully Submitted,

Tom Rhoads P.E. Commissioner





Gray Projects Update

One gray infrastructure project is currently underway – the CSO 061 Sewer Separation Project.

The purpose of the CSO 061 Sewer Separation Project is to separate sanitary and stormwater flow along Crehange Street within CSO 061. By separating the flow, all wastewater will be conveyed to the Main Interceptor Sewer (MIS), located within Kirk Park Drive, for treatment at Metro. The stormwater will be discharged to Onondaga Creek via a new stormwater outfall, and the discharge of CSO at this location will be eliminated.

The separation of sewers within the CSO 061 basin was discussed in the Floatables Control Facility (FCF) Plan, dated November 16, 2010 and revised and amended on April 28, 2011 and March 2013 based upon comments from the NYSDEC and plan changes to abate CSOs for floatables. The March 2013 revised FCF plan was conditionally approved by the NYSDEC on January 26, 2015. In the original report and each subsequent revision, the conclusion has been that the CSO 061 area would be abated via sewer separation. In addition, the Metro SPDES permit dated March 21, 2012 and the permit modification dated June 4, 2014 also list CSO Area 061 as a basin to be separated.

The CSO 061 basin includes 1.8 acres of residential and vacant land on the City of Syracuse's south side. The predicted annual CSO volume for this outfall is 0.1 MG from 12 activations per year, and the trigger intensity for this CSO is 0.3 in/hr. These predictions and intensities are based upon the 1-year, 2-hour design storm, which uses the 1991 rainfall data. The recommended design to abate the overflows in the area consists of the following:

- Install a 24-inch stormwater sewer from a point just east of the Hatch and Crehange Street intersection to Onondaga Creek
- Disconnect sanitary sewer pipeline from CSO 061 outfall and abandon the outfall pipe and discharge point.
- Install new stormwater outfall at Onondaga Creek and connect the new storm sewer pipeline.
- Remove connections from catch basins to sanitary sewer pipe and reconnect to new stormwater sewer pipe.

Design of the project is underway and it is anticipated that it will advance to the bidding and construction phase during 2016.



Green Projects Update

Several Save the Rain projects progressed through planning and design during the first quarter of 2016.

The design for the Green Separation in CSO 052 project neared finalization during the first quarter. The 90% design was submitted to the County and City with 100% design and advertisement expected during the beginning of the second quarter. Construction for this very important Save the Rain project is slated to begin in early summer 2016 with completion by the end of the year. The project consists of a new stormwater management facility on the former Garzone's Restaurant property to manage ponding on-site as well as additional stormwater from Cornell Avenue and South Avenue. A separate storm sewer will also be constructed on Mitchell Avenue between South Avenue and Armstrong Place that will capture road runoff from Mitchell Avenue. The proposed project will provide the dual benefit of managing stormwater runoff in CSO 052 and reducing localized flooding episodes in the neighborhood.

The design of the State Street Green Corridor progressed during the first quarter. The project is funded in part by a Water Quality Improvement Project grant from the NYSDEC and consists of the installation of several green infrastructure practices along State Street in three different segments: Taylor Street to Adams Street, Fayette Street to Water Street, and James Street to Salina Street. The 90% design is currently under review by the County and City review team and expected to be finalized in the second quarter. Construction of this project is expected to begin during the month of May with an expected completion by the end of 2016.

The design of the CSO 060/077 green street candidate projects was advanced during the first quarter. These candidates include potential projects on McKinley Avenue, East Colvin Street, Roney Lane, Comstock Avenue, Lancaster Avenue, and Ackerman Avenue. The 50% design was completed at the end of the first quarter. Concurrent reviews by the County and City are ongoing with preliminary public outreach planning underway. The second quarter will feature targeted public outreach for the projects slated for construction in 2016 and finalization of the design based on review comments.

The Green Planning Committee (GPC) continues to make progress on strategic planning of public green infrastructure projects. Design RFPs for the CSO 067 candidates were received in the first quarter with selection and procession to the design phase expected in the second quarter. These include projects at McKinley Park, along Newell Street at Vale Street, and at a City-owned vacant lot on Newell Street. The GPC is also working with the County and City on the development of additional project candidates in CSO 052 for implementation in 2016. Preliminary discussions by the GPC with the County and the City on a green infrastructure approach for CSO 029 began in the first quarter, with the expectation of the development of a plan of action sometime during 2016.

Save The Rain Clean The Lake Joanne M, Mahoney County Executive

FACT SHEET Green Separation CSO 052 South & Mitchell Avenues

Project: Project Owner:	Green Separation CSO 052 City of Syracuse	
Project Location:	2426 South Avenue and Mitchell	
	Ave. between South Ave. and	
	Armstrong Pl.	
Sewershed/CSO:	Midland / 052	
GI Technologies:	Detention/Slow Release, Infiltration,	
	and Storm Sewer Separation	
Capture Area:	140,700 sq. ft. (Mitchell Avenue)	
	890,400 sq. ft. (Detention Basin)	
Runoff Reduction:	1,241,900 gal/yr (Mitchell Avenue)	
	2,539,300 gal/yr (Detention Basin)	
Year Contracted:	2016	
Bid Cost:	TBD	
Prime Contractor:	TBD	

Project Description: The Green Separation of CSO 052 Project will be accomplished through the collaborative efforts of Onondaga County and the City of Syracuse. Historically, the area around the proposed detention basin has been prone to severe flooding throughout the year. This is due, in part, to years of illegal dumping that impacted the natural surface and groundwater flow patterns. The County and the City have partnered to help limit this problem through the installation of a slow-release stormwater detention basin and infiltration. Additionally, the County is undertaking a storm sewer separation project on Mitchell Avenue to separate stormwater from the existing combined sewer system.

The primary goal of the project is to reduce the volume of stormwater that flows into the combined sewer system along South, Cornell, and Mitchell Avenues, all within CSO 052. The secondary goal is to reduce the level of flooding experienced in this area. The new detention/slow release facility will be constructed on property owned by the City of Syracuse and will capture runoff from South and Cornell Avenues as well as from the City's property, totaling 890,400 square feet of drainage area. The facility will have the capacity to store 1,155,700 gallons of stormwater during rain events. Stormwater will be slowly released to the Armstrong Place sewer system. It is expected that the detention/slow release facility will improve the stormwater management and drainage in this area and lessen the effects of flooding onto residential properties that adjoin the City-owned property.

Additionally, runoff from 140,700 square feet of drainage area along Mitchell Avenue will be collected in a new storm sewer system and directed to an underground infiltration basin with an annual runoff reduction volume of approximately 1,241,900 gallons, totaling 3,781,200 gallons per year for the full project.



Example of Residential Flooding



Green Separation Project Drainage Area

Version 3/30/2016



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FACT SHEET Green Streets in CSO 060/077 Sewershed

Project Description: The Green Streets Project in CSO o6o/077 is a comprehensive green street application on multiple streets within the CSO o6o/077 sewershed. CSO o6o/077 is a high priority sewershed that discharges frequently during rain events. The candidates for green streets are listed below with capture area and runoff reduction estimates:

- <u>McKinley Avenue</u> Capture Area: 136,508 sq. ft. Runoff Reduction: 1,130,000 gal/yr
- <u>Roney Lane</u> Capture Area: 121,303 sq. ft. Runoff Reduction: 1,190,000 gal/yr
- <u>East Colvin Street</u> Capture Area: 105,790 sq. ft. Runoff Reduction: 920,000 gal/yr
- <u>Comstock Avenue</u> Capture Area: 807,144 sq. ft. Runoff Reduction: 3,700,000 gal/yr
- <u>Ackerman Avenue</u> Capture Area: 462,636 sq. ft. Runoff Reduction: 4,380,000 gal/yr
- <u>Lancaster Avenue</u> Capture Area: 486,474 sq. ft. Runoff Reduction: 3,320,000 gal/yr

In 2016, the candidates will proceed to detailed design. This project is intended to demonstrate green infrastructure applications at key points along these streets in order to capture stormwater and enhance local urban streetscapes.

The project is proposed to incorporate tree plantings in the right-of-way, the installation of infiltration trenches underneath the roadway, tree planters, traditional bioretention, and rain garden measures throughout project boundaries.

Version 3/30/2016

Project: Project Owner: Project Location:

Sewershed:

GI Technologies:

Capture Area :

Bid Price:

Runoff Reduction:

Year Contracted:

Prime Contractor:

CSO:

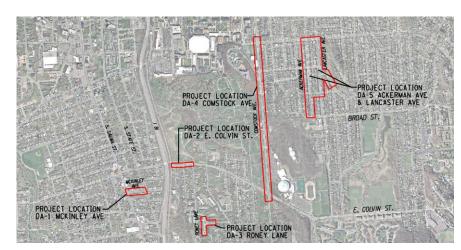
E Colvin St. between Benedict Ave. and I-81. Comstock Ave. between E. Colvin St. and Euclid Ave. Ackerman Ave. between Euclid and Kensington Lancaster Ave. between Euclid and Kensington Midland 060/077 Bioretention, Bioswales, Infiltration Trenches 1,965,255 sq.ft. (total, all areas) 14,640,000 gal/yr (total) Estimated 2016 TBD TBD

CSO o6o/o77 Green Streets

McKinley Ave. between S. Salina St. and S. State St.

Rony Ln. at Smith Ln.

City of Syracuse



Project Locations (Red Boxes)



Example Rain Garden, State Street

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Save The Rain Clean The Lake

FACT SHEET State Street Green Corridor

Project Description: The State Street Green Corridor project is a comprehensive green street application located on S. State St. between Burt St. and E. Adams St, between E. Fayette St. and E. Water St. and along N. State St. between James St. and N. Salina St. This project is intended to demonstrate green infrastructure applications at key points along the State Street corridor to capture stormwater and enhance the urban streetscape in this area.

The project will incorporate enhanced tree plantings in the right-of-way, porous pavers in parking lanes, infiltration trenches and planters, and traditional landscape bioretention measures and features throughout project boundaries along the State Street corridor.

Additionally, parking bump-outs will be installed at key intersections to enhance the pedestrian space in those areas and provide greater definition of parking lanes. This project will be funded in part by the NYSDEC through their Water Quality Improvement Project (WQIP) Program. In 2015, the County received a WQIP grant of \$1.8 million for the project.

Project:	State Street Green Corridor	
Project Owner:	Onondaga County	
Project Location:	State Street Corridor between	
	Taylor St. and N. Salina St.	
Sewershed:	Clinton/Lower MIS	
CSO:	021, 027, 034, 080A	
GI Technologies:	Bioretention, Bioswales,	
	Porous Paver Parking Areas	
Capture Area:	465,015 sq. ft.	
Runoff Reduction:	5,830,000 gal/yr	
Year Contracted:	Estimated 2016	
Bid Price:	TBD	
Prime Contractor:	TBD	



Example Porous Pavers to be Installed Along State Street



Project Locations (Red Boxes)

Version 3/28/2016



GREEN IMPROVEMENT FUND

Green Improvement Fund Update

The Green Improvement Fund (GIF) application period has been closed since December 2015 to complete our annual assessment of the priority areas for GIF funding in the coming year. The application period will reopen during the second quarter and the 2016 application document, the revised calculator spreadsheet, and the updated funding priority area map based on the 2015 SWMM model calibration will be posted on the Save the Rain website. The week prior to reopening, a public meeting will be held to discuss the upcoming year of the program, any changes to the application, and to address questions of potential applicants, design professionals, and the general public.

The first quarter of 2016 included two GIF Review Committee Meetings and the progression of a variety of GIF projects through the committee review phase to the award phase. Several projects currently in the implementation phase are expected to advance to completion in the coming construction season.

Projects Completed	79
Contract/Implementation Phase	23
Projects in Award Phase	16
Applications Under Review	2
Inactive/Ineligible	34
Total Applications Received	154

Green Improvement Fund Summary (as of 3/31/16)

METRO WWTP PHOSPHORUS PROJECTS/TMDL/AMBIENT MONITORING PROGRAM UPDATE

ACJ Quarterly Status Report - 1st Quarter 2016

Metro WWTP Projects

Metro WWTP Phosphorus Optimization Project

This project is currently in the design phase by GHD Consulting Engineers. The Basis of Design has been completed and submitted for regulatory review. Project construction is expected to be completed in 2018.

Ambient Monitoring Program (AMP)

2015 Tributary Compliance Assessment

Several segments of Onondaga Lake's tributary streams are included in the 2014 NYSDEC compendium of impaired waters (http://www.dec.ny.gov/chemical/31290.html). NYSDEC places waterbodies on this list when there is evidence that water quality conditions do not meet applicable water quality standards and/or the water bodies do not support their designated use. The regulatory goal of the ACJ is to bring segments of the Onondaga Lake tributaries affected by Onondaga County's municipal discharges into compliance with designated best uses pursuant to 6 NYCRR (New York Code, Rules and Regulations) Parts 701 and 703. As outlined in the ACJ, specific NYS water quality standards and guidance values that will be used to assess the extent to which these actions are successful include the following:

- Dissolved Oxygen: 6NYCRR Sec. 703.3
- Ammonia: 6 NYCRR Sec. 703.5
- Phosphorus: 6 NYCRR Sec. 703.2
- Nitrogen: 6 NYCRR Sec. 703.2
- Bacteria: 6 NYCRR Sec. 703.4
- Floatable Solids: 6 NYCRR Sec. 703.2
- Turbidity: 6 NYCRR Sec. 703.2

In addition to these parameters, compliance with the Water Quality Standards & Guidelines (NYSDEC Technical Operational Guidance Series 1.1.1) is also evaluated for the CSO affected tributaries. The County's AMP tributary sampling program includes sites upstream and downstream of CSOs and urban segments of the sub-watersheds at the following stations:

- Harbor Brook (at Hiawatha Boulevard and Velasko Road)
- Ley Creek (at Park Street)
- Onondaga Creek (at Kirkpatrick Street and Dorwin Avenue)

Section §703.4 of the NYSDEC Water Quality Regulations provides the total and fecal coliform standards for classes B, C, D, SB, SC and I to be met during all periods: (1) when disinfection is required for SPDES permitted discharges directly into, or affecting the best usage of, the water; or (2) when the department determines it necessary to protect human health. As part of the 2015 Annual AMP, the CSO tributaries continued to be sampled on a biweekly basis from January through December, supplemented by sampling conducted during runoff events. Fecal coliform samples are collected five times per month at each of the AMP Tributary sampling sites to support compliance evaluations, which are limited to the

April through October disinfection period as specified in the Metro SPDES permit requirements. The 2015 tributary data indicate that the CSO tributaries were generally in compliance with the ambient water quality standards (AWQS) for most parameters. The primary exceptions in meeting AWQS in these tributaries were fecal coliform (FC) bacteria and total dissolved solids (TDS). The concentration of TDS, primarily reflects the concentrations of the major cations and anions (calcium, sodium, magnesium, bicarbonate, potassium, chloride and sulfate). The AWQS for TDS (500 mg/L) is routinely contravened at all of the AMP tributary monitoring sites, and often by a wide margin. Contravention of this standard is primarily associated with the natural hydrogeology of the watershed and not with anthropogenic effects.

Several parameters have narrative standards only including Phosphorus, Nitrogen, Floatables and Turbidity. The AMP data supports the evaluation of water quality conditions and compliance with New York State ambient water quality standards (AWQS). The DRAFT NYS 2016 Section 303(d) List, dated January 2016, was open to Public comment through March 4, 2016.

Tributary Bacteria Compliance Summary (First Quarter 2016)

Fecal Coliform compliance was not assessed for the months of November 2015 - January 2016. As per the AMP 2015 Work Plan, five (5) Fecal Coliform samples per month at the AMP Tributary sampling sites are limited during the April to October disinfection period.

Tributary Sampling Event Summary (First Quarter 2016)

January 2016:

• Tributary Biweekly sampling events: January 5 and 20 February 2016:

• Tributary Biweekly sampling events (also qualified for "high-flow" events): February 3 and 17 <u>March 2016</u>:

- Tributary Biweekly sampling events: March 1 and 29
- Tributary Quarterly sampling event: March 15



OCDWEP AMP sampling crew (Onondaga Creek at Kirkpatrick Street)

Onondaga LAKE WATER QUALITY MONITORING

Onondaga Lake Quarterly Sampling Event Summary

No lake sampling events were conducted during the winter months from January through March 2016. The AMP has been tracking the development and extent of ice cover on Onondaga Lake since the winter of 1987. Observations for the winter of 2015-2016 indicate ice cover in the north end of the lake beginning on January 5, 2016 and lake wide ice cover was first observed on January 22, 2016. Syracuse had a mild winter and ice started breaking up on the lake on February 1, 2016, and on March 29, 2016, the lake was ice free. Routine lake sampling will resume in April.

BIOLOGICAL MONITORING PROGRAM

Sampling Event Summary (First Quarter 2016)

• No biological monitoring program related sampling events were conducted during this quarter.

The recreationally and economically significant, Largemouth Bass

Black bass (Largemouth and Smallmouth bass) support some of the most popular recreational fisheries in North America, and are some of the most important sport fish in North America; they are the most sought after sport fishes in New York and Onondaga County. The 2007 New York Statewide Angler Survey found that black bass were the favorite fish group targeted among one third of anglers, and ranking in the top five among three fourths of anglers (NYS DEC 2007).¹ Throughout the state, 4.6 million angler days were spent fishing for black bass in 2007. Largemouth Bass provide important recreational and economic opportunities. In 2007, \$7,447,320 was estimated for at-location fishing expenditures for Onondaga County and black bass were the most commonly sought species at 30.5% of angler days (NYS DEC 2007). Onondaga Lake has become an increasingly popular location for catch and release Largemouth Bass fishing (OCDWEP 2013)². It was the site for the 2007 Bass Master's Memorial Tournament and continues to support local bass fishing tournaments each year.



Largemouth Bass caught by anglers in Onondaga Lake, March 2016

References

¹New York State Department of Environmental Conservation, 2007. New York statewide angler survey. http://www.dec.ny.gov/outdoor/56020.html

²Onondaga County Department of Water Environment Protection, 2013. Growth and survival of Largemouth Bass (*Micropterus salmoides*) in Onondaga Lake,NY. Appendix F- 4, 2012 Largemouth Bass Age and Growth Report.

