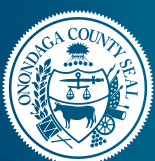


Save the Rain

Second Quarterly Report 2017



April - June 2017



Joanne M. Mahoney
County Executive

Save the Rain
www.savetherain.us

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



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Project Progress

Report from the Commissioner

Items of note this past quarter:

On June 19, County Executive Mahoney announced an exciting new campaign as part of the award-winning Save the Rain program. It is a collaborative effort with OCRRA, encouraging the community to “BLOCK LITTER” to keep it out of our streets and out of our waterways. When it rains, street litter is washed along the roadways and down storm drains, eventually making its way to Onondaga Lake and its

tributaries. 98% of litter that ends up in the Lake comes from street litter. The Block Litter program is emphasizing the importance of community participation, tackling the litter problem one “block” at a time. Last year, the County collected almost 60 tons of trash and debris: 23+ tons from the Inner Harbor; 35+ tons from our five net bag facilities throughout the Consolidated Sanitary District (CSD), and 389 bags full from our green spaces. Visit Syracuse, the Armory Square Association, 40 Below, and the Downtown Committee are just a few of the many local organizations already on board. The County is asking that everyone get involved, sign up on our website, or blocklitter.com.



Studies show that the more litter there is, the more inclined people are to litter. Here a WEP co-worker is cleaning a blocked catch basin.



Take the pledge to block litter.

- Adopt your block. Have a block party with some friends to team up and make your block an example others will follow. When you go for a walk or a run, bring along a sturdy collection bag. For families, make a game out of who can find the most items. Always, wear gloves and be safe around traffic.
- Block Litter! If you see someone pitching garbage out a window, accurately jot down the license plate, and report it to the State Police. They will investigate.
- Block Litter! Set an example for your family, friends and co-workers by taking responsibility for the waste you generate. Use trash cans and carry a litterbag or portable ashtray in your car. Make sure your trash can has a securely fastened lid.
- Block Litter! Source control works, businesses can offer ash receptacles and convenient trash containers, and minimize the amount of packaging and junk mail for their products.

Block Litter! Cleaning up does help.

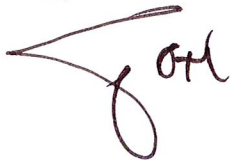
For a great video of the County Executive's BLOCK LITTER announcement and more information on the campaign, please visit: <http://savetherain.us/>

And while you are on the website, check out this year's winners from the Rain Barrel Art Contest. WEP and Save the Rain received many creative entries from local elementary, middle and high schools, and we thank them all for their participation and to everyone that voted on our website for their "favorites". They were all great and they are all winners.

Lots of construction work scheduled this summer on our green projects. Final construction work is wrapping up this quarter on the green separation project in CSO 052. This is the site of the former Garzone's Restaurant, an area that was prone to drainage problems and neighborhood flooding. Working with the City of Syracuse, the County installed a new storm sewer system with underground infiltration basins to better collect and manage runoff. We are anticipating the new facilities to be fully operational by the next quarter. Another project wrapping up this quarter is the State Street Green Corridor project. This project, partially funded with a DEC Water Quality Improvement Grant, combines tree plantings and trenches, bio-retention basins and porous pavers to capture an estimated 3 million gallons/year of runoff. The green infrastructure project at the McKinley Park Basketball Court (CSO 067) is close to completion. Court striping and new sod and then ribbon cutting next month. The green streets projects in CSO 060/077 will be advancing to construction over the next several months. Lancaster Ave was the first street under this project and is almost complete. All of these green street projects make use of green technologies, rain gardens, infiltration trenches and bio-retention areas to capture stormwater runoff. They say a picture is worth a 100 words and following this Report is a presentation highlighting the progress to date on many of our green projects.

In closing, I'd like to take this opportunity to invite everyone to WEP's Annual Clean Water Fair at Metro on 9/16/17. This event allows us to interact and engage with the community, educate and communicate the importance of wastewater treatment and to have fun in the process.

Respectfully Submitted,

A handwritten signature in dark ink, appearing to read "Tom Rhoads", with a stylized flourish at the end.

Tom Rhoads P.E.
Commissioner

Green Project Update

June 2017



Onondaga County Executive
Joanne M. Mahoney

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www.savetherain.us

Green Separation in CSO 052 (Garzone's)

- Construction substantially complete
 - Eastern basin receiving stormwater runoff
 - Western basin in establishment phase
- Walkthrough with City on 6/20
- Schedule:
 - Punch list work to be completed by the end of July
- Public Outreach:
 - Positive feedback; “Driest I’ve ever seen it”
 - Minimal concerns received to date



Green Separation in CSO 052 (Garzone's)



Onondaga County Executive
Joanne M. Mahoney

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Green Separation in CSO 052 (Garzone's)



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Joanne M. Mahoney

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State Street WQIP

- Punch list work being completed
- Walkthrough with City imminent



Lancaster Ave. (CSO 060/077)

- Construction 90% complete
 - Bioswales, tree plantings, and final paving remain



McKinley Park Basketball Court (CSO 067)

- Construction 95% complete; court striping and sodding remain
- On schedule for Courts4Kids ribbon cutting (anticipating after July 4th)
- Public Outreach:
 - WEP flyered neighborhood
 - Banner to be hung during construction



McKinley Park Basketball Court (CSO 067)



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Infiltration Manhole Pilot (CSO 052)

- Construction started last week
 - Craddock Street @ Glenwood
 - Bishop Ave. @ Elmhurst
- Issue with National Grid gas mains will delay completion
- Public Outreach:
 - WEP flyered neighborhood prior to construction
 - CH2M presented at 052 Streets public meeting in March
 - Two resident complaints on Bishop Ave.



Infiltration Manholes



Onondaga County Executive
Joanne M. Mahoney

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CSO 060/077 Projects

- McKinley Ave. – Construction imminent
- Ackerman Ave. – Construction starting after July 4th
- Comstock Ave. – Final design available
 - Construction after 2018 SU Commencement
- Roney Lane – Final design pending resolution of buried manhole location
 - Construction planned for fall 2017
- Public Outreach
 - WEP presenting at various community meetings



CSO 052 Projects

- CSO 052 Projects
 - Green Street Candidates (OBG): 90% design imminent; to be reviewed in the near future
 - Elmhurst Ave.
 - South Ave.
 - Charmouth Dr.
 - Fairfield Ave.
 - Hutchinson Ave.



Project Status Update

- CSO 067 Candidates
 - Newell Street at Vale Street (Spectra) – Construction July/Aug.
 - Vacant Lot at 621 West Newell (Maxian and Horst) – Construction July/Aug.
 - McKinley Park (EDR) – Final design available; construction spring 2018 to allow National Grid to replace gas main first
- CSO 029 (Walton Street)
 - WEP reviewing engineering design proposals



2017 Road Reconstruction Projects

- Construction imminent; designs available
 - East Colvin between Comstock and Jamesville (060/077)
 - Wellesley Ave. between Glenwood and Charmouth (052)
- Construction later in 2017; designs under development
 - Prospect Ave. between St. Joseph's and Butternut (020)
 - Hastings Place between James and Melrose (073A)
- Public Outreach
 - WEP will flyer streets prior to construction



Harbor Brook Project Candidates

- WEP reviewing engineering design proposals; update at next meeting
 - West Genesee Street between Sackett and N. Geddes (CSO 005)
 - Lakeview Ave. between Park and Apple (CSO 006)
 - Richmond Ave. between Liberty and N. Geddes (CSO 007)
 - SFD Firehouse No. 5 (CSO 007)
 - Magnolia St. between Wilbur and Fayette (CSO 009)
 - Wilbur Ave. between Conservation and Marcellus (CSO 009)
 - Bellevue Elementary JSCB (CSO 014) – WEP to fund at \$0.10 - \$0.20/gal



An aerial photograph of a city area, likely in the Kansas City region, showing a grid of streets and green spaces. Several areas are outlined in blue, and each is labeled with the text '060/077'. The outlined areas are located in the southwest, center, and east-central parts of the map. Major roads like I-70 and I-49 are visible. The Google Earth logo and '© 2016 Google' are in the bottom right corner.



Google earth

Questions?

Please visit our website: www.SaveTheRain.us

Follow [@SaveTheRainUS](https://twitter.com/SaveTheRainUS) on Twitter &
Like Onondaga County Save the Rain on Facebook
<https://www.facebook.com/savetherainus>



Onondaga County Executive
Joanne M. Mahoney

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GRAY PROJECTS UPDATE

Gray Projects Update

There were no gray projects underway in the Save the Rain program during the second quarter of 2017.

GREEN PROJECTS UPDATE

Green Projects Update

Progress continued on several Save the Rain projects during the second quarter of 2017.

Construction of the Green Separation in CSO 052 project resumed and was substantially completed during the quarter. The project consisted of a new stormwater management facility on the city-owned property (formerly Garzone's Restaurant) to manage ponding on-site as well as additional stormwater from Cornell Ave. and South Ave within CSO 052. Two detention basins were completed during the quarter as well as site stabilization with no-mow seed mixes and 90 trees. The separate storm sewer and infiltration facility on Mitchell Avenue was constructed in 2016 and includes stormwater capture between South Avenue and Armstrong Place. The County's Save the Rain team continues to stay in close contact with the local neighborhood and has heard positive feedback from many to date. At the end of the quarter the project reached the closeout phase with punch list completion and full facility activation anticipated by the end of the third quarter.

During the second quarter, construction also began on the CSO 060/077 green street candidate projects. The Lancaster Avenue project was completed, with the exception of punchlist items, and the McKinley Avenue project began in June. The Ackerman Avenue project is expected to begin early in the third quarter after National Grid completes their gas main relocation work. Both McKinley and Lancaster Avenues are anticipated to be completed during the third quarter. The design of the Comstock Avenue project was finalized during the quarter, and construction will begin in the spring of 2018 after the Syracuse University Commencement. The Roney Lane design also neared finalization with construction anticipated during the fall of 2017. The County's Save the Rain team has been communicating about the construction schedule with the Outer Comstock Neighborhood Association, Southeast University Neighborhood Association, Eastside TNT, and other local community groups for these projects. Additional public outreach will continue as these projects continue to advance.

The construction of the McKinley Park Courts 4 Kids porous pavement basketball court project was completed during the quarter with an opening ceremony anticipated in the beginning of the third quarter. Also, construction of the pilot infiltration manholes project began during the quarter. These infiltration manholes are anticipated to be used in locations where there are utilities restricting available space for standard green technologies in the future.

Construction is also anticipated to begin in the 3rd quarter for the Vacant Lot at 621 West Newell Street and Newell Street at Vale Street projects in CSO 067. Additionally, the design of the McKinley Park, park enhancement project reached final design during the quarter. Construction of this project will be held until spring 2018 after National Grid relocates a gas main over 100 years old. The Save the Rain team has been communicating with the McKinley Park Supporters

Progress continues to be made through the efforts of the Green Planning Committee (GPC). The 90% design for the CSO 052 Green Streets (South Avenue, Charmouth Avenue, Fairfield Avenue, Hutchison Avenue, and Elmhurst Avenue) was completed during the quarter. Construction of these projects is anticipated in 2017 and 2018. The County received bids from design professionals for the candidate projects in the Harbor Brook CSOs (005, 006, 007, 009, and 014) for implementation by 2018.

Discussions between the GPC, County, and City on a green infrastructure approach for CSO 029 continued during the second quarter, with the expectation of the development of a plan this year.



FACT SHEET

Green Park: McKinley Park

Project:	McKinley Park
Project Owner:	City of Syracuse Parks Department
Project Location:	West Newell Street, West Calthrop, and West Pleasant Avenues.
Sewershed:	Midland
CSO:	067
GI Technologies:	Bioretention, Infiltration, and Porous Pavement
Capture Area:	51,800 sq. ft. (estimated)
Runoff Reduction:	945,000 gal/yr (estimated)
Year Contracted:	2017 (projected)
Cost:	\$625,000 (engineer's estimate)
Prime Contractor:	TBD

Project Description: The McKinley Park Project is one of many projects being accomplished through the collaborative efforts of Onondaga County and the City of Syracuse Parks Department. As a neighborhood park, McKinley Park has served the recreational needs of the community since 1920. The primary goal of the project is to reduce the volume of stormwater that flows into the combined sewer system along West Newell Street, West Calthrop Avenue, and West Pleasant Avenue – all within the CSO 067 area. The County intends to implement various green infrastructure technologies, including bioretention and porous pavement with an underground infiltration system. This infrastructure will capture runoff from the park and surrounding areas, totaling 51,000 square feet of drainage area. Stormwater will slowly evaporate and/or infiltrate underground, eliminating excess drainage to the sewer system and improving the overall stormwater management and drainage in this area.

A secondary goal of this project is to enhance McKinley Park by increasing green space and improving the basketball court. Existing pavement formerly used as a tennis court will be removed entirely and replaced with open green space. Additionally, the current basketball half-court is being replaced with a full-sized porous pavement basketball court in partnership with the Jim and Juli Boeheim Foundation's Courts4Kids Program. Court construction is near completion, with an opening ceremony scheduled for July 2017. Construction on the remaining improvements is scheduled to start later in 2017. When the project is fully completed, an estimated 945,000 gallons of stormwater runoff per year will be removed from the CSO 067 combined sewer.



Porous pavement basketball court construction



**Rendering of Bioretention Area
Along W. Newell Street**

Version 06/13/2017



FACT SHEET

Green Separation in CSO 052: South & Mitchell Avenues

Project:	Green Separation in CSO 052
Project Owner:	City of Syracuse
Project Location:	2426 South Avenue and Mitchell Ave. between South Ave. & Armstrong Pl.
Sewershed:	Midland
CSO:	052
GI Technologies:	Detention/Slow Release, Infiltration, and Storm Sewer Separation
Capture Area:	1,031,100 sq. ft.
Runoff Reduction:	3,781,200 gal/yr
Year Contracted:	2016
Bid Cost:	\$1,840,000
Prime Contractor:	Marcellus Construction Co., Inc.

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 undertook 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 is currently under construction 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 has storage capacity for 1,155,700 gallons of stormwater. Stormwater will be slowly released to the Armstrong Place combined sewer system over time. 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 is collected in a new storm sewer system and directed to an underground stormwater infiltration basin with a runoff reduction volume of approximately 1,241,900 gallons per year. The Mitchell Avenue storm sewer system was constructed August 2016 - September 2016. The detention basins off of South Avenue started construction in 2016, with expected completion of all improvements by Fall of 2017.



Mitchell Ave Underground Infiltration



South Ave Basin construction

Version 06/13/17



FACT SHEET

Green Street: Newell Street

Project Description: The Newell Street Green Street Project demonstrates the continued partnership between Onondaga County and the City of Syracuse through the Save the Rain Program. The project concept was put forth by the Green Project Committee with stakeholder input from county, city, and citizen representatives.

This project involves the construction of an underground infiltration trench which will occupy the north side of Newell Street between the Onondaga Creek Bridge and Vale Street.

The infiltration trench will manage stormwater runoff from an estimated 5,182 square feet of drainage area from Newell Street in the maximum amount of storage space possible without disrupting the existing underground utilities in this area.

Being completely underground, the infiltration trench system will provide high capture efficiency without requiring an obtrusive footprint at the surface.

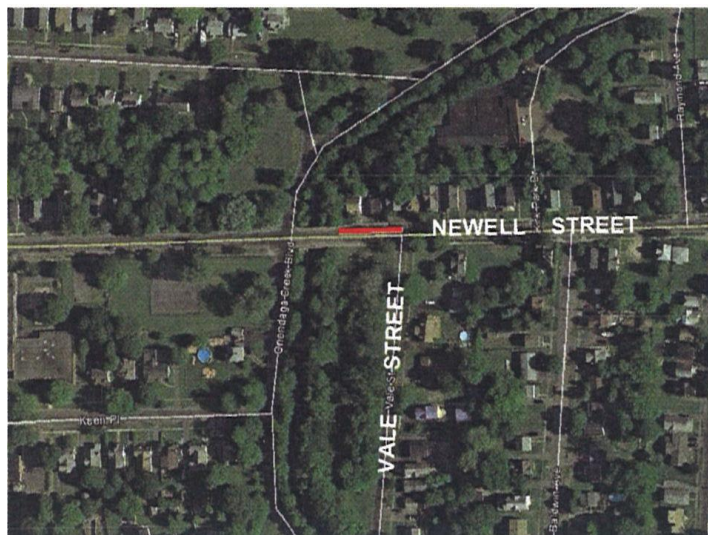
This project is expected to be constructed during the third quarter of 2017.

Upon completion, this green street project will capture nearly 92,000 gallons of stormwater runoff annually.

Project:	Newell Street
Project Owner:	City of Syracuse
Project Location:	Newell Street between Vale and Onondaga Creek Blvd.
Sewershed:	Midland
CSO:	067
GI Technology:	Underground Infiltration
Capture Area:	5,182 sq. ft.
Runoff Reduction:	91,492 gal/yr
Year Contracted:	2017 (anticipated)
Construction Cost:	\$ 59,855 (contractor estimate)
Prime Contractor:	D.E. Tarolli, Inc.



Photo of the Project Area before Construction at Newell Street, Looking West



Map of the Green Street Project Area

Version 06/12/2017



FACT SHEET

Green Streets in CSO 060/077 Sewershed

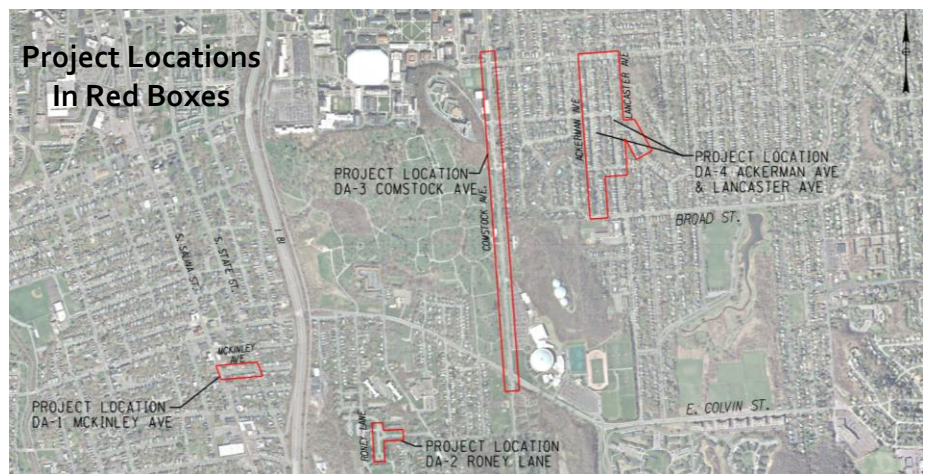
Project Description: The Green Streets in CSO 060/077 Sewershed projects are comprehensive green street applications located on multiple streets within the CSO 060/077 sewershed. CSO 060/077 is a high priority sewershed that discharges frequently during rain events. The candidate streets are listed below with capture area and runoff reduction estimates:

- McKinley Avenue (Summer 2017)
Capture Area: 123,709 sq. ft.
Runoff Reduction: 1,370,000 gal/yr
- Lancaster Avenue (Summer 2017)
Capture Area: 560,489 sq. ft.
Runoff Reduction: 3,290,000 gal/yr
- Ackerman Avenue (Summer 2017)
Capture Area: 387,245 sq. ft.
Runoff Reduction: 3,450,000 gal/yr
- Roney Lane (Spring 2018)
Capture Area: 187,742 sq. ft.
Runoff Reduction: 1,020,000 gal/yr
- Comstock Avenue (Spring 2018)
Capture Area: 659,494 sq. ft.
Runoff Reduction: 5,590,000 gal/yr

In 2017-2018, each street identified above will proceed to construction. Each design 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 street tree plantings in the right-of-way, the installation of infiltration trenches underneath the roadway, tree planters, and rain gardens and bioretention areas throughout the project boundaries.

Project:	Green Streets in CSO 060/077
Property Owner:	City of Syracuse
GI Technologies:	Bioretention, Bioswales, Infiltration Trenches
Project Locations:	McKinley Ave. between S. Salina St. and S. State St. Roney Ln. at Smith Ln. Comstock Ave. between E. Colvin St. and Euclid Ave. Ackerman Ave between Euclid and Kensington Rd Lancaster Ave. between Euclid and Kensington Rd
Sewershed:	Midland
CSO:	060/077
Capture Area:	1,918,679 sq. ft. (total, all areas)
Runoff Reduction:	14,720,000 gal/year (total)
Bid Price:	TBD
Year Contracted:	Estimated 2017/2018
Contractors:	D.E. Tarolli and J&J Landscaping



Version 06/12/2017

Lancaster Ave Infiltration Trenches



FACT SHEET

Road Reconstruction

East Colvin Street

Project:	East Colvin Street, Road Reconstruction
Project Owner:	City of Syracuse
Project Location:	East Colvin Street (Jamesville Ave. to Comstock Ave.)
Sewershed:	Midland
CSO:	060/077
GI Technology:	Underground Infiltration Trench
Capture Area:	122,060 sq. ft.
Runoff Reduction:	2,149,700 gal/yr
Year Contracted:	2017
Construction Cost:	TBD

Project Description: The Road Reconstruction project on East Colvin Street further exemplifies the continued partnership between Onondaga County and the City of Syracuse. This project will be another example of the City's Department of Public Works partnering with Onondaga County through their road reconstruction program for the inclusion of green infrastructure. This application, within CSO 060/077, is intended to reduce pollution to Onondaga Creek and Onondaga Lake.