LEGISLATIVE/REGULATORY/ MEDIA UPDATE

Legislative/Regulatory Update

Action Items for the County Legislature (January – March)

- Calling a Public Hearing in Connection with Proposed Sewer Separation Improvements for the Onondaga County Sanitary District to Enable the County to Comply with Requirements Set Forth in the Amended Consent Judgment.
- Authorizing the Acceptance of Payment from the NY State Department of Transportation for Real Property Acquired for the Improvement of the Dickerson Street Bridge in the City of Syracuse (\$1,110).
- Approving the Revised Project Scope in Connection with Sewer Separation Improvements for the Onondaga County Sanitary District.
- Amending Bond Resolutions Adopted by the County Legislature in Connection with Sewer Separation Improvements.
- Calling a Public Hearing in Connection with Proposed Energy Conservation Projects to benefit the Onondaga County Sanitary District.

Action Items for the Environmental Protection Committee (March)

- Approving Various Energy Conservation Projects to benefit the Onondaga County Sanitary District.
- Bond Resolution Authorizing the Issuance of \$10,300,000 Serial Bonds of the County of Onondaga to Pay the Cost of Various Energy Conservation projects to benefit the Onondaga County Sanitary District.
- Approving a Revised List of Green and Innovative Projects Located Outside the Amended Consent Judgment Area as Outline in Local law 1-2011 for the Purpose of Mitigating Inflow and Infiltration of Stormwater into the Consolidated Sanitary District Sewer System.

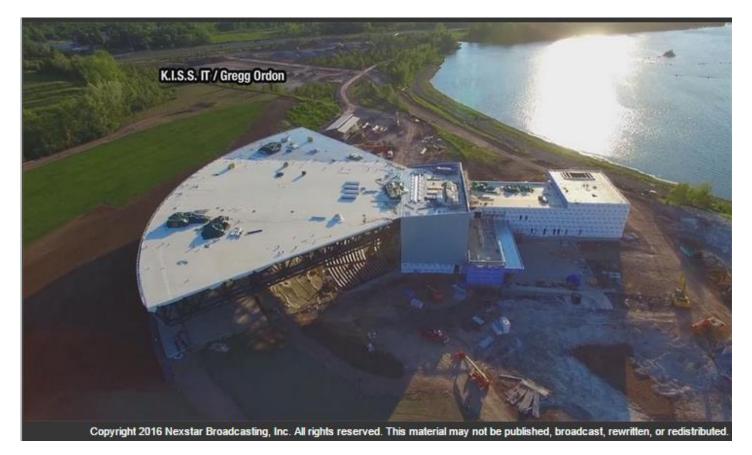


Onondaga County approves \$1.7M plan to build docks on Onondaga Lake

The county plans to begin construction in the Spring and completed by mid-summer

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Updated 02/11 2016 06:15PM



SYRACUSE (WSYR-TV)

On Thursday, the Onondaga County Legislature approved a \$1.7-million project to build docks and piers on Onondaga Lake.

Last year, dozens of families pulled up to the Miranda Lambert concert by boat and Joanie Mahoney says they plan is to encourage even more Central New Yorkers to enjoy the water.

The plan includes 30 to 40 slips for boats to dock at Lakeview Park, a boat launch on the Seneca River with 60 additional parking spaces, and the DEC plans on building another boat launch on the Westside of the lake.

"Things are going very well, they're going very quickly, and before you know it there's gonna be constant activity on Onondaga Lake," said County Executive Joanie Mahoney.

Mahoney says they're still discussing whether there will be a price to park the boat during events but for the bulk of the time it'll be a free amenity through county parks.

Mahoney says it'll be funded with \$950,000 from the Honeywell settlement and \$750,000 from a state grant.

The county plans to begin construction in the Spring and completed by mid-summer.

The Post-Standard



County wants \$1.7M for docks, piers on Onondaga Lake, including at amphitheater



A barge carrying a load of sand mixture moves across the lake. Onondaga County plans to construct several new boating docks on the lake this spring. (Michael Greenlar | mgreenlar@syracuse.com)



By <u>Chris Baker | cbaker@syracuse.com</u> <u>Follow on Twitter</u> on February 11, 2016 at 11:33 AM, updated February 11, 2016 at 11:40 AM <mark>⊕</mark> Print ⊡•Email

SYRACUSE, N.Y. -- Onondaga County plans to build several new docks on Onondaga Lake this spring, including a pier at the <u>Lakeview Amphitheater site</u>.

A proposal in front of the county legislature today would allocate \$1.7 million to build a boat launch at Onondaga Lake Park and a pier with docking for 20 to 30 boats at Lakeview Park.

The goal of the project is to provide increased public access to the lake, said Legislature Chairman Ryan McMahon.

The pier at the amphitheater site would connect directly to the West Shore bike trail and, therefore, the Lakeview Amphitheater. There will be no usage fee, initially, and the dock will be lit.

"It would be something where you can drop people off" for concerts, McMahon said.

The boat launch at Onondaga Lake Park would be located on the east bank of the Seneca River near the current Syracuse Chargers boat house. The launch would be built to accommodate primarily kayaks and canoes and would include a parking lot with 60 spaces.

The proposal also says that the Department of Environmental Conservation is building a trailer boat launch near the Honeywell Visitor Center on the western shore of the lake.

If approved, construction on the projects will begin in spring and be completed by mid-summer.

The money will come from a state grant (\$750,000) and from a settlement with Honeywell (\$950,000), McMahon said.

The legislature will vote on the resolution today at a <u>special session</u> today.

Also on the legislature's docket for today:

- Discussion of terms and conditions for a <u>CSEA union contract</u>
- Earmarking \$25,000 for improvements on Whedon Road in Onondaga
- Establishing a committee for <u>deer and tick reduction program</u> management

The Post-Standard



Photographer's journal: An outsider's perspective on Onondaga Lake



A photo-composite shows old docks from a postcard placed in a current day photograph of the Onondaga Lake Park marina. The view is looking back from just beyond the C Wall docks.



By <u>Scott Schild | sschild@syracuse.com</u> <u>Follow on Twitter</u> on February 16, 2016 at 1:48 PM, updated February 16, 2016 at 1:49 PM Print 🗠 🗠

Note: This

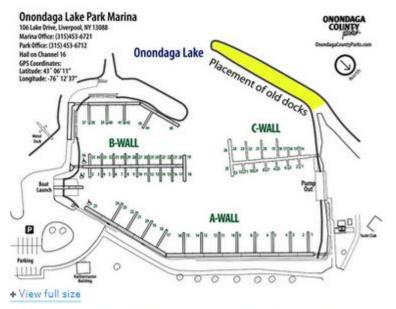
feature, formerly known as Photographer's Journal, previously appeared on syracuse.com in 2013.

SYRACUSE, N.Y. — Since relocating to the Syracuse area I have taken an interest in Onondaga Lake. As a native of Long Island I grew up on the water -- not questioning the quality - just going in. I found an old post card of the Onondaga Lake Park marina, it is drawn, not a photograph, so we are led to believe the lake was heavily used in its most polluted state.

Was it? Please share your stories in the comments.

I also stumbled upon broken pieces of plates and cups next to the Yacht Club, a reminder of the past industry, and of Syracuse China, now producing in, you guessed it, China.

Exploring the current state of Onondaga lake, it seems our improved but not completely up to capacity water treatment plant is the biggest problem. With that said, more improvements would most likely mean taxes going up, and nobody wants that. Most people I talk to would never dream of swimming in the lake, but as an outsider I look forward to it and the boost it would bring to our economy.



The view of the postcard and composite was taken from the yellow highlighted section of the marina. Map from the Onondaga County Parks Website.

Scott Schild | sschild@syracuse.com

People most reference mercury in the fish, and how we can not eat them, but Onondaga Lake is not alone in this. According to the <u>New York Department of Health</u> mercury is the main concern also in the Adirondacks, lakes you would never guess are in trouble.

<u>Steve Effler with the Upstate Freshwater Institute</u> gave the lake an all clear for swimming in a 2011 report from News Channel 9.



Where Syracuse used to eat: Read menus from Caroma, The Villa and more

Vintage menus from Caroma, McCarthy's, The Villa and others show what Syracuse used to eat.

The Post-Standard



Thanks to cold snap, now is best time to see bald eagles on Onondaga Lake



Eagles at Onondaga Lake in Syracuse The eagles have returned to Onondaga Lake near Destiny USA in Syracuse.

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		10.24	

By <u>David Figura | dfigura@syracuse.com</u> <u>Follow on Twitter</u> on February 19, 2016 at 2:51 PM, updated February 19, 2016 at 4:31 PM



Syracuse, N.Y. It hasn't been the best of winters to see bald eagles on Onondaga Lake. That's because the lake has remained unfrozen most of the time. However, the cold snap the past week has changed things. Most of the lake is now frozen. As a result, this weekend could be the best bet for bird watchers and wildlife photographers to see eagles at the southeastern end of the lake near the Destiny USA Mall.

The Creek Walk is a prime viewing spot.

This past Sunday, Greg Craybas, a Syracuse dentist and wildlife photographer was over by the unfrozen area of water on the lake near the Metropolitan Syracuse Waste Water Treatment plant. Each winter, as other waterways freeze up across the area, waterfowl congregate there. In addition, there's a host of gizzard shad and other fish from the lake that school into the area because of the warmer water temperatures.

For the eagles, concentrated waterfowl and lots of fish mean only one thing -- food.



The bald eagles congregate at the southeast corner of Onondaga Lake for one big reason -- food.

Dennis Nett | dnett@syracuse.com

"I photographed them last Sunday morning at minus 21 below zero," he said Wednesday. "The eagles were returning in increasing numbers. There were nine eagles (there) on Sunday. It was very challenging conditions as the ice had just formed overnight. If the temperatures stay low, we will hopefully see the wintering eagle population increasing with arrival of diving waterfowl."

Chris Lejewski, director of the Montezuma Audubon Center in Savannah, said the warmerthan-usual temperatures in the past couple of months has resulted in open water in small lakes, marshes and rivers across the area. The result is more opportunities for eagles to feed elsewhere. "It's been a slow winter, bald-eagle wise, on Onondaga Lake. The birds aren't congregating like they normally do," he said. "However, if we continue to have regular cold weather, Onondaga Lake is one of the best spots in the whole region to see our national bird."

Last year, there were reports of 25 birds of more in the trees along the shoreline, and on the ice.

This time of year, Lejewski said, is also a great time to witness an interesting eagle behavior.

"Eagles are courting this time of year. Sometimes, they will get their talons tangled in mid-air and spiral toward the ground, and at the last minute release each other and fly back into the air. It's quite a spectacular sight," he said. "I've seen them feed each other in the air. One eagle will have a fish in its talons and toss it into the air, allowing its mate to grab it."



A pair of eagles grab each other's talons in mid-air as part of a courtship ritual.

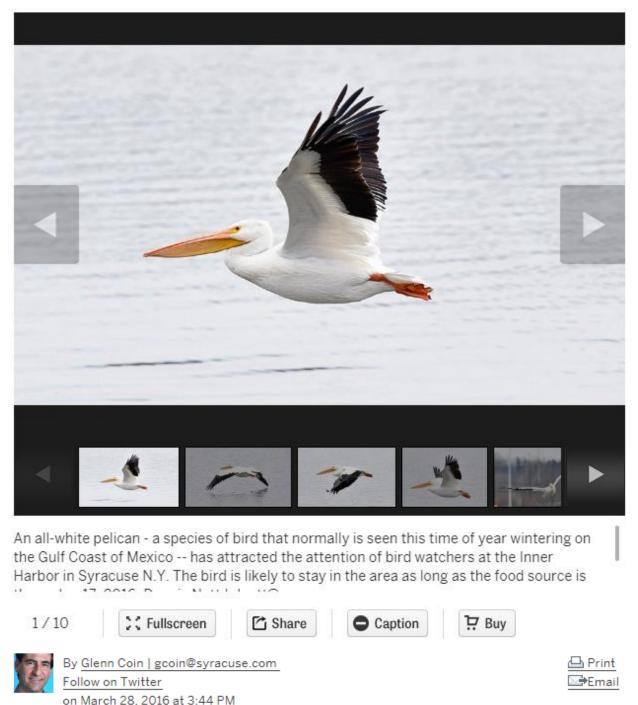
Stephen D. Cannerelli \ scannerelli@syracuse.com

In addition to the Creek Walk, Lejewski also recommended eagle watchers should check out the lake's West Shore Trail and over by the lake's outlet.

The Post-Standard



Local photographers to display images of migrating birds at Onondaga Lake



Syracuse, N.Y. -- Local photographers this weekend will display images of migrating birds that stopped at Onondaga Lake.

The exhibit, "Onondaga Lake: An Important Stop for Birds on an Impressive Journey," will be Saturday and Sunday at the Honeywell Onondaga Lake Visitors Center, along the southwest shore of the lake.

The Onondaga Lake Conservation Corps is hosting the photography exhibit with Audubon New York and Honeywell, which is in the midst of <u>a \$451 million cleanup</u> of the lake.

The exhibit is free and open to the public. Hours are 9 a.m. to 4 p.m. Saturday and 1 to 4 p.m. Sunday. Photographers will be at the exhibit to answer questions.

"Onondaga Lake was named an important bird area because it provides critical habitat for migratory and overwintering species of the Atlantic Flyway," Erin Crotty, executive director of Audubon New York, said in a statement.

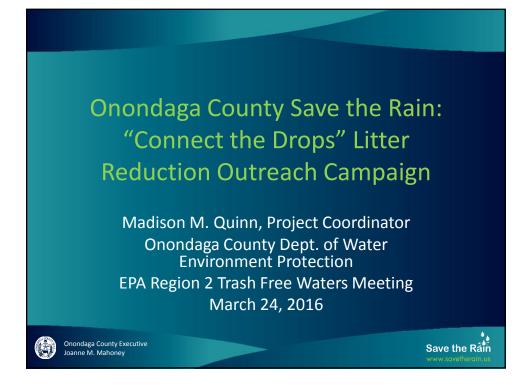
Onondaga Lake is a priority Audubon Important Bird Area and a stop for migratory birds along the Atlantic Flyway.

More than 85 unique bird species have been identified in and around Onondaga Lake, including several species categorized as threatened or of special interest in New York, Audubon said.

Directions to the visitors center:

From the west: Take I-690 East to Exit 7, turn left onto State Fair Boulevard, take the first left passing under I-690, drive straight toward the lake and follow signs to the Onondaga Lake Visitors Center.

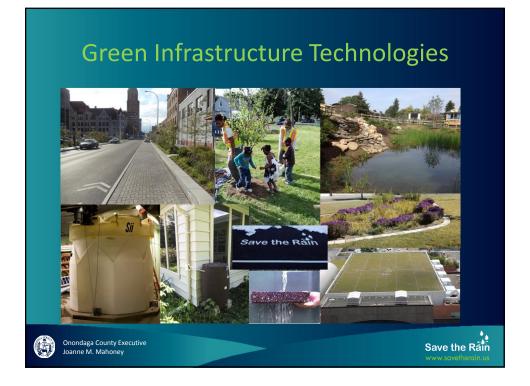
From the east: Take I-690 West to Exit 7, turn right at the off ramp and follow signs to the Onondaga Lake Visitors Center.







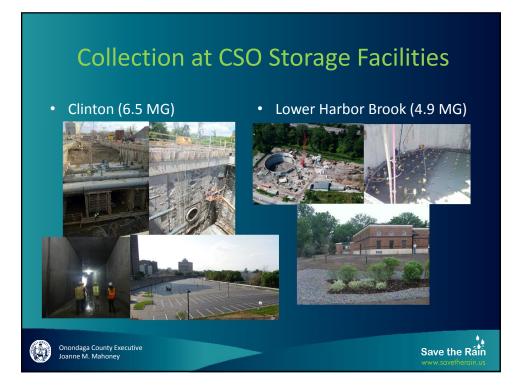




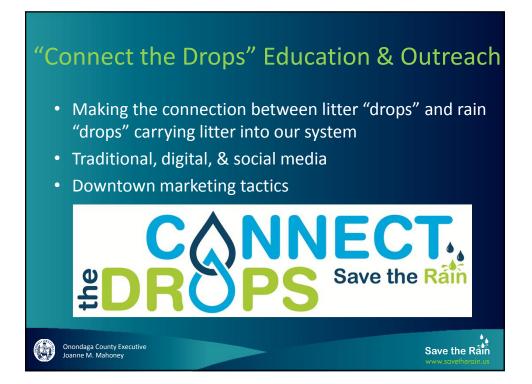


Removing Trash from Waterways









"Connect the Drops" Education & Outreach

- Traditional, digital, & social media
- Downtown marketing tactics targeting pedestrians – including trash can wraps and signage
- Exploring sidewalk art & rain activated messages

Onondaga County Executive Joanne M. Mahoney









Connect the Drops & Trash Free Waters

Save the Rain

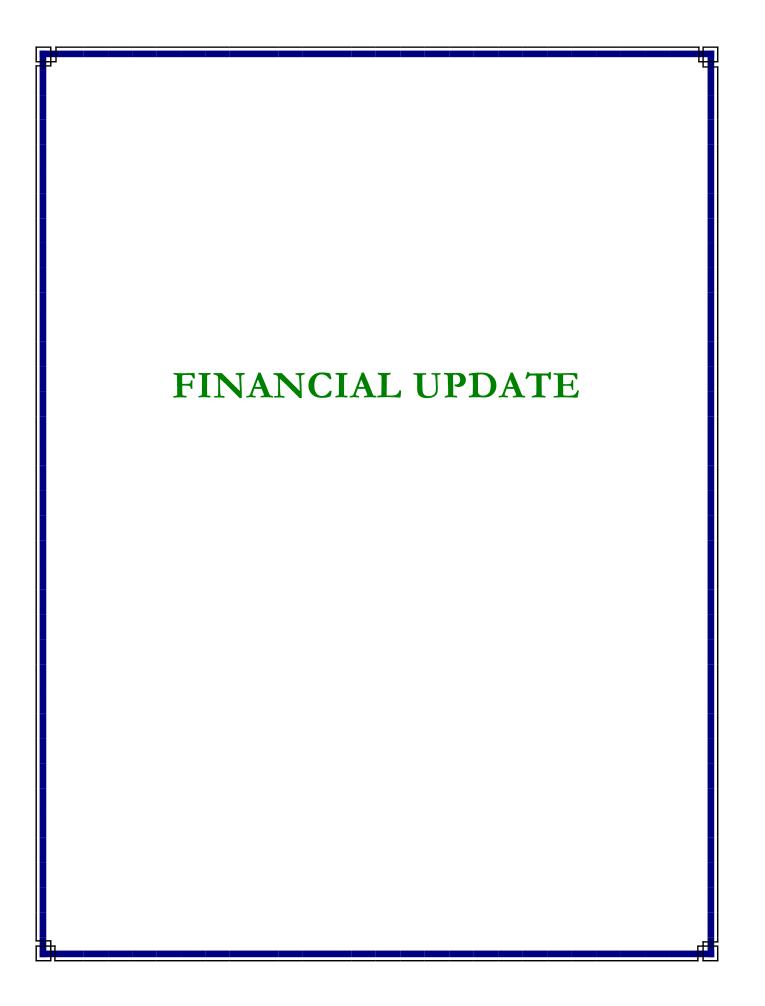
NNECT.