The project will use six separate underground infiltration trenches spanning East Colvin Street between Jamesville and Comstock avenues. Each underground infiltration trench has varying widths, lengths and depths. The underground infiltration trenches are at different locations on East Colvin Street. This is due to multiple factors such as avoiding conflicts with water, sewer or electrical utilities. Stormwater runoff will be captured from the street via existing and new catch basins and allow the water to infiltrate into the stone storage and the ground. High flows from large rain events (above one inch over two hours) will flow back into the existing combined sewer system for safety. The streetscape will not look different after the work is complete, as the trenches are completely underground with no visible features at the surface. Being completely underground, the infiltration trench system provides a very high capture volume without requiring an obtrusive footprint at the surface. In total, this project will manage 122,060 square feet of impervious drainage area, equating to approximately 2,149,700 gallons of stormwater runoff annually, in the high priority area of CSO 060/077.



Typical Underground Infiltration Trench Construction (Clinton St., 2013)

Limits of the Road Reconstruction Project on East Colvin Street are outlined in red on the map to the right

Version 6/23/2017





FACT SHEET

Road Reconstruction

Wellesley Road

Project:	Wellesley Road, Road Reconstruction
Project Owner:	City of Syracuse
Project Location:	Wellesley Road (Charmouth Dr. to Glenwood Ave.)
Sewershed:	Midland
CSO:	052
GI Technology:	Underground Infiltration Trench
Capture Area:	25,263 sq. ft.
Runoff Reduction:	447,000 gal/yr
Year Contracted:	2017
Construction Cost:	TBD

Project Description: The Wellesley Road Reconstruction project exemplifies the continued partnership between Onondaga County and the City of Syracuse. This project will be another example of the City's Department of Public Works partnering with Onondaga County through their road reconstruction program for the inclusion of green infrastructure. This will be the tenth such partnership project to date.

The project includes two underground infiltration trenches on Wellesley Road between Charmouth Drive and Glenwood Avenue. The underground infiltration trenches are designed to capture runoff from the street via existing and new catch basins and allow the water to infiltrate into the stone storage and the ground. High flows from large rain events (above one inch over two hours) will flow back into the existing combined sewer system for safety. The streetscape will not look different after the work is complete, as the trenches are completely underground with no visible features at the surface. Being completely underground, the infiltration trench system provides a very high capture volume without requiring an obtrusive footprint at the surface. In total, this project will manage 25,263 square feet of impervious drainage area, equating to approximately 447,000 gallons of stormwater runoff annually, in



Typical Underground Infiltration Trench Construction (West Colvin Street, 2016)



Limits of Wellesley Road, Road Reconstruction Project are outlined in red on the map to the left.

Version 6/23/2017



FACT SHEET

Vacant Lot at 621 W. Newell Street

Project Description: This project will be one of two Save the Rain projects on West Newell Street. Previously, the 621 West Newell Street vacant lot was taken into ownership by the City of Syracuse in the year 2000. The lot has remained vacant since then and the site contains soil ideal for infiltration practices. A unique facet of this project is that the site is located approximately three hundred feet from Onondaga Creek and just down the road (approximately three and a half blocks) from McKinley Park, where another Save the Rain project will be constructed.

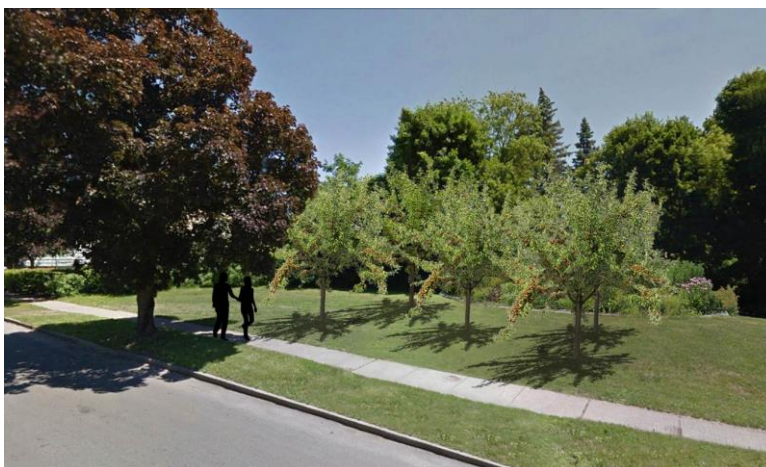
The green infrastructure technology included with this project is a bioretention basin. The bioretention basin is located between the sidewalk and existing tree line on the vacant lot parcel and is designed to capture stormwater from West Newell Street via existing drainage structures. The drainage area extends on West Newell Street from Vale Street to Baldwin Avenue. The bioretention area will be planted with native vegetation and it will serve as a form of community beautification.

In total, the bioretention basin will capture approximately 159,065 gallons of stormwater annually. Upon completion of the project in 2017, all runoff from this one block stretch of road on West Newell Street will be drained into a green infrastructure practice, instead of the combined sewer system.

Project:	Vacant Lot at 621 W. Newell St.
Project Owner:	City of Syracuse
Project Location:	621 West Newell Street
Sewershed:	Midland
CSO:	067
GI Technology:	Bioretention/Rain Garden
Capture Area:	20,593 sq. ft.
Runoff Reduction:	159,065 gal/yr
Year Contracted:	2017
Price:	\$93,645.63
Contractor:	D.E. Tarolli, Inc J&J Landscaping, LLC



**Existing Conditions at the Vacant Lot at
621 West Newell Street**



**Rendering of the Proposed Green Infrastructure at
the Vacant Lot at 621 West Newell Street**

Version 6/23/2017

GREEN IMPROVEMENT FUND

Green Improvement Fund (GIF) Projects Update

The 2017 Green Improvement Fund (GIF) application period opened in the second quarter. Applications will be accepted through December 15, 2017. Although no new applications were received during the quarter, construction of previously approved projects did proceed.

The Jubilee Homes (PriceRite) and Auto Row Realty (Crest Acura) projects completed construction, and construction continued on the Tan A Grocery Store and Park Avenue Lantern Corporation (formerly the Dietz Factory) projects. Additionally, construction of the 900 East Fayette Street project began this quarter.

Several other GIF projects are anticipated to reach the construction phase during the upcoming third quarter of 2017.

Green Improvement Fund Summary (as of 6/30/17)

Projects Completed	91
Contract/Implementation Phase	26
Projects in Award Phase	0
Applications Under Review	1
Inactive/Ineligible	44
Total Applications Received	162



FACT SHEET

Green Improvement Fund

Auto Row Realty (Crest Acura)

Project:	Auto Row Realty (Crest Acura)
Project Owner:	Private
Project Location:	745 West Genesee St.
Sewershed:	Clinton/Lower MIS
CSO:	o66
GI Technology:	Porous Pavement, Added Green Space
Capture Area:	20,903 sq. ft.
Runoff Reduction:	400,800 gal/yr
Year Contracted:	2017
GIF Award:	\$135,627

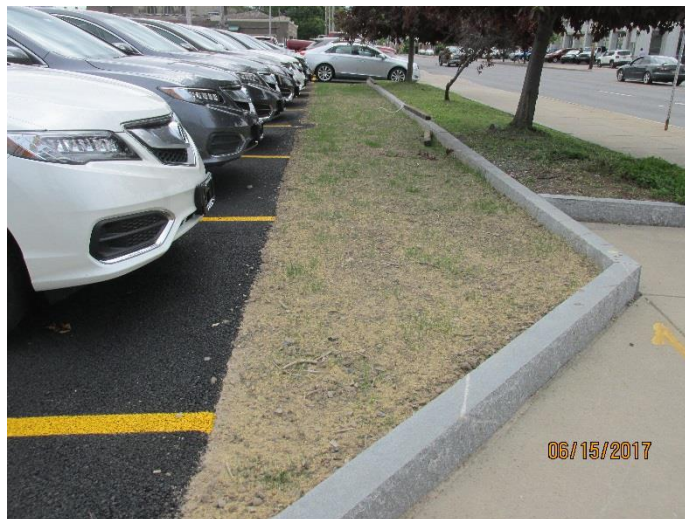
Project Description: The Auto Row Realty project, also known as the Crest Acura GIF project, is located at 745 West Genesee Street and was completed in 2017. The GIF project consisted of rehabilitating the existing parking lot with porous pavement and added green space.

The project included removing the existing asphalt and reinstalling porous asphalt, standard asphalt, and new green space. Porous pavement parking areas and travel lanes are now available for the majority of the parking lot. The added green space is along the street front sections of the property within the City right-of-way.

Stormwater runoff from the parking lot is conveyed from the standard pavement to the porous pavement and green spaces. Any stormwater flows that exceed the required capture, storage and infiltration amount will be allowed to flow back into the existing combined system. In total, 20,903 square feet of impervious area is managed by the installed green infrastructure, equating to approximately 400,800 gallons of stormwater runoff capture annually.



Crest Acura Porous Pavement Parking Lot



Crest Acura New Added Green Space

Version 6/23/2017



FACT SHEET

Green Improvement Fund

Jubilee Homes (PriceRite)

Project:	Jubilee Homes (PriceRite)
Project Owner:	Private
Project Location:	601 South Ave.
Sewershed:	Midland
CSO:	042
GI Technology:	Porous Pavement, Underground Infiltration, and Bioretention
Capture Area:	94,395 sq. ft.
Runoff Reduction:	1,662,400 gal/yr
Year Contracted:	2017
GIF Award:	\$200,000

Project Description: The Jubilee Homes Green Improvement Fund (GIF) project, located at 601 South Avenue, was completed in 2017. This project was part of the construction of a PriceRite grocery store in an area of the City of Syracuse commonly referred to as a “food desert” because of the lack of grocery options for local residents. The green infrastructure work included porous pavement, underground infiltration, and bioretention systems.