Save the Rain

- Connect the Drops materials will be available on the Save the Rain website
- Seeking additional funding sources to advance trash free waters messaging through Connect the Drops campaign

Onondaga County Executive Joanne M. Mahoney





Financial Update

Contracts

New Contracts

- Village Intermunicipal Agreements (IMAs)
- Contracts with Villages in the Consolidated Sanitary District for reimbursement of village sewer infrastructure upgrades and repair.
- Contract Amount: \$120,000.

•	Village of North Syracuse	Executed: 12/28/15.
•	Village of Baldwinsville	Executed: 1/19/16.

• Village of Baldwinsville

Suburban Green Improvement Fund

- Contract with the Town of Cicero for reimbursement of sewer improvements in the Brewerton service area.
- Contract Amount: \$225,000.
- Contract with the Town of Geddes for reimbursement of sewer improvements in the S. • Geddes sewer district.

Executed: 3/4/16.

• Contract Amount: \$178,000. Executed: 3/4/16.

Green Improvement Fund

- Contract with 538 Erie Boulevard West, LLC for reimbursement of green improvements • in the Clinton sewershed.
- Contract Amount: \$87,950. Executed: 1/19/16.
- Contract with Richmond UAS Properties, LLC for reimbursement of green improvements in the Clinton sewershed.
- Contract Amount: \$299,200. Executed: 1/19/16.

• Save the Rain Education & Outreach

- Contract with Pinckney Hugo Group, LLC. For development and promotion of Save the Rain Outreach & Litter Reduction campaign.
- Contract Amount: \$200,000. Executed: 1/19/16.

Amendments to Existing Contracts

- Green Improvement Fund
- Contract with the All Times Publishing (The Syracuse New Times) amended for additional reimbursement of green improvements in the Harbor Brook sewershed.
- Amendment Amount: \$16,100. Executed: 2/12/16.

Save the Rain Outreach & Education •

Contract with the Baltimore Woods Nature Center amended for continuing education • program for 2016.

- Amendment Amount: \$46,665. Executed: 1/18/16.
- Environmental Monitor
- Contract with the CNY Regional Planning & Development Board amended for three (3) additional years of ACJ-required environmental monitor.
- Amendment Amount: \$281,396. Executed: 1/19/16.

Change Orders

- Harbor Brook CSO 018 Wetlands Project
- Contract with Patricia Electric, Inc. amended to additional costs of installing conduit seal-offs.
- Change Order Amount: \$3,331.33. Executed: 2/2/16.

Funding

Grants

State Bond Act Funds

- Reimbursements **requested**: None
- Reimbursements received: None

Federal EPA Funds

- Reimbursements **requested**: None
- Reimbursements **received:** None

Federal Army Corps of Engineers Funds

- Reimbursements requested: None
- Reimbursements received: None
- <u>GIGP Grants</u>
 Requested: None
 Received: None

EFC Reimbursements Requested:

LT HB for \$678,505.88 on 2/5/16 LT Midland for \$61,470.82 on 2/5/16

EFC Reimbursements Received:

LT HB for \$678,505.88 on 2/22/16 LT Midland for \$61,470.82 on 2/16/16

Total reimbursement monies received to date through EFC loans for the funded ACJ projects: \$247,603,598 (short term) and \$116,031,639 (long term).

Onondaga County Lake Improvement Project

4th Stipulation of the ACJ Clinton/Lower MIS CSO Improvements Summary of Current and County Authorizations

Erzesci/1 askLine item Total Proposed Budget 1/16 Remaining Clinton Street CSD Facility Planning (Original) \$ 751,266 \$ 751,266 \$ 751,266 \$ 751,266 \$ Clinton Street CSD Conveyances Project Contract No. 1 - Phase 1 Conveyances (Delaney) \$ 14,478,053 \$ 14,478,053 \$ Contract No. 2 - Phase 2A Conveyances (Delaney) \$ 4.074,455 \$ 21,280,000 \$ 21,2816 \$ 21,280 \$		Total Project Costs								
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Engineering Services (Ch2MHill) \$ 91,211 \$ 91,186 \$ Engineering Services (TBD) Floatables Arcadis \$ 782,032 \$ 12,816 \$ 765 County Administration and Other Costs \$ - \$ \$ 3,973,243 \$ 104,001 \$ 3,865 Clinton/Lower MIS Green Implementation Program \$ 3,973,243 \$ 104,001 \$ 3,865 Clinton/Lower MIS Green Implementation Program \$ 3,8508,611 \$ 29,435,455 \$ 9,077 Chatter Construction Contracts incl. GIF Public/Private \$ 38,508,611 \$ 29,435,455 \$ 9,077 Chatter Construction Contracts incl. GIF Public/Private \$ 38,508,611 \$ 29,435,455 \$ 9,077 Chatter Construction Contracts incl. GIF Public/Private \$ 38,508,611 \$ 29,435,455 \$ 9,077 Program Management (CDM/C&S) \$ 11,339,459 \$ 4,560 \$ 9,077 \$ \$ 13,632 Program Management for Facility Plan (CDM/C&S) \$ \$ \$ 3,636	Facility Plan for CSOs 027 & 029									
Engineering Services (TBD) Floatables Arcadis \$ 782,032 \$ 12,816 \$ 765 County Administration and Other Costs \$ - \$ \$ - \$ Facility Plan Subtotal \$ 3,973,243 \$ 104,001 \$ 3,865 Clinton/Lower MIS Green Implementation Program Construction Contracts incl. GIF Public/Private \$ 38,508,611 \$ 29,435,455 \$ 9,073 Ch2MHill Program Management & Engineering \$ 16,900,000 \$ 11,339,459 \$ 4,566 Green Subtotal \$ 54,408,611 \$ 40,774,914 \$ 13,633 Program Management CDM/C&S) \$ - \$ - \$ - Project Management for Facility Plan (CDM/C&S) (2) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Construction Estimate	\$	3,100,000			\$	3,100,000			
County Administration and Other Costs \$ - \$ Facility Plan Subtotal \$ 3,973,243 \$ 104,001 \$ 3,865 Clinton/Lower MIS Green Implementation Program Construction Contracts incl. GIF Public/Private \$ 38,508,611 \$ 29,435,455 \$ 9,073 Ch2MHill Program Management & Engineering \$ 15,900,000 \$ 11,339,459 \$ 4,566 Program Management Frogram Management (CDM/C&S) \$ 54,408,611 \$ 40,774,914 \$ 13,633 Project Management for Facility Plan (CDM/C&S) (2) \$ - \$ - \$ \$ Miscellaneous County Costs \$ - \$ - \$ \$ 901 Legal \$ 301,334 \$ 226,334 \$ 75 \$ Other \$ 310,738 \$ 740,023 \$ \$ 426 Consulting (John Clare & Mezey) \$ 310,738 \$ 740,023 \$ \$ 4426 Contingency Miscellaneous Subtotal \$ </td <td>Engineering Services (Ch2MHill)</td> <td>\$</td> <td>91,211</td> <td>\$</td> <td>91,186</td> <td>\$</td> <td>25</td>	Engineering Services (Ch2MHill)	\$	91,211	\$	91,186	\$	25			
Facility Plan Subtotal \$ 3,973,243 \$ 104,001 \$ 3,869 Clinton/Lower MIS Green Implementation Program \$ 38,508,611 \$ 29,435,455 \$ 9,073 Construction Contracts incl. GIF Public/Private \$ 38,508,611 \$ 29,435,455 \$ 9,073 Ch2MHill Program Management & Engineering \$ 15,900,000 \$ 11,339,459 \$ 4,560 Program Management Green Subtotal \$ 54,408,611 \$ 40,774,914 \$ 13,633 Program Management (CDM/C&S) Program Management Subtotal \$ - \$ - \$ - \$ - Miscellaneous County Costs Program Management Subtotal \$ -	Engineering Services (TBD) Floatables Arcadis	\$	782,032	\$	12,816	\$	769,216			
Clinton/Lower MIS Green Implementation Program \$ 38,508,611 \$ 29,435,455 \$ 9,073 Construction Contracts incl. GIF Public/Private \$ 38,508,611 \$ 29,435,455 \$ 9,073 Ch2MHill Program Management & Engineering \$ 15,900,000 \$ 11,339,459 \$ 4,566 Green Subtotal \$ 54,408,611 \$ 40,774,914 \$ 13,633 Program Management Project Management (CDM/C&S) \$ - \$ - \$ - Project Management for Facility Plan (CDM/C&S) \$ - \$ - \$ - \$ - Miscellaneous County Costs \$ 3,726,350 \$ 3,726,350 \$ 3,726,350 \$ - Land Acquisition \$ 4,861,000 \$ 3,959,746 \$ 901 Legal \$ 126,115 \$ 350,857 \$ (224) Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 750 Debt \$ 234,885 \$ 803,5933 \$ (566) Other \$ 310,738 \$ 740,023 \$ 485 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 244 \$ 185,500,042 \$ 169,017,223 \$ 16,482	County Administration and Other Costs	\$	-			\$	-			
Construction Contracts incl. GIF Public/Private \$ 38,508,611 \$ 29,435,455 \$ 9,073 Ch2MHill Program Management & Engineering \$ 15,900,000 \$ 11,339,459 \$ 4,560 Green Subtotal \$ 54,408,611 \$ 40,774,914 \$ 13,633 Program Management Frogram Management (CDM/C&S) \$ - \$ - \$ - Project Management for Facility Plan (CDM/C&S) (2) \$ - \$ - \$ - \$ - Miscellaneous County Costs \$ 3,726,350 \$ 3,726,350 \$ 3,726,350 \$ 3,726,350 \$ - Land Acquisition \$ 4,861,000 \$ 3,959,746 \$ 901 Legal \$ 126,115 \$ 350,857 \$ (222) Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 75 Debt \$ 310,738 \$ 740,023 \$ (425) Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243	Facility Plan Subtotal	\$	3,973,243	\$	104,001	\$	3,869,242			
Construction Contracts incl. GIF Public/Private \$ 38,508,611 \$ 29,435,455 \$ 9,073 Ch2MHill Program Management & Engineering \$ 15,900,000 \$ 11,339,459 \$ 4,560 Green Subtotal \$ 54,408,611 \$ 40,774,914 \$ 13,633 Program Management Frogram Management (CDM/C&S) \$ - \$ - \$ - Project Management for Facility Plan (CDM/C&S) (2) \$ - \$ - \$ - \$ - Miscellaneous County Costs \$ 3,726,350 \$ 3,726,350 \$ 3,726,350 \$ 3,726,350 \$ - Land Acquisition \$ 4,861,000 \$ 3,959,746 \$ 901 Legal \$ 126,115 \$ 350,857 \$ (222) Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 75 Debt \$ 310,738 \$ 740,023 \$ (425) Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243										
Ch2MHill Program Management & Engineering \$ 15,900,000 \$ 11,339,459 \$ 4,560 Green Subtotal \$ 54,408,611 \$ 40,774,914 \$ 13,633 Program Management Project Management (CDM/C&S) \$ - \$ 54,408,611 \$ 40,774,914 \$ 13,633 Project Management (CDM/C&S) Project Management for Facility Plan (CDM/C&S) (2) \$ - \$ 5 \$ 5 Miscellaneous County Costs \$ - \$ - \$ 5 \$ 5 Land Acquisition \$ 3,726,350 \$ 3,726,350 \$ 3,726,350 \$ 126,115 \$ 350,857 \$ (224) Consulting (John Clare & Mezey) \$ 126,115 \$ 350,857 \$ (224) \$ 301,334 \$ 226,334 \$ 750 Debt \$ 301,334 \$ 226,334 \$ 750 \$ 489,863 \$ 310,738 \$ 740,023 \$ (425) Contingency Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 Miscellaneous Subtotal \$ 185,500,042 \$ 169,017,223 \$ 16,483		¢	38 508 611	¢	20 435 455	¢	9,073,156			
Program Management \$, ,				4,560,541			
Project Management (CDM/C&S) \$ - \$ \$ Project Management for Facility Plan (CDM/C&S) \$ - \$ - \$ Program Management Subtotal \$ - \$ - \$ - \$ Miscellaneous County Costs \$ 3,726,350 \$ 3,726,350 \$ - \$ Land Acquisition \$ 3,726,350 \$ 3,726,350 \$ 901 Legal \$ 126,115 \$ 350,857 \$ (224 Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 75 Debt \$ 310,738 \$ 740,023 \$ (425 Contingency \$ 489,863 \$ 485 \$ 485 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243	Green Subtotal	\$	54,408,611	\$	40,774,914	\$	13,633,697			
Project Management for Facility Plan (CDM/C&S) ⁽²⁾ \$ - \$ - \$ Program Management Subtotal \$ - \$ - \$ - \$ Miscellaneous County Costs \$ 3,726,350 \$ 3,726,350 \$ - \$ Land Acquisition \$ 3,726,350 \$ 3,726,350 \$ 901 Legal \$ 126,115 \$ 350,857 \$ (224 Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 75 Debt \$ 310,738 \$ 740,023 \$ (425 Contingency \$ 489,863 \$ 489 \$ 489 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243										
Program Management Subtotal \$ \$ \$ Miscellaneous County Costs × × × × Land Acquisition \$ 3,726,350 \$ 3,726,350 \$ IMA \$ 4,861,000 \$ 3,959,746 \$ 901 Legal \$ 126,115 \$ 350,857 \$ (224 Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 75 Debt \$ 234,885 \$ 803,593 \$ (566 Other \$ 310,738 \$ 740,023 \$ (425 Contingency \$ 489,863 \$ \$ 489 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ \$ 185,500,042 \$ 169,017,223 \$ 16,482		¢	_				-			
Land Acquisition \$ 3,726,350 \$ 3,726,350 \$ IMA \$ 4,861,000 \$ 3,959,746 \$ 901 Legal \$ 126,115 \$ 350,857 \$ (224 Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 75 Debt \$ 234,885 \$ 803,593 \$ (566 Other \$ 310,738 \$ 740,023 \$ (425 Contingency \$ 489,863 \$ 489,863 \$ 485 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 \$ 185,500,042 \$ 169,017,223 \$ 16,482		\$	-	\$	-		-			
Land Acquisition \$ 3,726,350 \$ 3,726,350 \$ IMA \$ 4,861,000 \$ 3,959,746 \$ 901 Legal \$ 126,115 \$ 350,857 \$ (224 Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 75 Debt \$ 234,885 \$ 803,593 \$ (566 Other \$ 310,738 \$ 740,023 \$ (425 Contingency \$ 489,863 \$ 489,863 \$ 485 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 \$ 185,500,042 \$ 169,017,223 \$ 16,482	Miscellaneous County Costs									
Legal \$ 126,115 \$ 350,857 \$ (224) Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 75 Debt \$ 234,885 \$ 803,593 \$ (566) Other \$ 310,738 \$ 740,023 \$ (426) Contingency \$ 489,863 \$ 489 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 \$ 185,500,042 \$ 169,017,223 \$ 16,482							-			
Consulting (John Clare & Mezey) \$ 301,334 \$ 226,334 \$ 75 Debt \$ 234,885 \$ 803,593 \$ (566 Other \$ 310,738 \$ 740,023 \$ (429 Contingency \$ 489,863 \$ 3486,903 \$ 243 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 \$ 185,500,042 \$ 169,017,223 \$ 16,482			, ,		, ,		901,254			
Debt \$ 234,885 \$ 803,593 \$ (566 Other \$ 310,738 \$ 740,023 \$ (425 Contingency \$ 489,863 \$ 489,863 \$ 489 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 \$ 185,500,042 \$ 169,017,223 \$ 16,482	•			φ \$			(224,742) 75,000			
Other \$ 310,738 \$ 740,023 \$ (429) Contingency \$ 489,863 \$ 489,863 \$ 489 Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 \$ 185,500,042 \$ 169,017,223 \$ 16,482				\$			(568,708)			
Miscellaneous Subtotal \$ 10,050,285 \$ 9,806,903 \$ 243 \$ 185,500,042 \$ 169,017,223 \$ 16,482		\$				\$	(429,285)			
\$ 185,500,042 \$ 169,017,223 \$ 16,482				\$	9,806,903	•	489,863 243,382			
							16,482,819			
	Authorized Budget 185,500,042									

Notes:

(1) Includes engineering costs from original Clinton RTF Project(2) CDM/C&S Project Management costs are included in the total facility plan costs

<u>Onondaga County Lake Improvement Project</u> 4th Stipulation of the ACJ Harbor Brook Drainage Basin CSO Abatement Summary of Current and Proposed Costs, and County Authorizations