The project included rehabilitating and expanding an existing building and constructing a new parking lot. Porous pavement was installed in a portion of the parking lot, at the low end of the lot to collect runoff from the standard pavement portions. The bioretention area manages overflow from the porous pavement system, as well as a small portion of impervious area of the parking lot. Additionally, stormwater runoff from the building roof and remainder of the parking lot is collected and conveyed to an underground infiltration system beneath the parking lot.

In total, 94,395 square feet of impervious area is managed by the installed green infrastructure, equating to approximately 1,662,400 gallons of stormwater runoff capture annually.



Porous Pavement Parking Lot



Bioretention Area and Porous Pavement

Version 6/23/2017



FACT SHEET

Green Improvement Fund

Vibrant Syracuse Spaces

Project:	Vibrant Syracuse Spaces
Project Owner:	Private
Project Location:	200-10 South Geddes Street
Sewershed:	Harbor Brook
CSO:	011
GI Technology:	Porous Pavement, Added Green Space
Capture Area:	34,763 sq. ft.
Runoff Reduction:	667,700 gal/yr
Year Contracted:	2016
GIF Award:	\$232,200

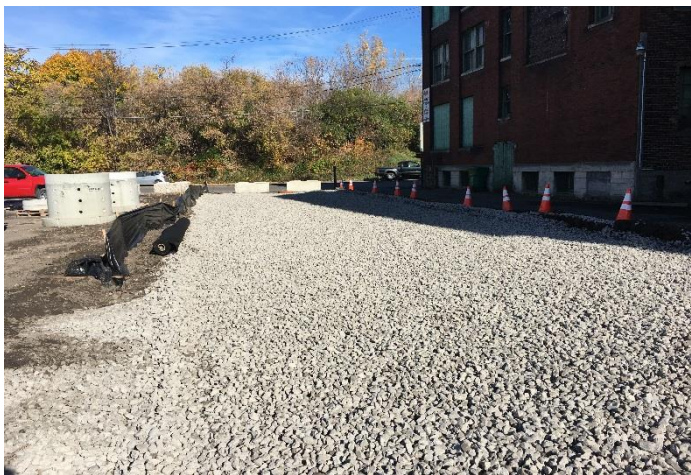
Project Description: The Vibrant Syracuse Spaces Green Improvement Fund (GIF) project was completed in 2017 and is the third GIF project completed by this applicant. Previously, the applicant completed a porous pavement parking lot and a green roof project at the Gear Factory location. This project included the reconstruction of an existing parking lot with porous pavement and redirecting three roof drains from two different buildings to drain onto the porous pavement surface. Also included in the project is the addition of 863 square feet of added green space that was formerly impervious.



Porous Pavement Parking Area

The 19,000 sf porous pavement parking lot manages runoff from both from adjacent parking areas and from roof surfaces. This system is designed to capture and manage up to the 2" storm while providing safe conveyances and overflows for storms larger than 2".

In total, the installed green infrastructure captures 667,700 gallons of stormwater runoff annually. Between the three constructed projects at this location, a total of 1,069,700 gallons of stormwater is captured.



Porous Pavement Infiltration Stone



Porous Pavement Parking Area

**METRO WWTP PHOSPHORUS
PROJECTS/TMDL/AMBIENT
MONITORING PROGRAM
UPDATE**

ACJ Quarterly Status Report – 2nd Quarter 2017

Metro WWTP Phosphorus Optimization Project

This project is entering the construction phase with bids due July 6, 2017. Project construction is expected to be completed in 2019.

Ambient Monitoring Program (AMP)

Tributary Water Quality Monitoring Program

Tributary Sampling Event Summary (April – June 2017)

April 2017:

- Tributary Bacteria sampling events: April 3, 16 and 17
- Tributary High Flow sampling event: April 12
- Tributary Biweekly sampling event: April 25

May 2017:

- Tributary Bacteria sampling events: May 1, 3 and 18
- Tributary High Flow sampling event: May 9
- Tributary Biweekly sampling event: May 23

June 2017:

- Tributary Bacteria sampling event: June 1, 5 and 19
- Tributary Quarterly sampling event: June 14
- Tributary Biweekly sampling event: June 27

Tributary Bacteria Compliance (February - April 2017)

Fecal Coliform compliance was not assessed for the months of February – April 2017. As per the AMP 2017 Work Plan, five (5) Fecal Coliform samples per month at the AMP Tributary sampling sites are limited during the April to October disinfection period.

Table 1 below summarizes the results of the bacteria compliance assessment for samples collected at the routine AMP sampling sites during the April tributary sampling events.

**Table 1: AMP Tributary
Bacteria Monthly Compliance Assessment¹
(April 2017)**

Sampling Site	April 2017
Velasko Road	√
Hiawatha Boulevard	X
Dorwin Avenue	√
Kirkpatrick Street	√

Ley Creek at Park Street	√
Ninemile Creek at Lakeland (Route 48)	√
Bloody Brook at Onondaga Lake Parkway	√
Tributary 5a at State Fair Boulevard	√

¹Compliance assessed with the applicable NYS Ambient Water Quality Standard (AWQS) for Fecal Coliform bacteria in the surface water as set forth in 6NYCRR Part 703.4 as follows:
"The monthly mean geometric mean, from a minimum of five examinations, shall not exceed 200."

Onondaga Lake Water Quality Monitoring Program

Onondaga Lake Sampling Summary (April - June 2017)

April 2017:

- Lake Quarterly sampling event: April 4
- Lake Weekly sampling events: April 10, 13, 27
- Lake Biweekly sampling events: April 18

May 2017:

- Lake Weekly sampling events: May 8, 11, and 22
- Lake Biweekly sampling events: May 4 and 16

June 2017:

- Lake Weekly sampling events: June 8, 15 and 26
- Lake Biweekly sampling event: June 17
- Lake Quarterly sampling event: June 20

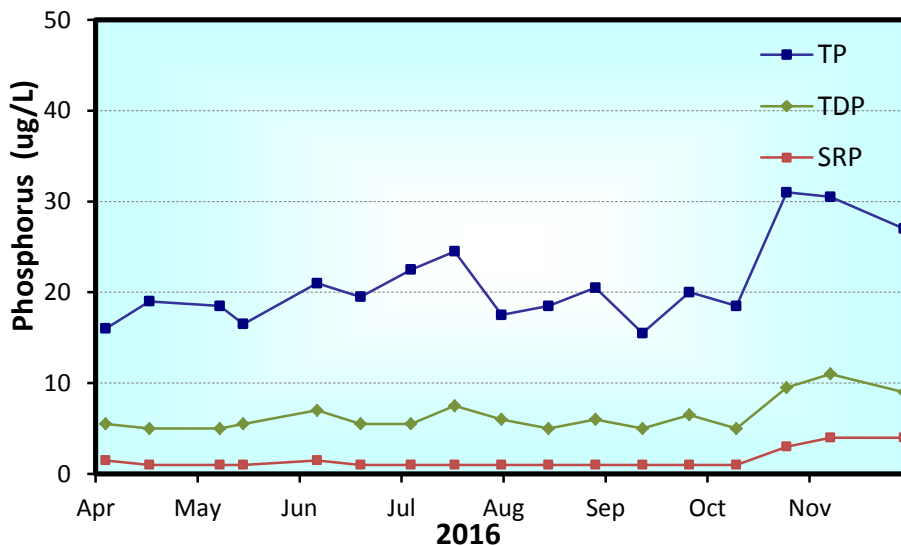
Onondaga Lake Water Quality, 2016

Total Phosphorus

During 2016, Onondaga Lake continued to exhibit the water quality improvements first noted in 2006. Phosphorus is the limiting nutrient for algal growth in Onondaga Lake. Too much phosphorus causes excessive algae, which in turn makes the water appear green and cloudy, and contributes to low oxygen levels in the deep water. New York State has promulgated a narrative standard for phosphorus in water: *"None in amounts that will result in growths of algae, weeds and slimes that will impair the waters for their best usages"* (NYSCRR §703.2). For ponded waters the narrative standard is interpreted using a guidance value of 20µg/L calculated as the average total phosphorus concentration in the lake's upper waters between June 1 and September 30. The phosphorus total maximum daily load (TMDL) target is a numeric endpoint that ensures protection of the designated best uses of a water body. The AMP tracks the summer average total phosphorus (TP) concentration in the lake's upper waters. The ultimate measure of the success of the Onondaga Lake Phosphorus TMDL is the extent to which the in-lake total phosphorus criteria and beneficial uses are achieved.

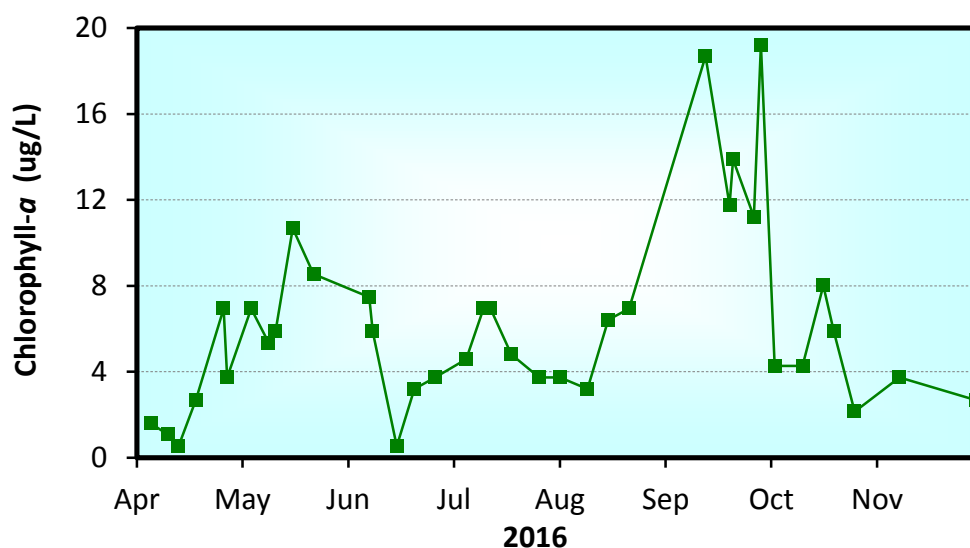
During the summer of 2016, total phosphorus concentrations in the upper waters (0-3 meters) of the lake averaged 20 micrograms per liter (µg/L). Since 2007, summer average total phosphorus has been

close to 20 ppb ($\mu\text{g/L}$), which NYS has established as a guidance value for determining a lake's suitability for recreational uses. Similar total phosphorus concentrations are observed in several nearby lakes with intermediate levels of phytoplankton production.