	Total Project Costs										
Project/Task/Line Item	Total Proposed Budget		Expended to 3/31/16	Authorization Remaining							
Harbor Brook CSO Abatement Project											
Original Engineering Expenses	\$ 5,500,000) \$	5,500,000	\$	-						
HBIS Replacement and CSO Abatement Project											
Construction Contract No. 1 (1) (JJ Lane)	\$ 18,289,918	3 \$	23,391,425	\$	(5,101,507)						
Other Miscellaneous Work	\$ 2,482,920			\$	2,482,920						
Engineering/Construction Sevices (CDM/C&S)	\$ 2,012,615			\$	(638,700)						
County Administration and Other Costs	\$ 114,547			\$	(838,082)						
HBIS Replacement and CSO Abatement Project Total	\$ 22,900,000) \$	26,995,370	\$	(4,095,370)						
	\$ 22,500,000	φ (20,333,370	Ψ	(4,033,370)						
Lower Harbor Brook Storage & Conveyance											
Construction Estimate (with contingency)	\$ 34,502,000) \$	29,279,884	\$	5,222,116						
Engineering Services (EEA)	\$ 4,200,000) \$	3,909,979	\$	290,021						
Engineering Services (CDM/C&S)	\$ 3,390,000) \$	1,497,536	\$	1,892,464						
Project Escalation to Midpoint of Construction	\$ 2,280,000) \$	5,360,579	\$	(3,080,579)						
Lower Harbor Brook Storage & Conv Total	\$ 44,372,000) \$	40,047,977	\$	4,324,023						
Harbor Brook CSOs ECE Program											
Harbor Brook CSOs FCF Program Construction Estimate	\$ 12,000,000			\$	12,000,000						
Engineering Services (Arcadis)	\$ 1,878,731		144,843	э \$	1,733,888						
County Administration and Other Costs	\$ 1,878,73		,	գ Տ	784,700						
Project Escalation to Midpoint of Construction	\$ 400,000		10,000	φ \$	400,000						
FCF Program Total			160,143	φ \$	14,918,588						
	+	-	,	•							
Other Harbor Brook Green											
Construction Contracts incl. GIF Public/Private & Rain Barrels	\$ 9,300,000		- / /	\$	(7,033,856)						
Ch2MHill Engineering & Program Management	\$ 3,650,000		, ,	\$	(2,005,880)						
Harbor Brook Green Project Total	\$ 12,950,000) \$	21,989,737	\$	(9,039,737)						
Program Management											
Project Management (CDM/C&S)	\$ 499,269	9 \$	2,789,056	\$	(2,289,787)						
Project Management for FCF Plan Implem (CDM/C&S)	\$ -	Ψ	2,100,000	Ψ	(2,200,707)						
Program Management Total	+	• \$	2,789,056	\$	(2,289,787)						
Harbor Brook Mitigation	\$ 3,500,000)\$	3,265,000	\$	235,000						
Total Costs for Harbor Brook CSO Area under 4th Stip	\$ 104,800,000) \$	100,747,283	\$	4,052,717						

Onondaga County Lake Improvement Project

4th Stipulation of the ACJ Midland CSO Abatement Summary of Current and Proposed Costs, and County Authorizations

	Total Project Costs									
Project/Task/Line Item		Total Proposed Budget	E>	kpended to 3/31/16	Aut	thorization Remaining				
Midland Ave. RTF & Conveyances										
Midland Phase 1 Conveyances - Construction	\$	1,836,434	\$	1,836,434	\$	(0)				
Midland Phase 2 RTF & Conveyances - Construction	\$	53,372,689	\$	53,372,689	↓ \$	(0)				
Midland Demolition Contracts - Construction	\$	748,483	\$	748,483	\$	(0)				
Other Construction	φ \$	137,000	φ \$	136,342	գ Տ	658				
	φ \$					2,213,810				
Phase 1 and 2 Engineering (Parsons & EEA)		14,717,163	\$	12,503,353	\$, ,				
CME Construction Testing	\$	227,341	\$	219,815	\$	7,526				
RTF Modifications (Construction, Eng, CM, Admin)	\$	3,000,000	÷	C0 047 44C	\$	3,000,000				
Facility Plan Total	\$	74,039,110	\$	68,817,116	\$ \$	<u>5,221,994</u> 5,221,994				
CSO 044 Conveyances Project					Ψ	0,221,004				
Contract No. 6 JJ Lane	\$	12,296,549	\$	12,098,662	\$	197,887				
Construction Contingency 5%	\$	64,800	\$	-	\$	64,800				
Engineering Services (EEA)	\$	750,000	\$	729,224	\$	20,776				
Construction Management Sevices (CDM/C&S) see below	Ψ	750,000	Ψ	123,224	Ψ \$	20,770				
• • •	¢	42 444 240	¢	40 007 007		-				
Conveyances Project Total	\$	13,111,349	\$	12,827,887	\$ \$	283,462				
FOE Facility Plan					Ф	283,462				
FCF Facility Plan	¢	F 000 000	¢		¢	F 000 000				
Construction Estimate	\$	5,000,000	\$	-	\$	5,000,000				
Engineering Services (Arcadis and others)	\$	623,954	\$	46,039	\$	577,915				
Construction Management and Administration	\$	210,000			\$	210,000				
Project Escalation to Midpoint of Construction	\$	-								
Clinton Storage Project Total	\$	5,833,954	\$	46,039	\$	5,787,915				
					\$	5,787,915				
Facility Plan for Midland CSOs										
Construction Estimate	\$	14,900,000	\$	-	\$	14,900,000				
Engineering Services (Ch2MHill)	\$	121,401	\$	121,368	\$	33				
Engineering Services, County Admin, ect (TBD)	\$	3,720,000	\$	-	\$	3,720,000				
Facility Plan Total	\$	18,741,401	\$	121,368	\$	18,620,033				
					\$	18,620,033				
Midland Green Implementation Program										
Construction Contracts incl. GIF Public/Private	\$	7,500,000	\$	3,813,540	\$	3,686,460				
Ch2MHill Program Management & Engineering	\$	3,917,636	\$	2,776,119	\$	1,141,517				
Clinton Green Program Total	\$	11,417,636	\$	6,589,659	\$	4,827,977				
					\$	4,827,977				
Program Management										
Project Management (CDM/C&S) includes CSO 044	\$	6,530,602	\$	6,632,242	\$	(101,640)				
Project Management for Facility Plan (CDM/C&S) ⁽¹⁾			\$	-						
Program Management Total	\$	6,530,602	\$	6,632,242	\$	(101,640)				
	Ť	0,000,002	Ť	•,••=,= :=	\$	(101,640)				
						, , , , , , , , , , , , , , , , , , ,				
Miscellaneous County Costs										
Land Acquisition	\$	1,809,802	\$	1,809,802	\$	-				
IMA										
Legal	\$	182,323		\$181,975	\$	348				
Consulting (John Clare & Mezey)	\$	194,317	\$	194,317	\$	0				
Debt	\$	635,031	\$	689,294	\$	(54,263)				
Contingency	\$	2,591,117	\$	-	\$	2,591,117				
Other	\$	526,211	\$	529,271	\$	(3,060)				
Miscellaneous Costs Total		5,938,801	\$	3,404,659	\$	2,534,142				
Total Cost for Midland project under 4th stipulation	\$	135,612,853	\$	98,438,970	\$	37,173,883				
Authorized Master Budget \$128,300,000										

Onondaga County Lake Improvement Project

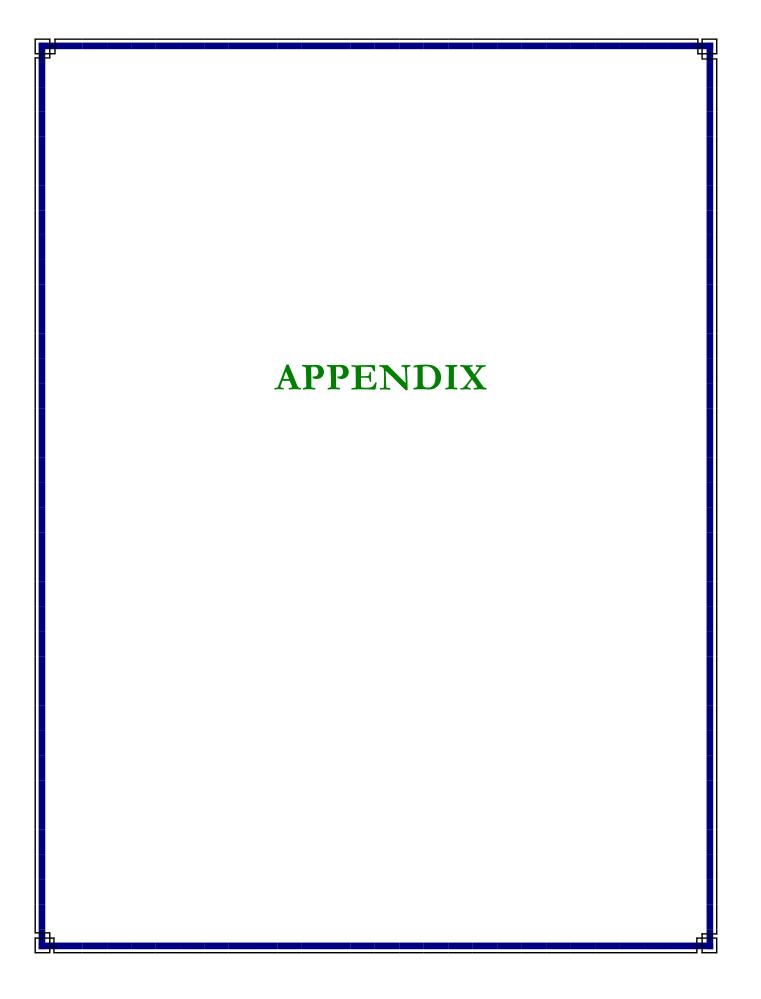
4th Stipulation of the ACJ Sewer Separation of CSO Areas 022/038/040/045/046A/046B/047/048/050/051/053/054 Summary of Current and Proposed Costs, and County Authorizations

	Total Project Costs					
<u>Project</u> /Task/Line Item	Total Proposed Budget	Expended to 3/31/16	Authorization Remaining			
Source Sonorration Construction Contracto						
<u>Sewer Separation Construction Contracts</u> CSO 024 (Falter)	\$698,864	\$698,864	\$0			
CSO 024 (Faiter) CSO 053/054 (Faiter)	\$098,804	\$098,804 \$2,000,817	\$0 \$0			
CSO 038//40/046A/046B (Falter)	\$3,598,931	\$3,524,487	ەن \$74,444			
CSO 038//40/0408 (Falter)	\$1,654,022	\$1,654,022	\$74,444 \$0			
CSO 050 (Lane)	\$4,362,188	\$4,362,188	\$0 \$0			
CSO 050 (Lane) CSO 051 (Lane)	\$4,302,188 \$5,037,280	\$5,037,280	\$0 \$0			
CSO 022/045 (estimated Project Costs)	\$6,750,000	\$5,611,423	پو \$1,138,577			
Construction Total	\$24,102,102	\$22,889,082	\$1,213,020			
	Ψ 2 4 , 10 2 , 10 2	<i>\\</i> 22,003,002	ψ1,210,020			
Service Contracts (Engineering						
/Consulting /Program Management)						
ACE	\$484,286	\$484,286	\$0			
CDM/C&S	\$1,446,468	\$1,997,539	-\$551,071			
CME	\$109,492	\$49,704	\$59,788			
Department of the Army	\$153,504	\$153,504	\$00,700 \$0			
Spectra	\$437,996	\$437,996	\$0			
Engineering/Management Total	\$2,631,746	\$3,123,029	-\$491,283			
Miscellaneous County Costs						
City of Syracuse	\$135,084	\$135,084	\$0			
Consulting (John Clare & Mezey)	\$101,425	\$101,425	\$0			
Debt	\$116,269	\$142,816	-\$26,547			
Legal	\$14,235	\$14,235	\$0			
Other	\$13,540	\$4,093	\$9,447			
Miscellaneous Costs Total	\$380,553	\$397,652	-\$17,099			
Total	\$27,114,401	\$26,409,763	\$704,638			
Authorized by Legislature \$27,684,286						

Onondaga County Lake Improvement Project Save The Rain Education and Outreach Grant Summary of Current and Additional Costs, and County Appropriations Mar 2016

Funding Uses Contract Amount Expended to Date Difference + (-) 2010/2011 Marketing Services 3 411,799 \$ 411,799 \$ (-) 2010/2011 Marketing Services Marketing Services \$ 411,799 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,303 \$ 224,815 \$ 241,815 \$ 241,815 \$ 241,815 \$ 241,815 \$ 241,815 \$ 241,815 \$ 241,815 \$ 241,815 \$ 350,126 \$ 241,815 \$ 350,126 \$ 241,815 \$ 350,126 \$ 2,074 \$ 6,1685 \$ 2,074 \$ 6,1685 \$ 2,0274 \$ 6,1685 \$ 2,0	Funding Sources			Appropriations
00, 00, 10, 14 Appropriation \$	Program Funding			
2011 Suburban Green Infrastructure 2012 Appropriation 2017 Green grant education 2017 Green grant education 2016 Green Grant education 2016 Green Grant education \$ \$ \$ 400000 3 2016 Green Grant education 2017 Statuston and Outreach 2012 Ottation and Outreach 2012 Education and Outreach 2012 Education and Outreach 2012 Education and Outreach 2014 Education and Papeer				\$ 875,000
2011 Toring Turking Mitigation Appropriation* S 125.00 2012 Green grant education S 200000 2014 Green Grant education S 200000 2016 Green Grant education S 200000 2016 Green Grant education S 2.885,000 2010 Green Grant education S 2.885,000 2010 Green Grant education Contract Amount Expended to Date Difference + (-) 2010 Other Grant education Marketing Services Subtotal S 4.11,789 S 4.11,778 2012 Marketing Services Marketing Services Subtotal Contract Amount Expended to Date Difference + (-) 2012 Education and Outreach S 346,677 S 346,677 S 346,677 2012 Education and Outreach S 35,778 S 327,788 S 227,788 S 237,788 2014 Education and Outreach S 36,677 S 346,877 S 348,883 S 34,983 S <				
2012 Green Grant education S \$ 400.000 2013 Green Grant education S 400.000 2015 Green Grant education S 400.000 2015 Green Grant education S 2,885.000 Total Appropriation S 2,885.000 Funding Uses Contract Amount Expended to Date Difference + (-) S 411,788 S 411,788 S 411,788 S 244.003 S 2,24.003 S 2,24.013 S 2,24.013				
2012 Gene grant education \$ \$ \$ 400.000 2013 Green Grant education \$ \$ 400.000 \$ \$ 400.000 \$ \$ 400.000 \$ \$ 400.000 \$ \$ 400.000 \$ \$ \$ 400.000 \$ \$ 400.000 \$ \$ \$ 400.000 \$ \$ \$ 400.000 \$ \$ \$ 400.000 \$ \$ \$ 400.000 \$ \$ \$ \$ 400.000 \$ \$ \$ \$ \$ \$ 400.000 \$				
2013 Green Grant education 2015 Green Grant education 2015 Green Grant education 2015 Green Grant education 2016 Green Grant education 2016 Green Grant education 2017 Marketing Services 2012 Marketing Services Subtotal Total Appropriation 5 S 400,000 5 S 2,000 5 S 2,000 5 S 2,000 5 S 2,000 5 S 2,000 5 S 3,000 5 S 3,000 5 <td></td> <td></td> <td></td> <td></td>				
2015 Green Grant education S 100.000 s 1				
2016 Green Grant education S 155,000 Funding Uses Contract Amount Expended to Date Difference + (-) Retr. Advertising + Design. Contract Amount Expended to Date Difference + (-) 2010 2011 Marketing Services S 411,789 S 244,003 S 224,003 S (-) Environmental Finance Center Education and Outreach S 346,677 S 360,128 S 2,017,68 S 2,017,68 S <t< td=""><td></td><td></td><td></td><td></td></t<>				
Total Appropriation S 2,885,000 Funding Uses Contract Amount Expended to Date Difference + (-) 2012 Dual Marketing Services S 411,763 S 411,783 S 411,783 S 424,433 (-) 2012 Marketing Services Marketing Services Subtotal Contract Amount Expended to Date Difference + (-) S 441,783 S 424,433 (-) (-) (-) S 441,783 S 441,783 S 441,783 S 441,783 S 441,843 S (-) (-) S 441,843 S (-) (-) S 346,677 S 346,677 S 346,677 S 346,677 S 346,677 S 346,677 S 2,07,78 S 2,07,78 S 2,07,78 S 2,07,78 S 2,07,78 S 2,07,85 S 2,92,92 S 2,651 S 2,20,73 S 1,176,375 S 1,176,375 S 1,53,33	2015 Green Grant education			\$ 100,000
Funding Uses Contract Amount Expanded to Date Difference + (-) Retz Advertising + Design_ 2012/011 Marketing Services S 411.768 S S 416.077 S S 416.077 S S 416.077 S S 416.077 S S 346.077 S S 346.077 S S 340.072 S S 20.178 S S 20.178 S S 20.178 S S 5.012 S S 5 6.188 S S 20.078 S S 5 6.188 S S 20.078 S S 5 6.188 S 9.025 S S 2.078 S S 6.188 S 9.025 S 5 2.018 S 5	2016 Green Grant education			\$ 185,000
Ratz Advertising + Design. Contract Amount Expended to Date Difference + (-) 2010/2011 Marketing Services S 411.789 \$ 411.789 \$ (-) 2012/2011 Marketing Services Marketing Services Subtotal \$ 224.303 \$ (-) 2012 Duration and Outreach S 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 346.677 \$ 360.125 \$ 301.25 \$ 330.125 \$ 360.125 \$ 360.125 \$ \$ 3.176.376 \$ 0.176.376 \$ 0.166 \$ 9.225 \$ 2.217.165 \$ 2.25.15 \$ 3.22 \$ 2.353 \$ 1.96.76 \$ 0.166.75 \$ 9.302 \$ 0.207.16 \$ 1.57.41 \$ <td>Total Appropriation</td> <td></td> <td></td> <td>\$ 2,885,000</td>	Total Appropriation			\$ 2,885,000
Star Lawrentsmin - Longin Contract Amount Expendent to Date Difference + (-) 20102011 Marketing Services S 411.789 S 411.789 S (-) 2012 Marketing Services S 411.789 S 411.789 S (-) 2012 Marketing Services S 635.992 S 635.992 S (-) Environmental Finance Center Education and Outreach S 346.677 S 346.677 S 346.677 S 241.815 S 227.758 S 22.7758 S 22.708 S 2.708 S 2.708 S 2.708 S 2.708 S 2.708 S	Funding Uses			
2010/2011 Marketing Services Marketing Services S 411,789 S 411,789 S 223,303 S 224,303 S 244,815 S 1,176,376 S 1,176,376 S 1,176,376 S 1,176,376 S 1,277 S 1,176,376 S 1,277 S 2,176 S	Retz Advertisina + Desian	Contract Amount	Expended to Date	Difference + (-)
2012 Marketing Services S 224,303 S 224,315 S 244,815 S 242,833 S 1,176,376 S 1,176,376 S 2,176 S 1,176,376 S 2,077 S 1,176,376 S 1,1390 <th< td=""><td></td><td>-</td><td></td><td></td></th<>		-		
Marketing Services Subtotal \$ 636.092 \$ 636.092 \$ (Contract Amount expendence) 2011 Education and Outreach 2011 Education and Outreach \$ 346.677 \$ 346.685 \$ 32.076 \$	2010/2011 Marketing Services			
Environmental Finance Center Education and Outreach Contract Amount Expended to Date Difference + (-) 2011 Education and Outreach \$ 346,677 \$ 346,677 \$ 346,677 \$ 346,677 2012 Education and Outreach \$ 247,868 \$ 237,768 \$ 237,768 \$ 237,768 2014 Education and Outreach \$ 247,768 \$ 237,768 \$ 237,768 \$ 237,768 2014 Education and Outreach Education & Outreach \$ 350,126 \$ 336,125 \$ 0.025 Supplies \$ 1,176,376 \$ 1,176,376 \$ 0.1966 \$ 0.922 \$ 2,535 Env Educator Hours \$ 1,6100 \$ 0.6865 \$ 0.922 \$ 2,535 \$ 1,176,376 \$ 1,176,376 \$ 0.222 Baltimore Woods \$ 1,176,376 \$ 1,176,376 \$ 0.222 \$ 2,535 \$ 2,251 \$	2012 Marketing Services			
Continue Link Contract 2011 Education and Outreach \$ 346.677 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 <t< td=""><td>Marketing Services Subtotal</td><td>\$ 636,092</td><td>\$ 636,092</td><td>\$ (0</td></t<>	Marketing Services Subtotal	\$ 636,092	\$ 636,092	\$ (0
Continue Link Contract 2011 Education and Outreach \$ 346.677 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 \$ 34.568 <t< td=""><td></td><td>Contract Amount</td><td>Expended to Date</td><td>Difference + (-)</td></t<>		Contract Amount	Expended to Date	Difference + (-)
2012 Education and Outreach \$ 241.815 \$ 241.815 \$ 247.758 \$ 237.758 \$ 237.758 \$ 237.758 \$ 237.758 \$ 350.125 \$ 350.125 \$ 350.125 \$ 350.125 \$ 1.176.376	Environmental Finance Center Education and Outreach			
2012 Education and Outreach \$ 241.815 \$ 241.815 \$ 247.758 \$ 237.758 \$ 237.758 \$ 237.758 \$ 237.758 \$ 350.125 \$ 350.125 \$ 350.125 \$ 350.125 \$ 1.176.376	2011 Education and Outreach	\$ 346,677	\$ 346,677	
2013 Education and Outreach \$ 237,758 \$ 237,758 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 350,125 \$ 50,125 \$ 50,125 \$ 50,125 \$ 50,125 \$ 50,125 \$ 50,125 \$ 50,225 Supplies Transport \$ 16,510 \$ 6,565 \$ 9,222 \$ 2,250 \$ 22,108 Erw Educator Hours \$ 28,673 \$ 15,483 \$ 13,190 \$ 37,036 \$ 14,928 \$ 22,108 Administrative Hours \$ 37,036 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 20,988	2012 Education and Outreach			
2014 Education and Outreach S 350,126 S 3,1176,376 S 0.00 Baltimore Woods S 8,200 S 2,074 S 6,186 S 9,925 S 2,2074 S 6,186 S 9,925 S 2,2074 S 6,186 S 9,925 S 2,2108 S 2,22,108 S 2,22,108 S 2,22,108 S 3,330 S 39,332 S 3,33,33 S 39,330 S 39,33	2013 Education and Outreach			
Education & Outreach Subtotal \$ 1,176,376 \$ 1,176,376 \$ 0 Baltimore Woods \$ 8,8200 \$ 2,074 \$ 6,186 \$ 9,925 Supplies \$ 8,260 \$ 2,074 \$ 6,186 \$ 9,925 Travel \$ 1,176,376 \$ 0,222 \$ 2,074 \$ 6,186 \$ 9,925 Env Educator Hours \$ 2,8673 \$ 1,479,376 \$ 1,149,28 \$ 2,2,108 Administrative Hours Baltimore Education & Outreach \$ 93,330 \$ 39,392 \$ 53,398 Miscelaneous Ed/Outreach Expenses Contract Amount Expended to Date Difference + (-) 2010/2011 Miscellaneous Exp \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$	2014 Education and Outreach			
Baltimore Woods S 8.260 \$ 2.074 \$ 6.186 Supplies \$ 8.260 \$ 2.074 \$ 6.186 Transport \$ 16.510 \$ 6.685 \$ 9.922 Env Educator Hours \$ 2.861 \$ 3.22 \$ 2.833 Administrative Hours \$ 28.673 \$ 15.483 \$ 1.3190 Administrative Hours \$ 28.0173 \$ 14.928 \$ 22.108 Baltimore Education & Outreach \$ 93.330 \$ 39.932 \$ 53.938 Miscelaneous Exp. \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.764 \$ 105.704 \$				\$ 0
Supplies		¢ 1,110,010	• 1,170,070	Ŷ
Transport Travel \$ 16,510 \$ 6,586 \$ 9,925 Travel Env Education Hours \$ 2,871 \$ 15,433 \$ 15,433 Administrative Hours \$ 37,036 \$ 14,928 \$ 22,108 Baltimore Education & Outreach \$ 93,330 \$ 39,392 \$ 53,938 Miscelaneous Ed/Outreach Expenses Expended to Date Difference + (-) 2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 2013 Miscellaneous Exp. \$ 105,764 \$ 105,764 2013 Miscellaneous Exp. \$ 34,158 \$ 44,657 2014 Miscellaneous Exp. \$ 105,764 \$ 105,764 2015 Miscellaneous Exp. \$ 34,158 \$ 44,657 2014 Miscellaneous Exp. \$ 20,986 \$ 20,986 2014 Miscellaneous Exp. \$ 425,791 \$ 15,741 Purchase card/Petty cash \$ 15,741 \$ 15,741 OEI - RB Workshops \$ 20,000 \$ 20,000 \$ 20,000 Environmental Design and Research \$ 20,000 \$ 20,000 \$ 20,000 2010/2011 media \$ 1,500 \$ 1,500 \$ 1,500 2012 Media \$ 1,500 \$ 1,500 \$ 28,750 \$ 28,750	Baltimore Woods			
Transport Travel \$ 16,510 \$ 6,586 \$ 9,925 Travel Env Education Hours \$ 2,871 \$ 15,433 \$ 15,433 Administrative Hours \$ 37,036 \$ 14,928 \$ 22,108 Baltimore Education & Outreach \$ 93,330 \$ 39,392 \$ 53,938 Miscelaneous Ed/Outreach Expenses Expended to Date Difference + (-) 2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 2013 Miscellaneous Exp. \$ 105,764 \$ 105,764 2013 Miscellaneous Exp. \$ 34,158 \$ 44,657 2014 Miscellaneous Exp. \$ 105,764 \$ 105,764 2015 Miscellaneous Exp. \$ 34,158 \$ 44,657 2014 Miscellaneous Exp. \$ 20,986 \$ 20,986 2014 Miscellaneous Exp. \$ 425,791 \$ 15,741 Purchase card/Petty cash \$ 15,741 \$ 15,741 OEI - RB Workshops \$ 20,000 \$ 20,000 \$ 20,000 Environmental Design and Research \$ 20,000 \$ 20,000 \$ 20,000 2010/2011 media \$ 1,500 \$ 1,500 \$ 1,500 2012 Media \$ 1,500 \$ 1,500 \$ 2,50,50 S 1,5	Sunnlies	\$ 8 260	\$ 2.074	\$ 6.186
Travel \$ 2,8671 \$ 3,221 \$ 2,530 Env Educator Hours \$ 28,673 \$ 15,483 \$ 13,190 Administrative Hours \$ 37,036 \$ 14,928 \$ 22,108 Baltimore Education & Outreach \$ 93,330 \$ 39,392 \$ 53,938 Miscelaneous Ed/Outreach Expenses Contract Amount Expended to Date Difference + (-) 2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 2013 Miscellaneous Exp. \$ 79,852 \$ 79,852 \$ 79,852 2014 Miscellaneous Exp \$ 20,988 \$ 20,988 \$ 20,988 2016 Miscellaneous Exp \$ 46,657 \$ 46,657 \$ 46,657 2014 Miscellaneous Exp \$ 20,988 \$ 20,988 \$ 20,988 2016 Miscellaneous Exp \$ 425,791 \$ 15,741 \$ 15,741 Purchase card/Petty cash \$ 15,741 \$ 15,741 \$ 15,740 OEI - RB Workshops \$ 15,741 \$ 15,741 \$ 15,740 Pinckney Hugo Grp \$ 20,000 \$ 15,000 \$ 20,000 \$ 2010/2011 media \$ 28,750 \$ 28,750 \$ 2012/201 media \$ 1,500 \$ 1,500				
Env Educator Hours \$ 28,673 \$ 15,483 \$ 13,190 Administrative Hours \$ 37,036 \$ 14,428 \$ 22,106 Baltimore Education & Outreach \$ 93,330 \$ 39,392 \$ 53,936 Miscelaneous Ed/Outreach Expenses Contract Amount Expended to Date Difference + (.) 2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 2013 Miscellaneous Exp \$ 34,158 \$ 34,158 \$ 34,158 2014 Miscellaneous Exp \$ 46,657 \$ 46,657 \$ 46,657 2015 Miscellaneous Exp \$ 20,988 \$ 20,988 \$ 20,988 2016 Miscellaneous Exp \$ 20,000 \$ 20,000 \$ 20,988 2016 Miscellaneous Exp \$ 200,000 \$ 20,000 \$ 20,000 2010 Miscellaneous Exp \$ 200,000 \$ 20,000 \$ 20,000 2010/2011 media \$ 200,000 \$ 20,000 \$ 20,000 2010/2011 media \$ 1,5,741 \$ 15,741 \$ 15,741 Purchase card/Petty cash \$ 20,000 \$ 20,000 \$ 20,000 \$ 2010/2011 media \$ 20,000 \$ 28,750 \$ 2010/2011 media \$ 979,201				
Administrative Hours \$ 37,036 \$ 14,928 \$ 22,108 Baltimore Education & Outreach \$ 93,330 \$ 39,392 \$ 53,938 Miscelaneous Ed/Outreach Expenses Contract Amount Expended to Date Difference + (.) 2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 Difference + (.) 2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 Difference + (.) 2010/2011 Miscellaneous Exp. \$ 34,158 \$ 34,158 \$ 34,158 \$ 34,158 2014 Miscellaneous Exp \$ 20,988 \$ 20,988 \$ 20,988 \$ 20,988 2014 Miscellaneous Exp \$ 20,988 \$ 20,988 \$ 20,988 \$ 20,988 2014 Miscellaneous Exp \$ 20,988 \$ 20,988 \$ 20,988 \$ 20,988 2014 Miscellaneous Exp \$ 20,000 \$ 20,000 \$ 20,000 \$ 20,000 2014 Miscellaneous Exp \$ 20,000 \$ 20,000 \$ 20,000 \$ 20,000 2014 Miscellaneous Exp \$ 20,000 \$ 20,000 \$ 20,000 \$ 28,750 2010/2011 media \$ 1,500 \$ 1,500				
Baltimore Education & Outreach \$ 93,330 \$ 39,392 \$ 53,938 Miscelaneous Ed/Outreach Expenses Contract Amount Expended to Date Difference + (-) 2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 2013 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 2013 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 \$ 105,764 2013 Miscellaneous Exp \$ 34,156 \$ 34,156 \$ 46,657 \$ 46,657 \$ 46,657 2016 Miscellaneous Exp \$ 20,988 \$ 20,988 \$ 20,988 \$ 20,988 \$ 20,988 Viral Purchase card/Petty cash \$ 15,741 \$ 15,741 \$ 15,741 \$ 15,741 Pinckney Hugo Grp \$ 20,000 \$ 20,000 \$ 20,000 \$ 20,000 \$ 20,000 S 10/2011 media \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 28,750 \$ 5 \$ \$ \$ \$				
Miscelaneous Ed/Outreach Expenses Contract Amount Expended to Date Difference + (-) 2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 2013 Miscellaneous Exp \$ 34,158 \$ 34,158 2014 Miscellaneous Exp \$ 46,657 \$ 46,657 2016 Miscellaneous Exp \$ 20,988 \$ 20,988 2016 Miscellaneous Exp \$ 425,791 \$ 15,741 Purchase card/Petty cash \$ 15,741 \$ 15,741 OEI - RB Workshops \$ 15,741 \$ 15,741 Purchase card/Petty cash \$ 20,000 \$ 15,000 Environmental Design and Research \$ 20,000 \$ 28,750 201/2011 media \$ 979,201 \$ 368,410 \$ 610,791 STR Education and Outreach Totals Contract Amount Expended to Date Difference + (-)		φ 37,000	ψ 14,320	φ 22,100
2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 2013 Miscellaneous Exp \$ 34,158 \$ 34,158 2014 Miscellaneous Exp \$ 34,158 \$ 34,158 2014 Miscellaneous Exp \$ 46,657 \$ 46,657 2016 Miscellaneous Exp \$ 20,988 \$ 20,988 2016 Miscellaneous Exp \$ 425,791 \$ 425,791 Travel \$ 200,000 \$ 15,741 Purchase card/Petty cash \$ 15,741 \$ 15,741 Pinckney Hugo Grp \$ 200,000 \$ 15,000 Environmental Design and Research \$ 28,750 \$ 28,750 2012 Media \$ 979,201 \$ 368,410 \$ 610,791 Str Education and Outreach Totals Contract Amount Expended to Date Difference + (-)	Baltimore Education & Outreach	\$ 93,330	\$ 39,392	\$ 53,938
2010/2011 Miscellaneous Exp. \$ 105,764 \$ 105,764 \$ 105,764 2013 Miscellaneous Exp \$ 34,158 \$ 34,158 2014 Miscellaneous Exp \$ 34,158 \$ 34,158 2014 Miscellaneous Exp \$ 46,657 \$ 46,657 2016 Miscellaneous Exp \$ 20,988 \$ 20,988 2016 Miscellaneous Exp \$ 425,791 \$ 425,791 Travel \$ 200,000 \$ 15,741 Purchase card/Petty cash \$ 15,741 \$ 15,741 Pinckney Hugo Grp \$ 200,000 \$ 15,000 Environmental Design and Research \$ 28,750 \$ 28,750 2012 Media \$ 979,201 \$ 368,410 \$ 610,791 Str Education and Outreach Totals Contract Amount Expended to Date Difference + (-)	Misselanous Ed/Outroach Expanses	Contract Amount	Expended to Date	Difference + (-)
2012 Miscellaneous Exp. \$ 79,852 \$ 79,852 2013 Miscellaneous Exp \$ 34,158 \$ 34,158 2014 Miscellaneous Exp \$ 46,657 \$ 46,657 2015 Miscellaneous Exp \$ 20,988 \$ 20,988 2016 Miscellaneous Exp \$ 425,791 \$ 15,741 Purchase card/Petty cash \$ 15,741 \$ 15,741 Purchase card/Petty cash \$ 20,000 \$ 15,000 Pinckney Hugo Grp \$ 20,000 \$ 20,000 Environmental Design and Research \$ 20,000 \$ 20,000 2012 Media \$ 1,500 \$ 1,500 S 1,500 \$ 1,500 \$ 1,500 <td< td=""><td><u>Misceraneous Lu/Outreach Expenses</u></td><td></td><td></td><td></td></td<>	<u>Misceraneous Lu/Outreach Expenses</u>			
2013 Miscellaneous Exp \$ 34,158 \$ 34,158 \$ 34,158 2014 Miscellaneous Exp \$ 46,657 \$ 46,657 2015 Miscellaneous Exp \$ 20,988 \$ 20,988 2016 Miscellaneous Exp \$ 425,791 \$ 425,791 Travel \$ 15,741 \$ 15,741 Purchase card/Petty cash \$ 15,741 \$ 15,741 OEI - RB Workshops \$ 20,000 \$ 15,000 Pinckney Hugo Grp \$ 20,000 \$ 15,000 Environmental Design and Research \$ 20,000 \$ 20,000 2012 Media \$ 1,500 \$ 1,500 Miscellaneous Subtotal \$ 979,201 \$ 368,410 \$ 610,791 STR Education and Outreach Totals Contract Amount Expended to Date Difference + (-)	2010/2011 Miscellaneous Exp.		\$ 105,764	
2014 Miscellaneous Exp \$ 46,657 \$ 46,657 2015 Miscellaneous Exp \$ 20,988 \$ 20,988 2016 Miscellaneous Exp \$ 425,791 \$ 20,988 2016 Miscellaneous Exp \$ 425,791 \$ 425,791 Travel Purchase card/Petty cash \$ 15,741 OEI - RB Workshops \$ 15,741 \$ 15,741 Pinckney Hugo Grp \$ 200,000 \$ 15,000 Environmental Design and Research \$ 20,000 \$ 20,000 2012 Media \$ 1,500 \$ 1,500 Miscellaneous Subtotal \$ 979,201 \$ 368,410 \$ 610,791 STR Education and Outreach Totals Contract Amount Expended to Date Difference + (-)	2012 Miscellaneous Exp.			
2015 Miscellaneous Exp\$ 20,988\$ 20,9882016 Miscellaneous Exp\$ 425,791\$ 20,988Travel Purchase card/Petty cash\$ 15,741\$ 15,741OEI - RB Workshops Pinckney Hugo Grp Environmental Design and Research 2010/2011 media 2010/2011 media 2012 Media\$ 15,000\$ 15,000Miscellaneous Subtotal\$ 979,201\$ 368,410\$ 610,791STR Education and Outreach TotalsContract AmountExpended to DateDifference + (-)	2013 Miscellaneous Exp	\$ 34,158		
2016 Miscellaneous Exp \$ 425,791 Travel Purchase card/Petty cash OEI - RB Workshops \$ 15,741 Pinckney Hugo Grp \$ 15,741 Environmental Design and Research \$ 20,000 2010/2011 media \$ 28,750 2012 Media \$ 1,500 Miscellaneous Subtotal \$ 979,201 STR Education and Outreach Totals Contract Amount				
Travel Purchase card/Petty cash \$ 15,741 \$ 15,741 \$ 15,741 Purchase card/Petty cash \$ 15,741 \$ 15,741 \$ 15,741 Pinckney Hugo Grp \$ 200,000 \$ 15,000 Environmental Design and Research \$ 28,750 \$ 28,750 2010/2011 media \$ 1,500 \$ 1,500 2012 Media \$ 1,500 \$ 1,500 Streeducation and Outreach Totals Contract Amount Expended to Date Difference + ()_			\$ 20,988	
Purchase card/Petty cash \$ 15,741 \$ 15,741 OEI - RB Workshops \$ 15,741 \$ 15,741 Pinckney Hugo Grp \$ 200,000 \$ 15,000 Environmental Design and Research \$ 20,000 \$ 20,000 2010/2011 media \$ 28,750 \$ 28,750 2012 Media \$ 1,500 \$ 1,500 Miscellaneous Subtotal \$ 979,201 \$ 368,410 STR Education and Outreach Totals Contract Amount Expended to Date Difference + (-)	2016 Miscellaneous Exp	\$ 425,791		
Purchase card/Petty cash OEI - RB Workshops Pinckney Hugo Grp Environmental Design and Research 2010/2011 media 2010/2011 media 2012 Media Miscellaneous Subtotal \$ 979,201 \$ 368,410 \$ 15,741 \$	Travel			
Pinckney Hugo Grp \$ 200,000 \$ 15,000 Environmental Design and Research \$ 20,000 \$ 20,000 2010/2011 media \$ 28,750 \$ 28,750 2012 Media \$ 1,500 \$ 1,500 Miscellaneous Subtotal \$ 979,201 \$ 368,410 STR Education and Outreach Totals Contract Amount Expended to Date Difference + (-)				
Pinckney Hugo Grp \$ 200,000 \$ 15,000 Environmental Design and Research \$ 20,000 \$ 20,000 2010/2011 media \$ 28,750 \$ 28,750 2012 Media \$ 1,500 \$ 1,500 Miscellaneous Subtotal \$ 979,201 \$ 368,410 STR Education and Outreach Totals Contract Amount Expended to Date Difference + (-)				
Pinckney Hugo Grp \$ 200,000 \$ 15,000 Environmental Design and Research \$ 20,000 \$ 20,000 2010/2011 media \$ 28,750 \$ 28,750 2012 Media \$ 1,500 \$ 1,500 Miscellaneous Subtotal \$ 979,201 \$ 368,410 STR Education and Outreach Totals Contract Amount Expended to Date Difference + (-)				
Environmental Design and Research \$ 20,000				
2010/2011 media \$ 28,750 \$ 28,750 2012 Media \$ 1,500 \$ 1,500 Miscellaneous Subtotal \$ 979,201 \$ 368,410 \$ 610,791 STR Education and Outreach Totals Contract Amount Expended to Date Difference + (-)				
2012 Media \$ 1,500 \$ 1,500 \$ 1,500 \$				
Signal				
Miscellaneous Subtotal 979,201 368,410 610,791 STR Education and Outreach Totals Contract Amount Expended to Date Difference + (-)				\$ -
	Miscellaneous Subtotal			
	STR Education and Outroach Totals	Contract Amount	Expended to Date	
\$ 2,885,000 \$ 2,220,270 \$ 664,730				
		\$ 2,885,000	\$ 2,220,270	\$ 664,730