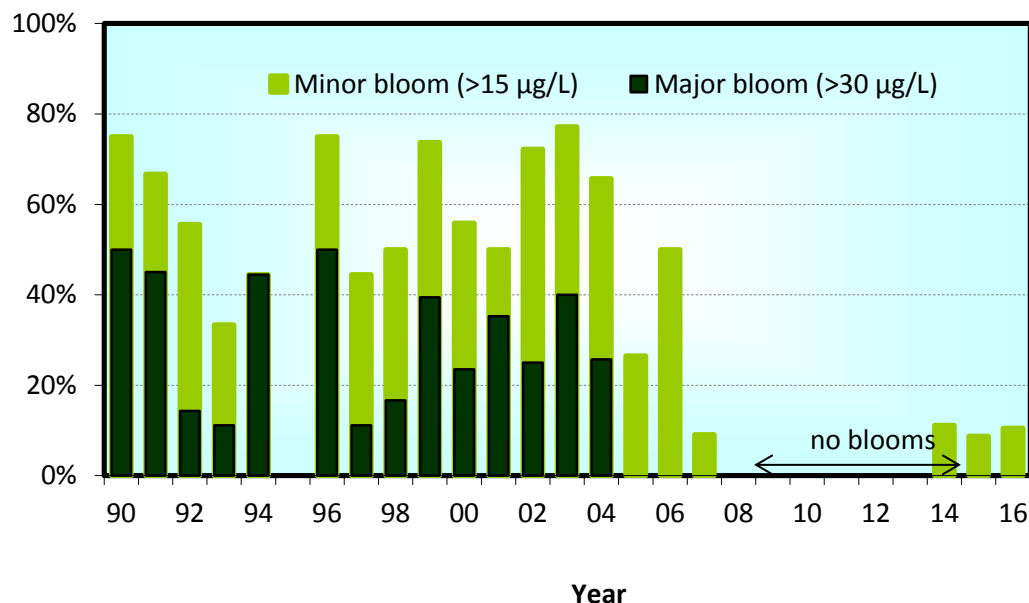
Chlorophyll-*a*

Less phosphorus in the lake has resulted in fewer and less severe algal blooms. Occurrences of phytoplankton blooms, subjectively defined for the AMP as Chlorophyll-*a* concentrations of 15 $\mu\text{g/L}$ and 30 $\mu\text{g/L}$ for minor (impaired conditions) and major blooms (nuisance conditions), respectively, have decreased dramatically since implementation of Actiflo®.



No major algal blooms have been measured in Onondaga Lake in the past seven summers (June-September), based on laboratory measurements. The NYSDEC Division of Water issued "water-bodies with blue-green algae notices" for several regional lakes during the summer of 2016. These include

Oneida Lake, Cazenovia Lake, Honeoye Lake, Conesus Lake, Canandaigua Lake, and Owasco Lake. Many varieties of algae are beneficial to lakes, providing the basis of the food chain that supports the entire ecosystem. Other types, like cyanobacteria (also known as blue-green algae), can produce toxins that are harmful to humans and can even cause death to animals that consume it. Large blooms, even non-toxic ones, affect ecosystem health. Algae blooms most frequently occur in nutrient-rich waters, particularly during hot, calm weather. Based on the available 2016 laboratory data, two (2) minor blooms were observed on Onondaga Lake during the summer of 2016. The infrequent occurrence of algal blooms in Onondaga Lake stands in contrast to the widespread occurrence of blue-green harmful algal blooms in lakes across New York State (see <http://www.dec.ny.gov/chemical/77118.html> for more information). Most algae are harmless and are an important part of the food web. Certain types can become abundant and form blooms under the right conditions. Some algae can produce toxins that can be harmful to people and animals (referred to collectively as harmful algal blooms (HABs)).



No blooms were observed during summer in 1995, 2008, 2009, 2010 - 2013

BIOLOGICAL MONITORING PROGRAM (April – June 2017)

Sampling Summary (April)

- Completed biological database QA/QC.

Sampling Summary (May)

- Completed age and growth analysis.

Sampling Summary (June)

- Completed alewife hydroacoustic survey on June 12.
- Completed nesting survey on June 13.
- First larval fish sampling event tentatively scheduled on June 29

Hydroacoustic Survey Onondaga Lake

Hydroacoustics is defined as active sound in water (sonar) that is used to study fish (Everhart and Youngs 1981). Hydroacoustic assessments have traditionally employed mobile surveys from boats to evaluate fish biomass and spatial distributions. In response to increasing Alewife populations in Onondaga County's electrofishing samples in 2003 a hydroacoustic sampling program was initiated by Onondaga County in 2004. Alewife is known to cause declines in water clarity due to their suppression of *Daphnia*, a major grazer on phytoplankton in lakes (Figure 1). Such cascading trophic interactions have been observed with increases in Alewife elsewhere (Harman et al. 2002).

In 2015, Alewife dominated the open water region of Onondaga Lake. Densities were lower than in 2014 but within the range observed since 2010 (474-1172 fish/ha, Figure 2). This general pattern is consistent with a zooplankton community dominated by small *Bosmina longirostris*. Large *Daphnia*, which are correlated with higher water transparency, were only present in high abundance in years prior to 2002 and in 2008-2009, years with low Alewife abundance.

Cascading interactions in the food chain

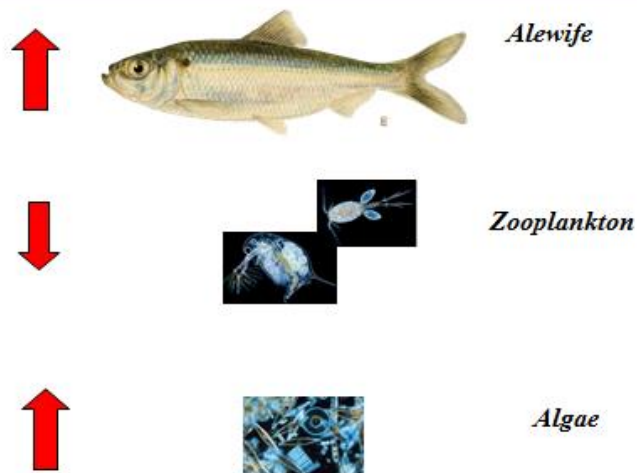


Figure 1. Simple example of food chain in Onondaga Lake.

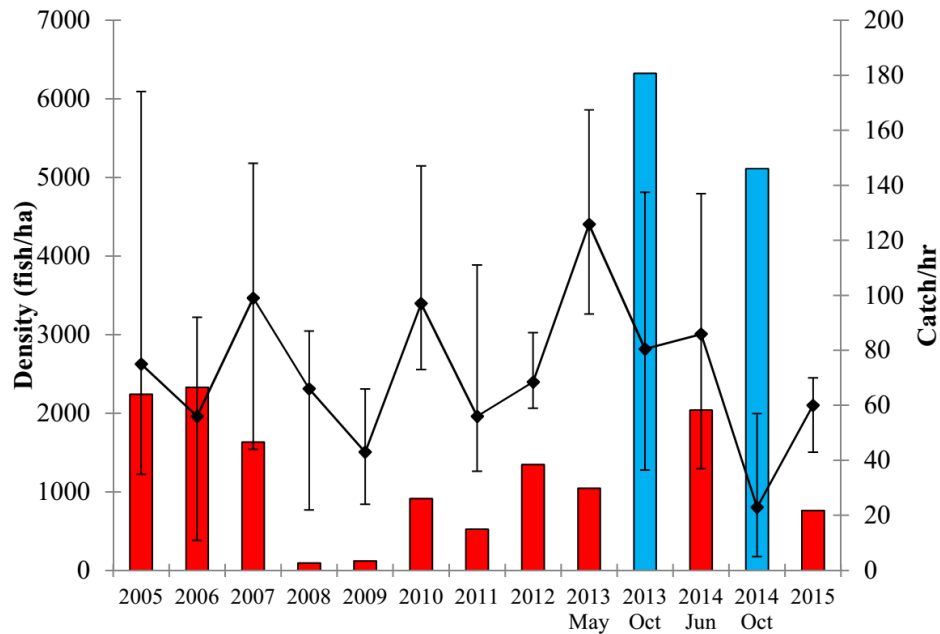


Figure 2. Mean alewife densities obtained with hydroacoustics (bars, fish/ha) and mean gill net catch of all fish species per hour (lines, Catch/hr) from May/June surveys in 2005 to 2015. Error bars for net catches represent the range observed in the four nets. Net catch data for 2012 includes only three nets. October surveys (in blue) yield higher densities and biomass

Literature Cited

- Everhart, W.H., and W.D Youngs. 1981. Principles of Fishery Science. Cornell University Press, Ithaca New York. 349 pp.
- Harman, W. N., M. F. Albright, and D. M. Warner. 2002. Trophic changes in Otsego Lake, NY following the introduction of the alewife (*Alosa pseudoharengus*). Lake and Reservoir Management 18:215-226.

LEGISLATIVE / REGULATORY / MEDIA UPDATE

Legislative/Regulatory Update

Action Items for the County Legislature (April – June)

- Calling a Public Hearing for the Purpose of Considering an Increase in the Estimated Maximum Cost of Proposed Improvements for the Baldwinsville WWTP.

Action Items for the Environmental Protection Committee (June)

- Approving the Increased Cost of Certain Improvements for the Baldwinsville WWTP.
- Bond Resolution – Authorizing the Issuance of an Additional \$1,100,000 Serial Bonds of the County of Onondaga to Pay the Increased Cost of Certain Improvements for the Baldwinsville WWTP.
- Reducing Authorized Costs for Certain Improvements Made for the Oak Orchard Facilities Upgrade Project and Amending Resolution Nos. 529-11 and 530-11.



Campaign encourages neighbors to keep communities clean



June 20, 2017
SYRACUSE, N.Y. (WSYR-TV)

A new effort has been introduced by Onondaga County officials to help "Block Litter."

Save The Rain and the Onondaga County Resource Recovery Agency are urging neighbors to pick up litter and push others to do the same as part of the "Block Litter" campaign.

Leaders hope taking ten minutes a week to pick up litter make communities more vibrant and businesses more attractive to customers.

Anyone pledging to "Block Litter" can get a free starter kit with ways to improve their community.

Each kit includes posters, invitations and stickers to help recruit others to participate in the effort. Community members are invited to share photos of how they are helping to block litter in their neighborhoods using the hashtag "#BlockLitter" to inspire others to make their own impact.

Those who use the hashtag will be entered to win great prizes throughout the year.

There's a new push to clean up litter in Onondaga Co.; Here's how you can help



June 19, 2017

SYRACUSE, N.Y. — There's a new push to clean up litter in Onondaga County.

County leaders unveiled a new litter prevention program called "Block Litter" on Monday.

It's a joint initiative between Save the Rain and the Onondaga County Resource Recovery Agency. The two groups are asking people to pledge to pick up litter on their street and they want people to help recruit neighbors and co-workers a few times a year for a larger clean-up.

"If we could have people do a little bit of that all year long and keep that litter off the streets then it's just going to mean good things for downtown Syracuse, in particular, and great things for Onondaga Lake," Mahoney said.

People who pledge to take part will receive a starter kit with more information and resources.

From the legislature: Onondaga Lake is on its way to achieving full potential

*By Deb Cody, County Legislator, Fifth District
May 26, 2017*

Onondaga Lake is a cherished landmark and resource situated in the heart of our county. Over the past century, what was once one of the most polluted lakes in the world has undergone a series of efforts to reclaim and recover its vast potential. Though there is still work to be done, Onondaga County officials have recognized the success of these efforts and are excited about the future of Onondaga Lake. Investment has begun to take place along the lake in the form of the “Loop the Lake” trail, Lakeview Park, and the Lakeview Amphitheater. These, along with similar future investments, will allow our community to finally be able to enjoy and appreciate such a valuable asset.

Onondaga County and Honeywell, under a mandate from the New York State Department of Environmental Conservation (DEC), have taken the lead in Onondaga Lake’s restoration process and are responsible for the successful rejuvenation the lake has undergone recently. The renewed state of the lake, however, has not been without cost. Over \$1 billion has been spent to clean up and restore its waters and habitats and to improve the sewer system to prevent overflows. Furthermore, the lake’s formerly contaminated condition has deprived our community of many years of enjoying swimming, fishing and other recreational activities on its waters, as well as the potential for economic development along its shores.

With these critical costs in mind, a group of Trustees for Onondaga Lake has been formed from representatives of the United States Fish and Wildlife Service and the DEC. These Trustees have been tasked with evaluating the extent of the services and resources our community was precluded from enjoying while the lake was contaminated, determining the impact this had on our community, and developing a plan whereby residents of the county will be compensated for these losses. This process will be called The Natural Resource Damage Assessment and Restoration, or NRDAR, process.

The ultimate aim of the NRDAR process is to restore, replace, rehabilitate or acquire equivalent natural resources as compensation for the release of hazardous substances into Onondaga Lake. A few examples of projects that could be considered under the NRDAR process include expansion of the Erie Canal Trail, development of the “Loop the Lake” trail along the southwestern shore, construction of a deep water fishing pier, new canoe launches or additional parking along Nine Mile Creek to increase public access to fishing. There are also further plans to restore habitats and preserve hundreds of acres of wetlands. A draft of the Restoration Plan/Environmental Assessment was recently released by the Trustees and a public meeting was held on

April 27 at the Honeywell Visitor's Center along the western shore of Onondaga Lake to present the proposed plan and receive feedback from the public..”

Summary

The Block Litter landing page launched June 16th and has received 369 visits so far. Users are spending an average of 0:35 seconds on the page.

13 people have shared the page on Facebook with the text, "I'm signing up to Block Litter in my neighborhood. Want in? Click for more info about this new program from Save the Rain and OCRRA, and learn how you can lend a hand."

We have 59 pledge form submissions so far!

The top Facebook post was the announcement of Block Litter on June 19. The post also received supportive comments from the community.



Onondaga County Save the Rain

June 19 at 3:01pm · 🌐

Let's make our community cleaner, one block at a time. Take the pledge and help us Block Litter where you live. It's as simple as picking up litter on your street and recruiting your neighbors for bigger events a few times a year. Sign up today and we'll send a special starter kit. #Connectthedrops #Blocklitter



BLOCKLITTER.COM

Learn More

👍 Like 💬 Comment ➦ Share



👍❤️😂 130

Top Comments ▾

26 shares

4 Comments



Write a comment...



Press Enter to post.



Kathie Nolan Mathews Fantastic way to solve a big problem.

Like · Reply · 👍 2 · June 22 at 11:55am



Malave Ceidiz I just sign up

Like · Reply · 👍 3 · June 20 at 1:11pm



Steve Casper Moore Just signed up

Like · Reply · 👍 2 · June 21 at 10:35pm

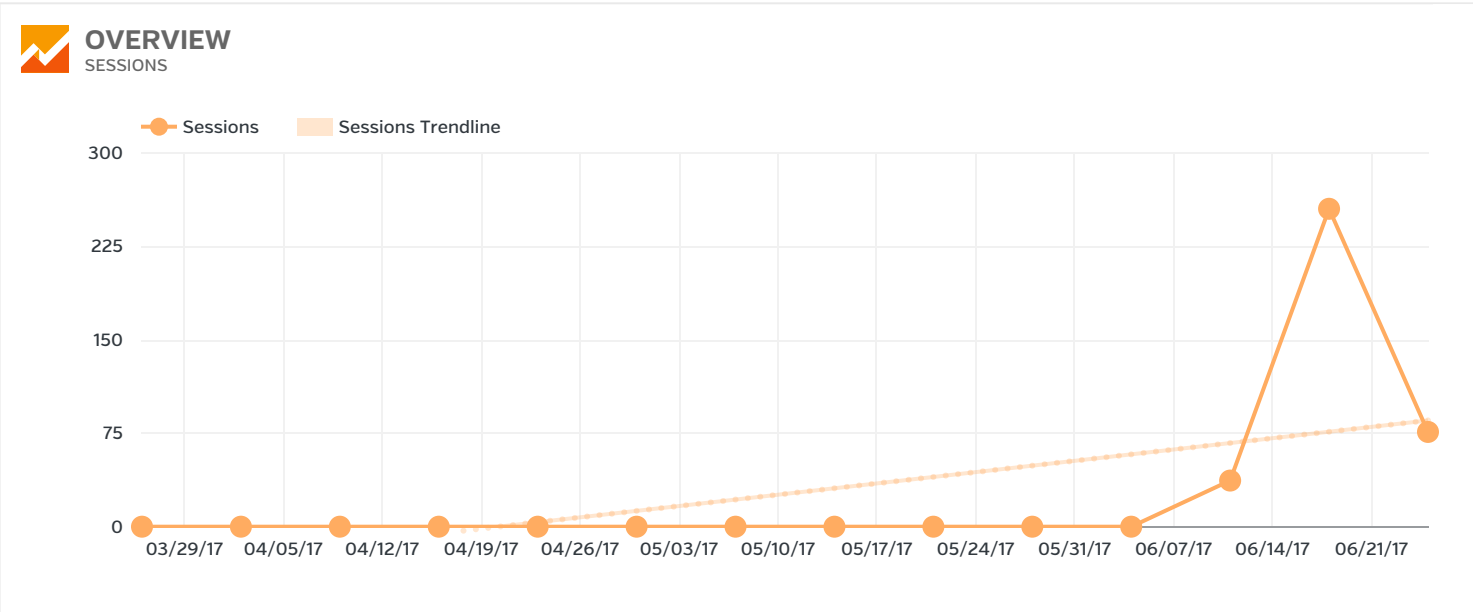



Kathie Nolan Mathews I was at Onondaga Park yesterday and noticed that Hiawatha Lake is very low and the litter is unbelievable. If there is a group planning on picking up, even though I no longer live in the neighborhood, I would be glad to volunteer.

Like · Reply · June 23 at 11:37am


Google Analytics - Summary

04/01/2017 - 06/30/2017 [compared to 12/31/2016 - 03/31/2017]




**SESSIONS**
ALL TRAFFIC


368

**PAGEVIEWS**
SESSIONS


391

**PAGES /**
SESSION
SESSIONS

1.06

**AVG. SESSION**
DURATION
SESSIONS

0:34

**TOP TRAFFIC**
ALL USERS

CHANNELS ^	SESSIONS	NEW USERS	BOUNCE RATE	PAGES / SESSION	AVG. SESSION DURATION
[Other]	∞ 148 vs 0	∞ 132 vs 0	∞ 59.46% vs 0.00%	∞ 0.98 vs 0.00	∞ 0:28 vs 0:00
Direct	∞ 122 vs 0	∞ 311 vs 0	∞ 79.51% vs 0.00%	∞ 1.09 vs 0.00	∞ 0:25 vs 0:00
Referral	∞ 80 vs 0	∞ 58 vs 0	∞ 66.25% vs 0.00%	∞ 1.11 vs 0.00	∞ 0:40 vs 0:00
Social	∞ 13 vs 0	∞ 11 vs 0	∞ 38.46% vs 0.00%	∞ 1.15 vs 0.00	∞ 1:59 vs 0:00
Organic Search	∞ 5 vs 0	∞ 2 vs 0	∞ 60.00% vs 0.00%	∞ 1.80 vs 0.00	∞ 1:40 vs 0:00

SOCIAL NETWORK [▲]	SESSIONS	PAGE VIEWS	AVG. SESSION DURATION	PAGES / SESSION	GOAL CONVERSION RATE
Facebook	∞ 11 vs 0	∞ 13 vs 0	∞ 2:20 vs 0:00	∞ 1.18 vs 0.00	∞ 18.18% vs 0.00%
Instagram	∞ 1 vs 0	∞ 1 vs 0	0.00% 0:00 vs 0:00	∞ 1.00 vs 0.00	0.00% 0.00% vs 0.00%
Twitter	∞ 1 vs 0	∞ 1 vs 0	0.00% 0:00 vs 0:00	∞ 1.00 vs 0.00	0.00% 0.00% vs 0.00%

EVENT CATEGORY ▲	TOTAL EVENTS	UNIQUE EVENTS	EVENT VALUE	AVG. VALUE
CF7 Form	∞ 654 vs 0	∞ 578 vs 0	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Max Scroll	∞ 416 vs 0	∞ 413 vs 0	∞ 15,120 vs 0	∞ 36.35 vs 0.00
Scroll Depth	∞ 338 vs 0	∞ 329 vs 0	∞ 15,006,383 vs 0	∞ 44,397.58 vs 0.00
Page Visibility	∞ 233 vs 0	∞ 183 vs 0	∞ 47,669 vs 0	∞ 204.59 vs 0.00
Login Error	∞ 207 vs 0	∞ 207 vs 0	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Performance Timing	∞ 188 vs 0	∞ 175 vs 0	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Viewport	∞ 109 vs 0	∞ 103 vs 0	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Button Click	∞ 75 vs 0	∞ 59 vs 0	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Generic Form	∞ 71 vs 0	∞ 59 vs 0	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Load Abandon	∞ 19 vs 0	∞ 19 vs 0	∞ 262,799 vs 0	∞ 13,831.53 vs 0.00