*Trolley lot parking mitigation money is from the Clinton CSO Storage Facility Budget and is funding education and outreach specific to that project.



March	2016
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	FINANCIAL TRA	CKING SUMM	ARY: FEDERAL	& STATE GRAN	ITS/LOANS AF	PROVED & RE	CEIVED				
		NYS	NYS	FED EPA	FED EPA		SHORT-TERM			ACE	ACE
	PROJECT	GRANT	GRANT	GRANT	GRANT	EFC LOAN	EFC LOAN	EFC LOAN	EFC LOAN	GRANT	GRANT
PROJECT NAME	BUDGET	APPROVED	RECEIVED	APPROVED	RECEIVED	APPROVED	RECEIVED	APPROVED	RECEIVED	APPROVED	RECEIVED
METRO - CURRENT											
AERATION SYSTEM UPGRADE	\$8,500,000	\$5,834,381	\$5,834,381			\$7,365,000	\$6,868,954	\$1,049,185	\$14,613		
AMMONIA REMOVAL DEMO	\$2,000,000	\$1,145,109	\$1,145,109			Full-Scale	\$202,078	. , ,	. ,		
BIOSOLIDS-MECHANICAL THICKENERS ^(C)	, ,,	, , ,	, , ,				,	\$14,676,422	\$14,711,148		
DIGESTER MOD/CHEMICAL STORAGE	\$5,600,000	\$4,319,819	\$4,319,819			\$4,938,419	\$4,938,419	\$775,509	\$154,126		
DIGITAL SYSTEM IMPROVEMENTS	\$2,900,000	\$1,563,317	\$1,563,317			\$1,849,000	\$1,849,000	\$285,682	\$3,833		
MISCELLANEOUS IMPROVEMENTS	\$1,400,000	. , ,	. , ,			. , ,	. , ,	. ,	. ,		
ODOR CONTROL	\$7,700,000							\$7,413,199	\$7,389,197		
AMMONIA REMOVAL FULL SCALE/											
STAGE II PHOSPHORUS REMOVAL	\$190,000,000	\$47,331,203	\$47,331,203	\$54,705,015	\$54,705,015	\$108,000,000	\$105,860,930	\$17,200,000	\$989,323		
PHOSPHORUS REMOVAL PILOT	\$5,000,000					Full Scale	\$1,936,991				
	004.045.000	654 070 000	AF4 070 000			A70.000.000	.	A70 F00 110	A07 400 070		
CLINTON ST CONVEYANCE & RTF	\$31,245,000	\$54,870,000	. , ,			\$70,288,890	\$41,834,264	. , ,	\$37,198,856		
ERIE BLVD SEW SEP STORAGE	\$3,000,000	\$1,700,000	\$1,700,000			\$2,301,876	. , ,	\$923,162			
FRANKLIN ST FCF	\$3,200,000	\$3,828,053	\$3,828,053			\$4,726,762	\$4,589,759	\$1,179,012			
	\$250,000	\$384,200	\$384,200		A15 070 004		A 40 700 400	\$343,500	1		
	\$5,444,000	\$3,880,000	\$3,880,000	\$14,003,569	\$15,378,304	\$53,689,500	\$46,700,136	\$62,477,416	. , ,		
HIAWATHA INTERCEPTOR/RTF ^(a)	\$8,000,000							\$2,710,169		. , ,	\$3,406,000
KIRKPATRICK ST PUMP STATION	\$5,642,000	\$7,502,302	\$7,502,302			\$12,000,000	\$10,940,632	\$4,246,376	\$828,115		
MALTBIE ST FCF	\$250,000	\$211,097	\$211,097			\$212,000	\$188,106				
MIDLAND AVE CONVEYANCE	\$3,000,000	\$26,055,238	\$26,055,238	\$34,900,616	\$33,525,880						
MIDLAND AVE PHASE II & RTF	\$45,000,000					\$15,000,000	\$15,000,000	\$37,339,317	\$19,775,718		
MIDLAND AVE PHASE III	\$27,000,000					\$10,000,000					
NEWELL ST FCF ^(b)	\$1,310,000	\$367,737	\$367,737								
ONONDAGA CREEK FCF	\$3,000,000	\$442,154	\$442,154								
SEWER SEPARATION ^(a)	\$7,704,000							\$11,332,407	. , ,	\$14,050,177	\$14,050,177
SIPHON REHABILITATION	\$1,230,000	\$870,768	\$870,768			\$1,435,500	\$1,024,433	\$140,623			
TEALL BROOK FCF	\$175,000	\$1,045,162	\$1,045,162			\$1,236,594	. , ,	\$188,809			
WEST ST SEWER SEPARATION	\$1,000,000	\$2,299,460	\$2,299,460			\$3,059,716	\$2,481,443	\$395,540	\$6,621		
OTHER											
AMBIENT WATER MONITORING	\$8,000,000										
OXYGENATION DEMO	\$2,400,000										
SEQR REGULATORY	\$50,000										
	-										
TOTAL DOLLARS	*\$380,000,000	\$163,650,000	\$163,650,000	\$103,609,200	\$103,609,200	\$296,103,257	\$247,603,598	\$241,244,447	\$116,861,615	\$17,456,177	\$17,456,177
*Original budget figures were based on 19	97 dollars										
NYS includes awards beyond original plec		n)									
(a) NOTE: PROJECT IS US ARMY CORPS											
(b) NOTE: PROJECT RECEIVED \$40.500 C			(SERDA)								
(c)NOTE: PROJECT RECEIVED \$87,500 C		- (- /								
			,			1	1		l	l	

Lake Improvement Project Status Report For The Period Ending 03/31/2016

	Project Title METRO - Current	ACJ START DATE	<u>acj</u> <u>finish</u> <u>date</u>	COUNTY FINISH DATE		ORIGINAL BUDGET(2)	<u>_</u>	UTHORIZED BUDGET	ENGINEER
1	AERATION SYSTEM UPGRADE		7/1/2002	01/03/00	\$	8,500,000	\$	6,925,115	EEA
2	AMMON. REMOVAL DEMONSTRATION	11/1/1998	3/1/2000	12/31/99	\$	2,000,000	\$	1,350,000	EEA
3	BIOSOLIDS - MECHANICAL THICKENERS						\$	14,815,674	
4	DIGESTER MOD/CHEMICAL STORAGE		7/1/2002	10/31/00	\$	5,600,000	\$	5,092,545	C&S
5	DIGITAL SYSTEMS IMPROVEMENTS		7/1/2002	06/31/01	\$	2,900,000	\$	3,520,317	Systems Integrated
6	MISCEL. IMPROVEMENTS		7/1/2002	01/31/99	\$	1,400,000	\$	1,400,000	
7	ODOR CONTROL		7/1/2002	12/20/00	\$	7,700,000	\$	8,393,855	OBG
8	AMMONIA REMOVAL FULL SCALE/	10/1/2001	11/1/2003	11/01/03	\$	125,000,000	\$	129,386,187	FEA
•	STAGE II PHOSPHORUS REMOVAL	10/1/2003	4/1/2005		\$	65,000,000	φ	129,300,107	
9	PHOSPHORUS REMOVAL - PILOT	4/1/2006	4/1/2007	12/31/00	\$	5,000,000	\$	4,111,714	EEA
	CSO - Current								
10	CLINTON ST. CONVEYANCE/	5/1/2003	5/1/2007	10/28/06	\$	15,987,190	\$	185,500,042	EEA
10	CLINTON ST. RTF	5/1/2007	1/1/2012	12/28/10	\$	15,258,090	φ	165,500,042	EEA
11	ERIE BLVD STORAGE SYSTEM		7/1/2002	04/13/02	\$	3,000,000	\$	2,684,523	Barton & Loguidice
12	FRANKLIN ST. FCF	4/26/1999	5/1/2000	05/01/00	\$	3,200,000	\$	5,216,618	EEA
13	HARBOR BROOK FCF		7/1/2002	07/01/02	\$	250,000	\$	889,109	EEA
14	HARBOR BROOK CSO ABATEMENT		7/1/2002		\$	5,443,980	\$	104,800,000	Moffa & Assoc.
15	HIAWATHA INTERCEPTOR/RTF		7/1/2002	12/31/00	\$	8,000,000	\$	6,047,183	EEA/Parsons
16	KIRKPATRICK ST. PUMP STATION		7/1/2002	10/29/02	\$	5,641,860	\$	12,558,335	EEA
17	MALTBIE STREET FCF	8/31/1998	7/1/2002	04/26/99	\$	250,000	\$	362,028	EEA
18	MIDLAND AVE RTF & CSO ABATEMENT	5/1/1999	5/1/2004	12/06/00	\$	75,000,000	\$	135,612,853	EEA
19	MIDLAND AVE MITIGATION COSTS						\$	3,000,000	
20	NEWELL STREET RTF		7/1/2002	07/01/01	\$	1,310,000	\$	473,132	Moffa & Assoc.
21	ONONDAGA CREEK FCF		7/1/2002	07/01/02	\$	3,000,000	\$	648,342	Parsons
22	SEWER SEPARATION		1/1/2012	01/01/12	\$	7,703,880	\$	27,684,286	OBG
23	SIPHON REHABILITATION		7/1/2002	06/11/99	\$	1,230,000	\$	1,026,391	C&S
24	TEALL BROOK FCF		7/1/2002	12/01/01	\$	175,000	\$	1,235,346	EEA
25	WEST ST SEWER SEPARATION	5/1/1999		01/14/00	\$	1,000,000	\$	2,720,572	CHA
26	ERIE BLVD CSO ABATEMENT								New Project
	OTHER								
27	AMBIENT WATER MONITORING		7/1/2002		\$	8,000,000			
28	OXYGENATION DEMO PROJECT	5/1/1999	4/1/2003	02/25/04	\$	2,400,000	\$	10,087	
29	SEQRA REGULATORY COMPLIANCE				\$	50,000	\$	50,000	Parsons
				*	\$	380,000,000	\$	665,514,254	
	*Original budget figures were based on 1997	dollars				,,		,,	
	 SEQR costs are reflected in the individual pr Original budget figures were based on 1997 	otal payments	s to date						
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Lake Improvement Project Status Report For The Period Ending 03/31/2016

	OFT COST ONTRACTS	<u>(</u>	CONSTRUCTION CONTRACT AMOUNTS		<u>P</u> /	<u>TOTAL</u> AYMENTS TO DATE	FC	DRECASTED COSTS		<u>TOTAL</u> <u>ESTIMATED</u> <u>COST</u>		OVER/UNDER BUDGET	% COMPLETED EXPENDITURES
1	\$ 352,747	\$	6,473,110		\$	6,925,115			\$	6,925,115	\$	(1,574,885)	100.00%
2	\$ 1,346,856				\$	1,347,187			\$	1,347,187	\$	(652,813)	100.00%
3	\$ 1,266,345	\$	13,131,105		\$	14,815,674			\$	14,815,674	\$	14,815,674	100.00%
4	\$ 748,386	\$	4,357,480		\$	5,092,545			\$	5,092,545	\$	(507,455)	100.00%
5	\$ 451,713	\$	2,974,514		\$	3,520,317			\$	3,520,317	\$	620,317	100.00%
6					\$	1,400,000			\$	1,400,000	\$	-	100.00%
7	\$ 999,299	\$	6,956,868		\$	8,393,855			\$	8,393,855	\$	693,855	100.00%
8	\$ 21,289,868	\$	106,962,810		\$	128,688,040			\$	128,688,040	\$	(61,311,960)	100.00%
9	\$ 4,055,734				\$	4,111,714			\$	4,111,714	\$	(888,286)	100.00%
10	\$ 34,084,278	\$	124,629,523		\$	169,017,223	\$	16,482,819	\$	185,500,042	\$	154,254,762	91.11%
11	\$ 901,556	\$	1,734,929		\$	2,684,523			\$	2,684,523	\$	(315,477)	100.00%
12	\$ 973,543	\$	3,920,238		\$	4,948,516	\$	2,018,689	\$	6,967,205	\$	3,767,205	71.03%
13	\$ 436,363	\$	373,370		\$	889,109			\$	889,109	\$	639,109	100.00%
14	\$ 22,435,066	\$	77,801,007		\$	100,808,791	\$	3,991,209	\$	104,800,000	\$	99,356,020	96.19%
15	\$ 540,945	\$	5,535,152		\$	6,047,183	\$	3,406,000	\$	9,453,183	\$	1,453,183	63.97%
16	\$ 2,520,394	\$	9,882,154		\$	12,558,335			\$	12,558,335	\$	6,916,475	100.00%
17	\$ 109,483	\$	152,418		\$	362,028			\$	362,028	\$	112,028	100.00%
18	\$ 27,660,852	\$	70,419,905		\$	98,580,185	\$	37,032,668	\$	135,612,853	\$	60,612,853	72.69%
19					\$	3,000,000	\$	-	\$	3,000,000	\$	3,000,000	100.00%
20	\$ 472,572				\$	473,132			\$	473,132	\$	(836,868)	100.00%
21	\$ 503,551				\$	648,342			\$	648,342	\$	(2,351,658)	100.00%
22	\$ 2,600,778	\$	22,879,464		\$	26,409,763	\$	545	\$	26,410,308	\$	18,706,428	100.00%
23		\$	1,021,823		\$	1,026,391			\$	1,026,391	\$	(203,609)	100.00%
24	\$ 320,039	\$	903,566		\$	1,235,346			\$	1,235,346	\$	1,060,346	100.00%
25	\$ 403,332	\$	2,311,126		\$	2,720,572			\$	2,720,572	\$	1,720,572	100.00%
26									\$	-			
27					\$	20,385,693	\$	-	\$	-			
28	\$ 10,087				\$	10,087			\$	10,087	\$	(2,389,913)	100.00%
29													
	\$ 124,483,784	\$	462,420,564		\$	626,099,665	\$	62,931,931	\$	668,645,904	\$	296,695,904	
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		РА	TOTAL YMENTS TO	PA	TOTAL AYMENTS TO	
	Project Title	DA	ATE 03-31-16	D	ATE 12-31-15	Change
	METRO - Current					
1	AERATION SYSTEM UPGRADE	\$	6,925,115	\$	6,925,115	\$ -
2	AMMON. REMOVAL DEMONSTRATION	\$	1,347,187	\$	1,347,187	\$ -
3	BIOSOLIDS - MECHANICAL THICKENERS	\$	14,815,674	\$	14,815,674	\$ -
4	DIGESTER MOD/CHEMICAL STORAGE	\$	5,092,545	\$	5,092,545	\$ -
5	DIGITAL SYSTEMS IMPROVEMENTS	\$	3,520,317	\$	3,520,317	\$ -
6	MISCEL. IMPROVEMENTS	\$	1,400,000	\$	1,400,000	\$ -
7	ODOR CONTROL	\$	8,393,855	\$	8,393,855	\$ -
8	AMMONIA REMOVAL FULL SCALE/	\$	128,688,040	\$	128,688,040	\$ -
	STAGE II PHOSPHORUS REMOVAL	\$	-	\$	-	
9	PHOSPHORUS REMOVAL - PILOT	\$	4,111,714	\$	4,111,714	\$ -
	CSO - Current					\$ -
10	CLINTON ST. CONVEYANCE/	\$	169,017,223	\$	166,112,945	\$ 2,904,278
	CLINTON ST. RTF	\$	-			\$ -
11	ERIE BLVD STORAGE SYSTEM	\$	2,684,523	\$	2,684,523	\$ -
12	FRANKLIN ST. FCF	\$	4,948,516	\$	4,948,516	\$ -
13	HARBOR BROOK FCF	\$	889,109	\$	889,109	\$ -
14	HARBOR BROOK CSO ABATEMENT	\$	100,808,791	\$	100,642,088	\$ 166,702
15	HIAWATHA INTERCEPTOR/RTF	\$	6,047,183	\$	6,047,183	\$ -
16	KIRKPATRICK ST. PUMP STATION	\$	12,558,335	\$	12,558,335	\$ -
17	MALTBIE STREET FCF	\$	362,028	\$	362,028	\$ -
18	MIDLAND AVE RTF & CSO ABATEMENT	\$	98,580,185	\$	97,174,512	\$ 1,405,673
19	MIDLAND AVE MITIGATION COSTS	\$	3,000,000	\$	3,000,000	\$ -
20	NEWELL STREET RTF	\$	473,132	\$	473,132	\$ -
21	ONONDAGA CREEK FCF	\$	648,342	\$	648,342	\$ -
22	SEWER SEPARATION	\$	26,409,763	\$	26,409,763	\$ -
23	SIPHON REHABILITATION	\$	1,026,391	\$	1,026,391	\$ -
24	TEALL BROOK FCF	\$	1,235,346	\$	1,235,346	\$ -
25	WEST ST SEWER SEPARATION	\$	2,720,572	\$	2,720,572	\$ -
26	ERIE BLVD CSO ABATEMENT	\$	-	\$	-	\$ -
	OTHER					\$ -
27	AMBIENT WATER MONITORING	\$	20,385,693	\$	20,385,693	\$
28	OXYGENATION DEMO PROJECT	\$	10,087	\$	10,087	\$ -
	SEQRA REGULATORY COMPLIANCE	\$	-	\$	-	\$ -
						\$ -
	TOTAL DOLLARS	\$	626,099,665	\$	621,623,012	\$ 4,476,653