SOURCE / MEDIUM	SESSIONS ▾	NEW USERS	BOUNCE RATE	PAGES / SESSION	AVG. SESSION DURATION
[direct] / [none]	∞ 122 vs 0	∞ 311 vs 0	∞ 79.51% vs 0.00%	∞ 1.09 vs 0.00	∞ 0:25 vs 0:00
Facebook / Promoted Post	∞ 67 vs 0	∞ 61 vs 0	∞ 62.69% vs 0.00%	∞ 1.01 vs 0.00	∞ 0:40 vs 0:00
cnycentral.com / referral	∞ 43 vs 0	∞ 38 vs 0	∞ 67.44% vs 0.00%	∞ 1.12 vs 0.00	∞ 0:44 vs 0:00
Facebook / PromotedPost	∞ 37 vs 0	∞ 30 vs 0	∞ 54.05% vs 0.00%	∞ 1.16 vs 0.00	∞ 0:33 vs 0:00
savetherain.us / referral	∞ 19 vs 0	∞ 7 vs 0	∞ 78.95% vs 0.00%	∞ 1.11 vs 0.00	∞ 0:56 vs 0:00
Facebook / [not set]	∞ 11 vs 0	∞ 8 vs 0	0.00% 0.00% vs 0.00%	0.00% 0.00 vs 0.00	0.00% 0:00 vs 0:00
Instagram / Promoted Post	∞ 9 vs 0	∞ 9 vs 0	∞ 66.67% vs 0.00%	∞ 1.11 vs 0.00	∞ 0:17 vs 0:00
m.facebook.com / referral	∞ 9 vs 0	∞ 7 vs 0	∞ 33.33% vs 0.00%	∞ 1.22 vs 0.00	∞ 2:44 vs 0:00
Instagram / PromotedPost	∞ 8 vs 0	∞ 8 vs 0	∞ 100.00% vs 0.00%	∞ 1.00 vs 0.00	0.00% 0:00 vs 0:00
localsyr.com / referral	∞ 8 vs 0	∞ 7 vs 0	∞ 50.00% vs 0.00%	∞ 1.25 vs 0.00	∞ 0:17 vs 0:00

Summary

Please note: the data below is through June 29.

The paid digital campaign resumed this quarter and traffic to SavetheRain.us increased by 36% to 5,600+ visits.

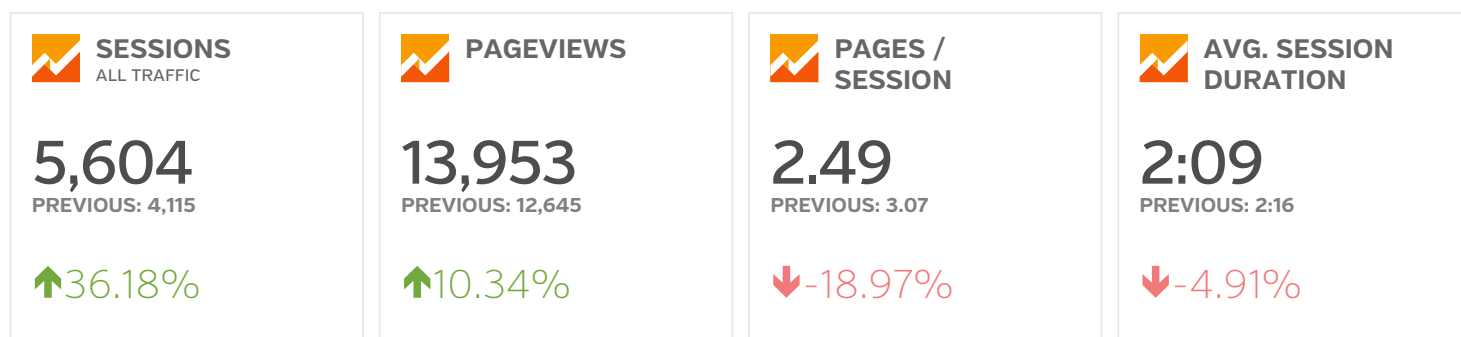
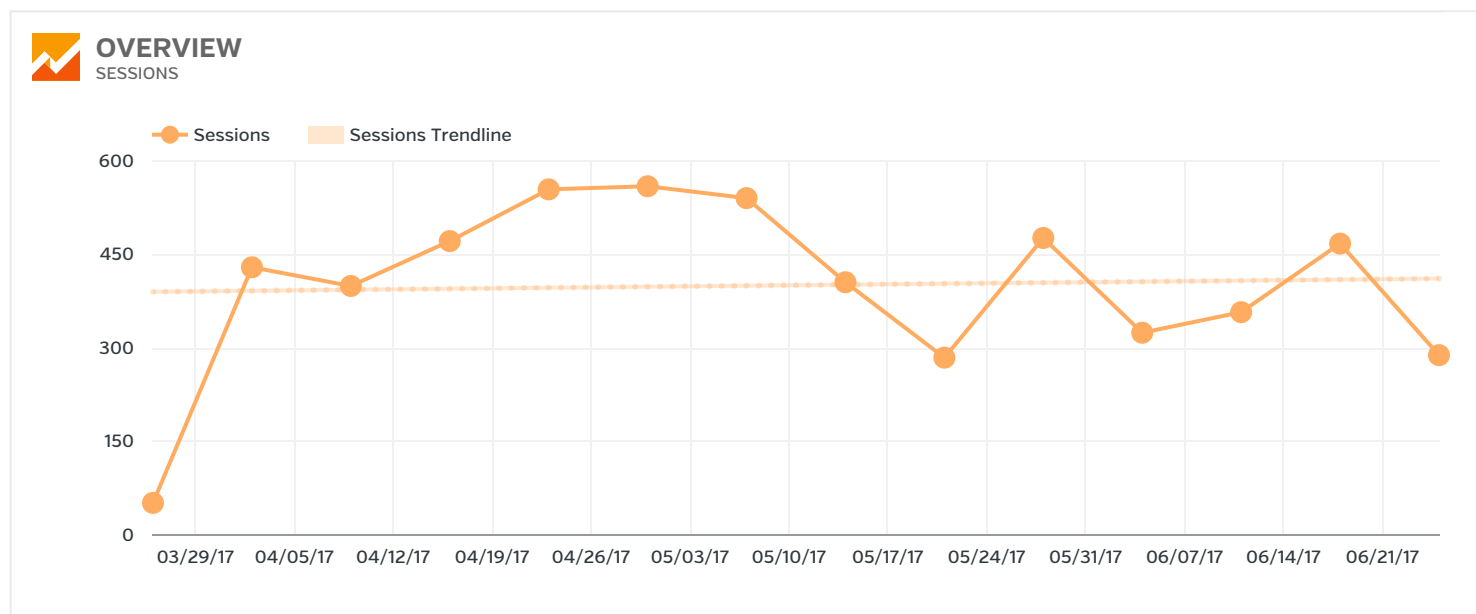
The Facebook page has increased to over 2,400 page likes.

The top performing Facebook posts this quarter were for Memorial Day and the Rain Barrel Art Contest.



Google Analytics - Summary

04/01/2017 - 06/30/2017 [compared to 12/31/2016 - 03/31/2017]



TOP TRAFFIC
ALL USERS

CHANNELS ^	SESSIONS	NEW USERS	BOUNCE RATE	PAGES / SESSION	AVG. SESSION DURATION
Direct	▲28.19% 2,342 vs 1,827	▲15.48% 1,902 vs 1,647	▲9.49% 78.57% vs 71.76%	▼-38.23% 2.00 vs 3.24	▼-8.38% 1:37 vs 1:46
Organic Search	▲14.78% 1,817 vs 1,583	▼-0.98% 1,110 vs 1,121	▼-15.44% 49.09% vs 58.05%	▲11.49% 3.23 vs 2.89	▲16.92% 3:11 vs 2:44
Referral	▲28.75% 815 vs 633	▲29.19% 509 vs 394	▲10.56% 49.08% vs 44.39%	▼-5.48% 3.00 vs 3.18	▼-7.03% 2:33 vs 2:45
Social	▲339.13% 303 vs 69	▲296.36% 218 vs 55	▼-2.66% 71.95% vs 73.91%	▼-4.79% 1.90 vs 2.00	▲17.86% 1:06 vs 0:56
Display	∞ 215 vs 0	∞ 193 vs 0	∞ 78.60% vs 0.00%	∞ 1.18 vs 0.00	∞ 0:15 vs 0:00
[Other]	▲3,600.00% 111 vs 3	▲10,200.00% 103 vs 1	▲108.11% 69.37% vs 33.33%	▼-28.11% 1.20 vs 1.67	▼-35.77% 0:27 vs 0:42

CHANNELS ▲	SESSIONS	NEW USERS	BOUNCE RATE	PAGES / SESSION	AVG. SESSION DURATION
Paid Search	∞ 1 vs 0	∞ 1 vs 0	∞ 100.00% vs 0.00%	∞ 1.00 vs 0.00	0.00% 0:00 vs 0:00