Chronology of Project Construction Starts

<u>Pre-A</u>	 <u>CJ Signing (1/20/98)</u> General Improvements Odor Control and Residuals Handling 	<u>Status</u> Complete Complete	<u>Location</u> Metro Metro
<u>1998</u>	 Digital Systems Upgrade Ammonia Removal Demonstration Aeration System Upgrade Hiawatha RTF - ACOE Newell St. RTF Demo/Improvements Maltbie St. FCF Siphon Rehab 	Complete Complete Complete Complete Complete Complete	Metro Metro Regional Market W.Newell/Vale St. Maltbie/Plum St. Various
<u>1999</u>	 Digester Modifications/Chemical Storage Franklin St. FCF West Street Sewer Separation Ammonia Trackdown 	Complete Complete Complete Complete	Metro I-690/Franklin W. Genesee, Plum, Tracy, N. West St. Metro
<u>2000</u>	 Midland Ave. Conveyance Phase I Phosphorus Removal – Phase I Pilot 	Complete Complete	Tallman/Oxford St. Metro
<u>2001</u>	 Erie Blvd. Storage System Upgrade Full Scale Ammonia Removal/ Stage II Phosphorus Removal Kirkpatrick St. Pump Station & Force Main Onondaga Creek FCF Teall Brook FCF Water Street Sewer Separation (CSO 024) 	Complete Complete Complete Complete Complete	Franklin to Teall Metro Kirkpatrick St. Inner Harbor Teall Ave. Water Street
<u>2002</u>	Harbor Brook FCFBrighton Ave Sewer Separation (CSO 053/054)	Complete Complete	W.Hiaw./I-690 Brighton/Bishop Ave

	Project	<u>Status</u>	Location
<u>2004</u>	 Tallman/Onondaga Sewer Separation (CSO 038, 040, 046A &046B) Midland Phase II RTF/Conveyances 	Complete Complete	Tallman/Onondaga Blaine/Oxford St.
<u>2005</u>	 Phosphorus Removal – Phase II Pilot Biosolids Handling Improvements 	Complete Complete	Metro Metro
<u>2006</u>	• Sewer Separation – CSO 047 & 048	Complete	South Ave/ Bissell St.
<u>2007</u>	 Sewer Separation – CSO 050 Clinton Phase I Conveyances 	Complete Complete	Parkway/Rockland
<u>2008</u>	Clinton Phase IIA Conveyances	Complete	
<u>2009</u>	Sewer Separation – CSO 051	Complete	Colvin St.
<u>2010</u>	Harbor Brook Interceptor Sewer	Complete	Velasko/Fayette
<u>2011</u>	 Midland CSO 044 Clinton Storage Facility Lower Harbor Brook (Conveyance & Storage) Save the Rain Green Projects CSO 022 Sewer Separation Project CSO 045 Sewer Separation Project 	Complete Complete Complete Authorized/Underway Authorized/Underway Authorized/Underway	W. Castle/South Ave Armory Square Hiawatha/State Fair Blvd. Various West Genesee/Franklin South Avenue
<u>2012</u>	Save the Rain Green Projects	Completed	Various
<u>2013</u>	Save the Rain Green Projects	Completed	Various
<u>2014</u>	 Save the Rain Green Projects Harbor Brook CSO 063 Conveyances Project 	Completed Underway	Various Hiawatha/State Fair Blvd.

CONTRACTORS FOR CONSTRUCTION PROJECTS Metro Treatment Plant

AERATION SYSTEM UPGRADE Bongiovanni Construction (General) Ridley Electric (Electrical)	\$ \$	5,626,956.41 846,154.00
DIGITAL SYSTEM UPGRADE Systems Integrated	\$	2,974,514.27
ODOR CONTROL CONTRACT #1 Falconet, Inc. (General) Scriba Electric (Electrical) Burns Bros. (Heating/Ventilation) Burns Bros. (Plumbing)	\$ \$ \$ \$	4,872,660.53 315,580.30 82,459.00 50,168.00
ODOR CONTROL CONTRACT #2 Murnane Construction	\$	1,636,000.00
PHASE III IMPORVEMENTS CONTRACT 1 - DIGESTER & LAGOON IMPROVEMENTS Maxim Construction PHASE III IMPROVEMENTS CONTACT 2 - CHEMICAL STORAGE & FEED	\$	645,730.74
<u>FACILITIES</u> C.O. Falter Construction Corp. (General) Barry & Barry Electrical Co. (Electrical) Burns Bros. (HVAC) Edward Joy Company (Plumbing)	\$ \$ \$ \$	2,527,300.08 193,665.22 224,232.51 38,669.35
PHASE III IMPROVEMENTS CONTRACT 3 - DIGESTER & LAGOON CLEANING Waste Stream Environmental Inc.	\$	727,881.80
<u>FULL SCALE AMMONIA/PHOSPOHORUS REMOVAL - FIELD OFFICE</u> James & Son Constrcution Resun Leasing, Inc. Ridley Electric Co. Burns Brothers	\$ \$ \$ \$	28,388.00 112,224.00 32,295.00 18,440.00
FULL SCALE AMMONIA/PHOSPHORUS REMOVAL U.S. Filter - Kruger Products, Inc. U.S. Filter - Kruger Products, Inc.		8,261,182.00 3,918,080.00

CONTRACTORS FOR CONSTRUCTION PROJECTS Metro Treatment Plant

C.O., Falter Construction Corp. (General) \$ 22,243,604,98 Ridley Electric (Electrical) \$ 255,627.00 C.O., Falter Construction Corp. (Pile Testing) \$ 4,310,008.00 Moretrench Environmental \$ 4,602,086.57 PILE INSTALLATION - CONTRACT 3 \$ 9,045,731.95 GENERAL - CONTRACT 4 \$ 9,045,731.95 The Pike Company (General) \$ 46,860.263.46 Ridley Electric C.O. (Electrical) \$ 3,009,057.61 Burns Brothers (Plumbing/Fire Protection) \$ 1,217,583.74 BIOSOLIDS HANDLING IMPROVEMENTS \$ 1,476,223.00 C. O., Falter Construction Corp. (General) \$ 1,476,223.00 Airside Technology (HVAC) \$ 532,187.00 Burns Brothers (Plumbing) \$ 1,476,223.00 Airside Technology (HVAC) \$ 532,187.00 Burns Bros. (Plumbing) \$ 1,476,23.00 Independent Fiedl Svs (Cogen) \$ 18,019.75 CLINTON CONVEYANCES PHASE I & 2A \$ 2,634,999.43 MOU (City of Syracuse) \$ 168,000.00 MOU (City of Syracuse) \$ 168,000.00 MOU (City of Syracuse) \$ 168,000.00 MOU (City of Syracuse) \$ 188,046.14	FULL SCALE AMMONIA/PHOSPHORUS REMVOAL SITE PREPARATION - CONTRACT 2	
Ridley Electric (Electrical) \$ 255,627.00 C.O. Fater Construction Corp. (Pile Testing) \$ 431,008.00 Moretrench Environmental \$ 4,602,086.57 PILE INSTALLATION - CONTRACT 3 \$ 9,045,731.95 GENERAL - CONTRACT 4 * The Pike Company (General) \$ 46,860,263.46 Ridley Electric Co. (Electrical) \$ 6,927,238.00 Edward Joy Company (HVAC) \$ 3,009,057.61 Burns Brothers (Plumbing/Fire Protection) \$ 1,217,583.74 BIOSOLIDS HANDLING IMPROVEMENTS * C. O. Falter Construction Corp. (General) \$ 10,929,016.19 Ridley Electric (Electrical) \$ 11,476,223.00 Airside Technology (HVAC) \$ 532,187.00 Burns Bros. (Plumbing) \$ 173,679.09 Independent Fiedl Svs (Cogen) \$ 14,478,053.39 The Delaney Group, Inc. \$ 14,478,053.39 The Delaney Group, Inc. \$ 14,478,053.39 The Delaney Group, Inc. \$ 168,000.00 MOU (City of Syracuse) \$ 168,000.00 MOU City of Syracuse (Connective Corridor) \$ 33,825,000.00 CLINTON CONVEYANCES PHASE I & 2A \$ 168,000.00 MOU City of Syracuse (Connective Corridor) \$ 33,825,000.0		\$ 22.243.604.98
C.O. Falter Construction Corp. (Pile Testing) \$ 431,008.00 Moretrench Environmental \$ 4,602,086.57 PILE INSTALLATION - CONTRACT 3 \$ 9,045,731.95 GENERAL - CONTRACT 4 \$ 9,045,731.95 The Pike Company (General) \$ 46,860,263.46 Ridley Electric Co. (Electrical) \$ 6,927,238.00 Edward Joy Company (HVAC) \$ 3,009,057.61 Burns Brothers (Plumbing/Fire Protection) \$ 1,217,583.74 BIOSOLIDS HANDLING IMPROVEMENTS \$ 10,929,016.19 C. O. Falter Construction Corp. (General) \$ 10,929,016.19 Ridley Electric (Electrical) \$ 14,478,053.39 Durns Bros. (Plumbing) \$ 137,679.09 Independent FiedI Svs (Cogen) \$ 14,478,053.39 The Delaney Group, Inc. \$ 4,074,455.32 SIDA \$ 2,634,999.43 MOU City of Syracuse \$ 168,000.00 MOU City of Syracuse (Connective Corridor) \$ 3,3825,000.00 CLINTON CONVEYANCES PHASE I & 2A \$ 168,046.14 Davis Wallbridge (Pearl SVLot 3) \$ 638,873.33 Davis Wallbridge (Part SVLot 3) \$ 638,873.33 Davis Wallbridge (Townsend SL) \$ 476,625.39 J&B (Pirro Conv. Center) \$ 1,083,72		
PILE INSTALLATION - CONTRACT 3 M.A. Bongiovanni Construction \$ 9,045,731.95 GENERAL - CONTRACT 4 The Pike Company (General) \$ 46,860,263.46 Ridley Electric Co. (Electrical) \$ 6,927,238.00 Edward Joy Company (HVAC) \$ 3,009,057.61 Burns Brothers (Plumbing/Fire Protection) \$ 1,217,583.74 BIOSOLIDS HANDLING IMPROVEMENTS C. O. Falter Construction Corp. (General) \$ 10,929,016.19 Ridley Electric (Electrical) \$ 532,187.00 Airside Technology (HVAC) \$ 13,019.75 Burns Bros. (Plumbing) \$ 173,679.09 Independent Fiedl Svs (Cogen) \$ 18,019.75 CLINTON CONVEYANCES PHASE I & 2A \$ 4,074,455.32 The Delaney Group, Inc. \$ 14,478,053.39 The Delaney Group, Inc. \$ 14,478,053.39 MOU (City of Syracuse) \$ 186,000.00 MOU City of Syracuse (Connective Corridor) \$ 3,825,000.00 CLINTON CONVEYANCES PHASE I & 2A \$ 188,046.14 Davis Wallbridge (Peart StLot 3) \$ 635,873.93 Davis Wallbridge (Townsend St.) \$ 476,625.39 Jab (Piro Conv. Center) \$ 1,033,727.39 C.O. Faiter (War Memorial) \$ 447,957.66		
M.A. Bongiovanni Construction \$ 9,045,731.95 GENERAL - CONTRACT 4 The Pike Company (General) \$ 46,860,263.46 Ridley Electric Co. (Electrical) \$ 6,927,238.00 Edward Joy Company (HVAC) \$ 3,009,057.61 Burns Brothers (Plumbing/Fire Protection) \$ 1,217,583.74 BIOSOLIDS HANDLING IMPROVEMENTS \$ 10,929,016.19 Ridley Electric (Electrical) \$ 1,476,223.00 Ariside Technology (HVAC) \$ 532,187.00 Burns Bros. (Plumbing) \$ 1,476,223.00 Ariside Technology (HVAC) \$ 532,187.00 Burns Bros. (Plumbing) \$ 1,73,679.09 Independent FiedI Svs (Cogen) \$ 18,019.75 CEO'S CLINTON CONVEYANCES PHASE I & 2A The Delaney Group, Inc. \$ 14,478,053.39 The Delaney Group, Inc. \$ 14,478,053.39 MOU (City of Syracuse) \$ 3,825,000.00 MOU (City of Syracuse) (Connective Corridor) \$ 3,825,000.00 MOU (City of Syracuse) (Connective Corridor) \$ 188,046.14 Davis Wallbridge (Pearl St/Lot 3) \$ 635,873.93 Davis Wallbridge (Fownsend St.) \$ 476,625.39 J&B (Pirro		
M.A. Bongiovanni Construction \$ 9,045,731.95 GENERAL - CONTRACT 4 The Pike Company (General) \$ 46,860,263.46 Ridley Electric Co. (Electrical) \$ 6,927,238.00 Edward Joy Company (HVAC) \$ 3,009,057.61 Burns Brothers (Plumbing/Fire Protection) \$ 1,217,583.74 BIOSOLIDS HANDLING IMPROVEMENTS \$ 10,929,016.19 Ridley Electric (Electrical) \$ 1,476,223.00 Ariside Technology (HVAC) \$ 532,187.00 Burns Bros. (Plumbing) \$ 1,476,223.00 Ariside Technology (HVAC) \$ 532,187.00 Burns Bros. (Plumbing) \$ 1,73,679.09 Independent FiedI Svs (Cogen) \$ 18,019.75 CEO'S CLINTON CONVEYANCES PHASE I & 2A The Delaney Group, Inc. \$ 14,478,053.39 The Delaney Group, Inc. \$ 14,478,053.39 MOU (City of Syracuse) \$ 3,825,000.00 MOU (City of Syracuse) (Connective Corridor) \$ 3,825,000.00 MOU (City of Syracuse) (Connective Corridor) \$ 188,046.14 Davis Wallbridge (Pearl St/Lot 3) \$ 635,873.93 Davis Wallbridge (Fownsend St.) \$ 476,625.39 J&B (Pirro		
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		\$ 73,480.00
Jov Process Mechanical (Cistern War Memorial) \$ 82.615.00		\$ 79,762,460.98
	Joy Process Mechanical (Cistern War Memorial)	\$ 82,615.00
C&S Technical (Cistern War Memorial) \$ 233,652.56	•	
Green Culture (Rain Barrels) \$ 44,335.50	Green Culture (Rain Barrels)	\$ 44,335.50
Syracuse Utilities (Duct Bank) \$ 59,982.56	Syracuse Utilities (Duct Bank)	\$ 59,982.56
Water Cooling Corp. (Storage Tank) \$ 2,875.00	Water Cooling Corp. (Storage Tank)	\$ 2,875.00

MOU City of Syracuse (Road Reconstruction)	\$	638,997.06
MOU City of Syracuse (Dr. Weeks)	\$	89,000.00
MOU City of Syracuse (Bank Alley)	\$	108,000.00
MOU City of Syracuse (Upstate)	\$	1,500,000.00
Walbridge (Streetscape/Water St)	\$	1,432,437.86
Ruston Paving (Sunnycrest Parking Lot)	\$	410,372.20
MA Bongiovanni Inc.	\$	3,000.00
Acts II Construction (Skiddy Park)	\$	550,916.44
D.E. Tarolli (Otisco Street)	\$	1,847,459.81
Orchard Earth & Pipe (Syr School dist Park Lot)	\$	430,172.42
Slate Hill Construction (E. Water St)	\$	147,952.84
Davis Wallbriddge (Onon Cty Pub Library)	\$	320,291.95
Tumbers, Schichtels Nursery (Trees), Martisco, Dixie, Pro Scapes	\$	715,989.27
Acts II (Seymour Academy)	\$	373,309.00
Paul R. Vitale (City Lot 4)	\$	607,852.44
John R. Dudley (Leavenworth Park)	\$ \$	719,311.20
VIP (Onon Public Library)	Ψ \$	54,160.06
Ballard Construction (Westcott Comm Ctr)	\$	52,500.00
Cornerstone Paving (Oswego St)	\$	109,046.54
John Dudley Construction (W. Onondaga St.)	\$	1,371,475.75
Barrett Paving (W. Fayette St.)	\$	588,982.07
Davis Wallbriddge (Westcott St.)	\$	870,263.89
ProScapes (Sunnycrest Arena)	\$	87,585.22
Acts II (E. Washington St)	\$	155,591.53
John R. Dudley (690 Downspout)	\$	597,965.65
Josall (Maganelli Comm Ctr)	\$	378,400.00
Spectra (Butternut Circle)	\$	65,640.00
Barton & Loguidice (State St)	\$	159,400.00
D E Tarolli (annual green)	\$	87,928.50
Jeffrey DeRoberts (GIF)	\$	99,311.00
King & King Architects (GIF)	\$	100,000.00
Jefferson Clinton Commons (GIF)	Ψ \$	100,000.00
ESF Foundation, Abby Lane Housing (GIF)	\$	78,000.00
Hotel Skyler (GIF)	\$	100,000.00
Near West Side Initiatives, Inc. (GIF)	\$	22,730.69
Near West Side Initiatives, Inc. (GIF)	\$	78,000.00
Tash Taskale (GIF)	\$	100,011.00
St. Lucy's Church (GIF)	\$	125,000.00
Putnam Properties (GIF)	\$	75,757.00
Centro (GIF)	\$	65,390.00
500 W. Onondaga St. Inc. (GIF)	\$	52,740.00
CNY Jazz Arts Foundation (GIF)	\$	52,188.00
Jim & Juli Boeheim Foundation (GIF)	\$	163,203.51
Home Headquarters, Inc. (GIF)	\$	40,500.00
Galleries of Syr, 147 E. Onondaga St. (GIF)	\$	100,000.00
Syracuse Housing (GIF)	\$	120,290.00
Kopp billing Agency (GIF)	φ \$	25,300.00
	Ψ	20,000.00

CONTRACTORS FOR CONSTRUCTION PROJECTS CSO's (cont)

CNY Philanthropy (GIF)	\$	62,700.00
American Beech (GIF)	\$	53,050.00
Park Central Presbyterian Church (GIF)	\$	61,050.00
Loon Creek (GIF)	\$	137,350.00
NHW Syracuse (GIF)	\$	129,400.00
McMahan/Ryan Child Advocacy (GIF)	\$	178,050.00
St. Lucy's Church (GIF)	\$	17,700.00
Bethany Baptist Church (GIF)	\$	301,930.00
St. Lucy's Church (GIF)	\$	69,000.00
500 W. Onondaga St. Inc. (GIF)	\$	34,347.00
Onondaga Commons LLC (GIF)	\$	124,200.00
Onondaga Commons LLC (GIF)	\$	198,300.00
Onondaga Commons LLC (GIF)	\$	175,787.00
Onondaga Commons LLC (GIF)	\$	77,800.00
Gemmi Boy (GIF)	\$	47,537.00
Mr. Lady Bug (GIF)	\$	46,700.00
Grace Episcopal Church (GIF)	\$	99,000.00
Snapse Downtown (GIF)	\$	35,700.00
360 Warren Associates (GIF)	\$	107,864.00
Housing Visions Unlimited (GIF)	\$	194,650.00
Near West Side Initiatives, Inc. (GIF)	\$	34,500.00
Scannell Properties (GIF)	\$	204,000.00
Genesee Armory (GIF)	\$	144,400.00
Third National Associates (GIF)	\$	533,300.00
Center for Peace & Social Justice (GIF)	\$	57,700.00
Graham Millwork (GIF)	\$	90,500.00
Onondaga Commons LLC (GIF)	\$	124,100.00
Onondaga Commons LLC (GIF)	\$	33,400.00
Onondaga Commons LLC (GIF)	\$	294,300.00
PEACE (GIF)	\$	52,200.00
Syracuse Business Center (GIF)	\$	288,400.00
Erie Bruce Corp (GIF)	\$	151,700.00
Visiting Nurses Association (GIF)	\$	60,349.20
Near West Side Initiatives, Inc. (GIF)	\$	94,300.00
JNJ Syracuse (GIF)	\$	32,600.00
UAS (GIF)	\$	57,600.00
Brewster Medical (GIF)	\$	221,000.00
Southside Community (GIF)	\$	59,800.00
J C Smith Inc. (GIF)	\$	337,250.00
Burnet Railroad (GIF)	\$	357,400.00
Taksum Assoc. (GIF)	\$	45,200.00
Zip Networks (GIF)	\$	205,775.00
Ra lin Inc. (GIF)	\$	137,000.00
Ra lin Inc. (GIF)	\$	206,450.00
Butternut St. LLC (GIF)	\$	104,430.00
Nojaim Inc. (GIF) St. Joseph's Hopital Health Center (GIF)	\$ \$	234,800.00
	φ	145,900.00

University Hill Apts. (GIF) WCNY (GIF) Auto Row (GIF) J C Smith Inc. (GIF) St. Joseph's Hopital Health Center (GIF) Housing Visions Unlimited (GIF) Thomas J Cerio (GIF) R J Westcott (GIF) R J Westcott (GIF) R J Westcott (GIF)	 \$ 36,500.00 \$ 98,527.00 \$ 164,000.00 \$ 84,411.00 \$ 33,100.00 \$ 70,200.00 \$ 36,750.00 \$ 125,750.00 \$ 119,687.00 \$ 13,500.00
ERIE BOULEVARD STORAGE SYSTEM	
M. Hubbard Construction	\$ 1,556,752.00
Rdiley Electric (Electrical)	\$ 154,059.00
Endeco/YSI (SE33923)	\$ 24,117.90
FRANKLIN STREET FCF	
Burns Bros (Mechanical)	\$ 179,167.67
Scriba electric (Electrical)	\$ 144,640.61
Burns Bros. (Plumbing)	\$ 28,400.00
Maxim	\$ 3,568,029.43
HARBOR BROOK CSO ABATEMENT	
Joseph J. Lane Construction (Interceptor Sewer Replacement)	\$ 23,391,425.07
Bette Cring (Elephant Barn Greening)	\$ 207,701.00 \$ 270,068,06
John Dudley Construction (Geddes St) J&B Installaions (Hazard Library/Erie Canal Museum)	\$ 279,068.06 \$ 67,275.00
Economy Paving (Rosamond Gifford Zoo)	\$ 688,638.00
J.J. Lane (Lower HB)	\$ 5,373,078.94
A.J. Montclair (HB CSO Storage)	\$ 260,000.00
C.O. Falter (HB CSO Storage)	\$ 30,259,100.80
Davis Wallbridge (Onon Cty Pub Library)	\$ 378,920.43
Cornerstone Paving (Parking Lots)	\$ 149,195.48
Green Culture	\$ 80,665.00
Tumbers, Schichtels Nursery (trees), Proscapes, Dixie	\$ 325,204.73
City of Syracuse	\$ 3,342,875.63
VIP Steadman Old Farm	\$ 54,160.06 \$ 11,480.00
Marcellus Const. (CSO 063)	\$ 11,480.00 \$ 5,780,441.00
OnSite	\$ 8,755.00
J J Lane (CSO 18)	\$ 4,370,168.29
Patricia Electric (Wetland Pilot)	\$ 194,436.23
MOU City of Syracuse (Road Reconstruction)	\$ 138,165.00
Davis Wallbridge (Wadsworth Park)	\$ 345,524.55

<u>CSO's (cont)</u>		
Acts II (Lewis Park)	\$	217,285.58
Knapp Electric (Wetlands)	\$	41,856.00
Vitale Excavating (Bedding Sand), Butler Fence	\$	232,533.35
J & J Landscape	\$	34,742.00
Bette Cring (Zoo Wetlands)	\$	1,290,064.10
DE Tarolli (Green Structures)	\$	805,498.06
Vibrant Spaces, LLC (GIF)	\$	153,618.00
NYSARC, Inc. (GIF)	\$	78,907.14
Consuela's Westside Taqueria (GIF)	\$	29,988.00
Consuela's Tato Britter (GIF)	\$	8,249.50
James Ranalli, W. Genesee (GIF)	\$	616,100.00
Vibrant Spaces, LLC (GIF)	\$	198,680.00
Brooklyn Pickle (GIF)	\$	30,555.00
St. Patrick's Loft (GIF)	\$	177,300.00
Smith Housing (GIF)	\$	52,600.00
Richard Destito (GIF)	\$	152,300.00
Burnet Park Newstand (GIF)	\$	59,256.00
All Times (GIF)	\$	76,500.00
HARBOR BROOK FCF	۴	070 070 04
C.O. Falter Construction Corp. (General)	\$	373,370.21
KIRKPATRICK ST. PUMP STATION & FORCE MAIN		
C.O. Falter Construction Corp.	\$	4,398,009.12
C.O. Falter Construction Corp.	\$	4,425,766.31
Patricia Electric	\$	761,184.63
King & King Mechanical	\$	245,569.51
G.J. Adams Plumbing	φ \$	51,624.16
G.J. Adams Flumbing	φ	51,024.10
MALTBIE STREET FCF		
Over & Under Piping	\$	152,418.00
over & onder ripling	Ψ	152,410.00
MIDLAND AVENUE CONVEYANCES		
Marcellus construction (General)	\$	1,836,434.47
Marcellus construction (General)	Ψ	1,000,404.47
MIDLAND AVENUE PHASE II CONVEYANCES & RTF		
Empire Dismantlement Corp. (Demolition)	\$	457,681.50
Murnane Building Contractors, Inc. (General)		47,929,392.75
Ridley Electric Company (Electrical)		2,904,771.00
Edward Joy Company (HVAC)		2,904,771.00 2,053,808.50
Edward Joy Company (Plumbing)	ъ \$	
Laward Joy Company (Flumbing)	φ	+0+,/1/.1/

MIDLAND AVENUE PHASE III CONVEYANCES

MIDLAND AVENUE FRASE III CONVETANCES		
Titan Wrecking & Environmental, LLC (Demolition)	\$	290,801.39
J.J. Lane		12,098,662.37
Acts II (Hugh's Magnet School Parking Lot)	\$	314,439.81
Davis Wallbridge (Onon Cty Pub Library)	\$	116,033.35
Tumbers, Schichtels Nursery (Trees)	\$	189,470.44
VIP (Onon Public Library)	\$	27,080.03
Green Culture (Rain Barrels)	\$	44,335.50
Weather Guard Tecta (USPO Salina St)	\$	242,860.00
MOU City of Syracuse (Road Reconstruction)	\$	408,332.04
MA Bongiovanni (storage Tank)	\$	66,130.00
MOU City of Syracuse (ESF)	\$	100,000.00
Env. Design (Gazones Stormwater)	\$	66,500.00
Barton & Loguidice (green design)	\$	334,800.00
D E Tarolli (Annual green)	\$	212,665.48
Jubilee Homes of Syracuse (GIF)	\$	100,000.00
Dunbar Association, Inc. (GIF)	\$	99,840.00
Syracuse Model Neighborhood (GIF)	\$	250,000.00
People's AME Zion Church (GIF)	\$	61,400.00
People's Community Dev. Corp (GIF)	\$	80,825.00
Salina Shoe Salon (GIF)	\$	48,000.00
People's AME Zion Church (GIF)	\$	5,000.00
Matawon Development Group (GIF)	\$	24,214.00
Tucker Missionary Baptist Church (GIF)	\$	195,000.00
Swallows (GIF)	\$	117,200.00
Lauren Tawil (GIF)	\$	212,400.00
	Ŧ	,
SEWER SEPARATION - CSO 022/045		
Joy Process Mechanical (Plumbing)	\$	853,536.68
Joseph J. Lane Construction	Ψ \$	4,757,886.66
Joseph J. Lane Construction	Ψ	4,757,000.00
SEWER SEPARATION - CSO 024		
C.O. Falter Construction Corp.	\$	698,863.74
	Ŧ	
SEWER SEPARATION - CSO 053/054		
C.O. Falter Construction Corp.	\$	2,000,817.40
	Ψ	2,000,017.40
SEWER SEPARATION - CSO 038, 040, 046A&B		
C.O. Falter Construction Corp.	\$	3,524,487.29
	Ψ	0,027,707.20
SEWER SEPARATION - CSO 047 & 048		
C.O. Falter Construction Corp.	\$	1,654,022.34
	Ψ	.,

SEWER SEPARATION - CSO 050 Joseph J. Lane Construction	\$	4,360,527.06
SEWER SEPARATION - CSO 051 Joseph J. Lane Construction	\$	5,029,323.00
SIPHON REHABILITATION Insituform Metropolitan	\$	1,021,822.99
TEALL BROOK FCF		
C.O. Falter Construction Corp. (General) Scria Electric (Electrical)	\$ \$	877,095.43 26,470.20
WEST STREET AREA SEWER SEPARATION Maxim Construction (General)	\$	2,311,125.85

WEP ACRONYMS

ACJ	Amended Consent Judgment
AMP	Ambient Monitoring Program
AMSA	Association of Metropolitan Sewerage Agencies
ARRA	American Recovery and Reinvestment Act
ASLF	Atlantic States Legal Foundation
AWQS	Ambient Water Quality Standards
BAF	Biological Aerated Filter (Biostyr)
BMP	Best Management Practices
BOD	Biological Oxygen Demand
BPJ	Best Professional Judgment
Brew	WEP's Standard Abbreviation for the Brewerton Wastewater Treatment Plant
Bville	WEP's Standard Abbreviation for the Baldwinsville Wastewater Treatment Plant
CAA	Clean Air Act
CALM	Consolidated Assessment and Listing Methodology
CAMP	Community Air Monitoring Plan
CIP	Capital Improvement Plan
CMOM	Capacity, Management, Operation, and Maintenance
CSLAP	Citizens Statewide Lake Assessment Program
CSO	Combined Sewer Overflow
CWA	Clean Water Act
CWA DMR	Clean Water Act Discharge Monitoring Report
DMR	Discharge Monitoring Report
DMR DO	Discharge Monitoring Report Dissolved Oxygen
DMR DO EBM	Discharge Monitoring Report Dissolved Oxygen Ecosystem-Based Management
DMR DO EBM ECL	Discharge Monitoring Report Dissolved Oxygen Ecosystem-Based Management Environmental Conservation Law
DMR DO EBM ECL ECM	Discharge Monitoring Report Dissolved Oxygen Ecosystem-Based Management Environmental Conservation Law Energy Conservation Measures
DMR DO EBM ECL ECM EECBG	Discharge Monitoring Report Dissolved Oxygen Ecosystem-Based Management Environmental Conservation Law Energy Conservation Measures Energy Efficiency and Conservation Block Grant
DMR DO EBM ECL ECM EECBG ELAP	Discharge Monitoring Report Dissolved Oxygen Ecosystem-Based Management Environmental Conservation Law Energy Conservation Measures Energy Efficiency and Conservation Block Grant Environmental Laboratory Approval Program
DMR DO EBM ECL ECM EECBG ELAP EMS	Discharge Monitoring Report Dissolved Oxygen Ecosystem-Based Management Environmental Conservation Law Energy Conservation Measures Energy Efficiency and Conservation Block Grant Environmental Laboratory Approval Program Environmental Management System
DMR DO EBM ECL ECM EECBG ELAP EMS ERM	Discharge Monitoring Report Dissolved Oxygen Ecosystem-Based Management Environmental Conservation Law Energy Conservation Measures Energy Efficiency and Conservation Block Grant Environmental Laboratory Approval Program Environmental Management System Environmental Resource Mapper

HRFS	High Rate Flocculation Settling
I & I	Inflow & Infiltration
IW	Industrial Wastewater
km	Kilometers
km ²	Square Kilometers
LA	Load Allocations
LF	Linear Feet
m	Meters
МСР	Municipal Compliance Plan
MDV	Multiple Discharge Variance
Metro	WEP's Standard Abbreviation for the Metropolitan Syracuse Wastewater
	Treatment Plant
MGD	Million Gallons Per Day
mg/L	Milligrams Per Liter
MIS	Main Interceptor Sewer
ML	WEP's Standard Abbreviation for the Meadowbrook/Limestone WWTP
MS4s	Municipal Separate Storm Sewer Systems
mt	Metric Tons
NACWA	National Association of Clean Water Agencies
NBP	National Biosolids Partnership
NELAC	National Environmental Laboratory Accreditation Conference
NPDES	National Pollutant Discharge Elimination System
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSEFC	New York State Environmental Facilities Corp.
NYWEA	New York Water Environmental Association
OAK	WEP's Standard Abbreviation for the Oak Orchard WWTP
OLP	Onondaga Lake Partnership
OLWQM	Onondaga Lake Water Quality Model
OU	Odor Unit
P2	Prevention Program
P2CO	Prevention Program County Operations
PdM	Predictive Maintenance

PIDs	Photo-ionization Detectors
PFRP	Process to Further Reduce Pathogens
PLA	Project Labor Agreement
POTW	Publicly Owned Treatment Works
PWL	Priority Waterbodies List
RTF	Regional Treatment Facility
SCA	Sediment Consolidation Area
SCADA	Supervisory Control and Data Acquisition
SEPS	Secondary Effluent Pump Station
SEQR	State Environmental Quality Review
SGIP	Suburban Green Infrastructure Program
SHB	Solids Handling Building
SMPs	Storm Water Management Practices
SOP	Standard Operating Procedure
SORP	Sewer Overflow Response Plan
SPCC	Spill Prevention, Control, and Countermeasures
SPDES	State Pollutant Discharge Elimination System
SRP	Soluble Reactive Phosphorus
SSES	Sanitary Sewer Evaluation Study
SSI	Sewage Sludge Incinerator
SSV	Site-Specific Variance
SUNY-ESF	State University of New York College of Science and Forestry
SWMM	Storm Water Management Modeling
SWMP	Storm Water Management Plan
SWPPP	Storm Water Pollution Prevention Plan
TBEL	Stechnology-Based Effluent Limits
TDP	Total Dissolved Phosphorus
TMDL	Total Maximum Daily Load
TP	Total Phosphorus
TSI	Trophic State Index
UAA	Use Attainability Analysis
UFI	Upstate Freshwater Institute
ug/l	Micrograms per Liter
USEPA	United States Environmental Protection Agency

USFWS	United States Fish and Wildlife Service
USGBC	United States Green Building Council
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compounds
WAN	Wide Area Network
WLA	Waste Load Allocations
WEF	Water Environment Federation
WEP	Water Environment Protection
WET	Whole Effluent Toxicity
WLA	Waste Load Allocations
WQBEL	Water Quality-Based Effluent Limits
WR	WEP's Standard Abbreviation for the Wetzel Road Wastewater Treatment Plant
WSE	Waste Stream Environmental