TOP SOCIAL NETWORK REFERRALS

ALL USERS

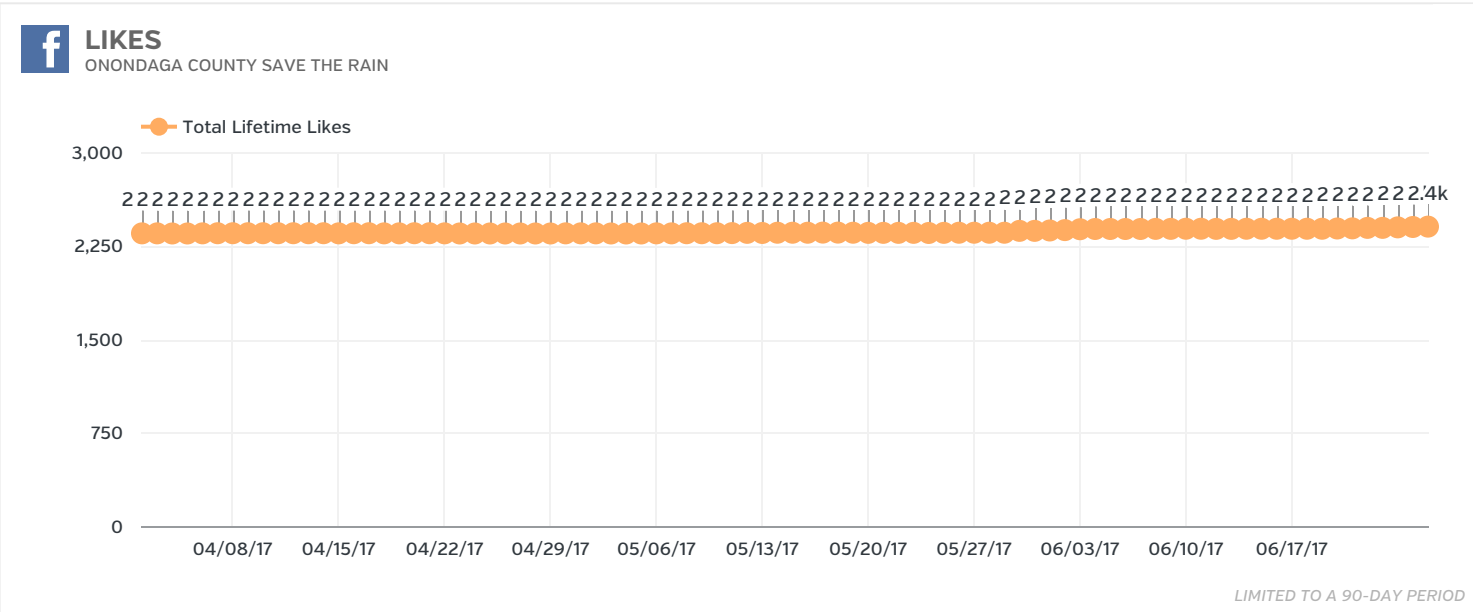
SOCIAL NETWORK ▲	SESSIONS	PAGE VIEWS	AVG. SESSION DURATION	PAGES / SESSION	GOAL CONVERSION RATE
Facebook	▲372.41% 137 vs 29	▲153.57% 213 vs 84	▼-71.03% 0:33 vs 1:56	▼-46.32% 1.55 vs 2.90	0.00% 0.00% vs 0.00%
YouTube	∞ 76 vs 0	∞ 92 vs 0	∞ 0:08 vs 0:00	∞ 1.21 vs 0.00	0.00% 0.00% vs 0.00%
Twitter	▲742.86% 59 vs 7	▲1,142.11% 236 vs 19	▲288.65% 4:02 vs 1:02	▲47.37% 4.00 vs 2.71	0.00% 0.00% vs 0.00%
Pinterest	▼-7.14% 26 vs 28	▼-3.33% 29 vs 30	▼-28.60% 0:02 vs 0:03	▲4.10% 1.12 vs 1.07	0.00% 0.00% vs 0.00%
LinkedIn	0.00% 3 vs 3	▲33.33% 4 vs 3	∞ 0:02 vs 0:00	▲33.33% 1.33 vs 1.00	0.00% 0.00% vs 0.00%
Blogger	∞ 1 vs 0	∞ 2 vs 0	∞ 8:58 vs 0:00	∞ 2.00 vs 0.00	0.00% 0.00% vs 0.00%
Weebly	0.00% 1 vs 1	0.00% 1 vs 1	0.00% 0:00 vs 0:00	0.00% 1.00 vs 1.00	0.00% 0.00% vs 0.00%
AmericanTowns	▼-100.00% 0 vs 1	▼-100.00% 0 vs 1	0.00% 0:00 vs 0:00	▼-100.00% 0.00 vs 1.00	0.00% 0.00% vs 0.00%

EVENT CATEGORY ^	TOTAL EVENTS	UNIQUE EVENTS	EVENT VALUE	AVG. VALUE
Scroll Depth	▲41.50% 358 vs 253	▲42.57% 355 vs 249	0.00% 0 vs 0	0.00% 0.00 vs 0.00
External Link	▲153.33% 38 vs 15	▲73.33% 26 vs 15	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Connect the Drops -ScrollTo Nav	▼-14.29% 24 vs 28	▼-14.81% 23 vs 27	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Connect the Drops -Offpage Link	▲11.11% 20 vs 18	▲5.56% 19 vs 18	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Connect the Drops - IntroButton	▲72.73% 19 vs 11	▲90.00% 19 vs 10	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Connect the Drops - Logo	▲1,700.00% 18 vs 1	▲1,500.00% 16 vs 1	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Non-Linked Click Attempt	▲150.00% 15 vs 6	▲50.00% 9 vs 6	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Connect the Drops -Social Link	∞ 5 vs 0	∞ 5 vs 0	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Copied Text	▼-25.00% 3 vs 4	▼-25.00% 3 vs 4	0.00% 0 vs 0	0.00% 0.00 vs 0.00
Print	▼-50.00% 1 vs 2	▼-50.00% 1 vs 2	0.00% 0 vs 0	0.00% 0.00 vs 0.00

SOURCE / MEDIUM	SESSIONS ▾	NEW USERS	BOUNCE RATE	PAGES / SESSION	AVG. SESSION DURATION
[direct] / [none]	▲28.19% 2,342 vs 1,827	▲15.48% 1,902 vs 1,647	▲9.49% 78.57% vs 71.76%	▼-38.23% 2.00 vs 3.24	▼-8.38% 1:37 vs 1:46
google / organic	▲18.19% 1,650 vs 1,396	▲1.54% 986 vs 971	▼-14.43% 48.67% vs 56.88%	▲10.16% 3.27 vs 2.97	▲16.82% 3:21 vs 2:52
ongov.net / referral	▲19.09% 599 vs 503	▲13.70% 332 vs 292	▼-1.12% 42.07% vs 42.54%	▲6.10% 3.39 vs 3.20	▲9.80% 3:03 vs 2:47
google / cpc	∞ 216 vs 0	∞ 194 vs 0	∞ 78.70% vs 0.00%	∞ 1.18 vs 0.00	∞ 0:15 vs 0:00
bing / organic	▲17.92% 125 vs 106	▲12.50% 90 vs 80	▼-11.10% 52.00% vs 58.49%	▼-2.33% 2.79 vs 2.86	▼-44.76% 1:22 vs 2:29
Facebook / PromoPost	∞ 103 vs 0	∞ 95 vs 0	∞ 69.90% vs 0.00%	∞ 1.21 vs 0.00	∞ 0:28 vs 0:00
m.facebook.com / referral	▲672.73% 85 vs 11	▲609.09% 78 vs 11	▲22.94% 67.06% vs 54.55%	▼-29.36% 1.54 vs 2.18	▼-47.86% 0:21 vs 0:40
youtube.com / referral	∞ 76 vs 0	∞ 63 vs 0	∞ 82.89% vs 0.00%	∞ 1.21 vs 0.00	∞ 0:08 vs 0:00
jecsd.org / referral	∞ 63 vs 0	∞ 62 vs 0	∞ 84.13% vs 0.00%	∞ 1.22 vs 0.00	∞ 0:42 vs 0:00
t.co / referral	▲742.86% 59 vs 7	▲533.33% 19 vs 3	▲3.81% 59.32% vs 57.14%	▲47.37% 4.00 vs 2.71	▲288.65% 4:02 vs 1:02

Facebook - Summary

04/01/2017 - 06/30/2017 [compared to 12/31/2016 - 03/31/2017]





WEEKLY TOTAL REACH

ONONDAGA COUNTY SAVE THE RAIN

37,966

PREVIOUS: 620

↑6023.55%

LIMITED TO A 90-DAY PERIOD



LIKES

ONONDAGA COUNTY SAVE THE RAIN

2,407

PREVIOUS: 2,353

↑2.29%

LIMITED TO A 90-DAY PERIOD



LIKE SOURCES

ONONDAGA COUNTY SAVE THE RAIN

DATE ▲	POST	LIKES	COMMENTS	REACH
2017-06-26 16:26:54	With the Block Litter program, even little hands...	24	1	3,648
2017-06-23 15:00:00	Let's make our community cleaner, one block at a...	28	--	4,105
2017-06-22 10:30:00	-	3	--	197
2017-06-22 08:19:29	-	6	--	225
2017-06-21 17:21:06	Great photos from today's Save the Rain lesson at...	4	--	246
2017-06-21 15:22:19	Take the #BlockLitter pledge today at...	6	--	543
2017-06-20 16:14:21	-	2	--	440
2017-06-19 15:13:30	-	3	--	253
2017-06-19 15:01:06	Let's make our community cleaner, one block at a...	120	6	19,285
2017-06-19 07:29:19	The Rain Barrel Workshop scheduled for today,...	--	--	225
2017-06-17 11:32:19	HAPPENING NOW: Rain Barrel Workshops at...	4	--	530
2017-06-15 14:10:30	THIS SATURDAY: Rain Barrel Workshops at...	4	--	956
2017-06-09 10:53:59	-	1	--	--
2017-06-09 10:53:23	-	3	--	--
2017-06-07 07:49:51	TODAY: Rain Barrel Workshop at 1:00 PM at the...	6	--	825
2017-06-03 11:04:49	Happening now: first #RainBarrel class of the...	1	--	553
2017-06-01 07:45:48	The recipe for a cleaner community is simple:...	47	1	82,891
2017-05-31 09:12:27	Save The Rain's 2017 Rain Barrel Workshop...	12	--	831
2017-05-26 14:48:55	When it comes to picnics and barbecues, litter...	130	3	9,391
2017-05-22 14:05:32	-	--	--	149
2017-05-17 10:52:18	-	--	--	--
2017-05-15 12:00:01	There's still 24 hours left to vote for your...	8	1	870
2017-05-12 09:27:26	Vote for your favorite rain barrels in our 2017...	8	1	--
2017-05-11 14:49:34	All of our #RainBarrel Art Contest finalists are...	15	1	480
2017-05-17 10:53:21	-	5	--	--
2017-05-10 14:41:21	School kids of all ages here in Onondaga County...	57	2	4,417
2017-05-02 13:27:46	-	--	--	73
2017-04-29 11:20:40	Stop down and visit Save the Rain at the Rosamond...	11	--	621
2017-04-24 14:48:42	-	--	--	80
2017-04-22 14:26:19	Swing by the Baltimore Woods Nature Center...	6	--	1,147

DATE ▲	POST	LIKES	COMMENTS	REACH
2017-04-22 12:06:00	#ConnectTheDrops this #EarthDay and help keep...	--	--	41
2017-04-22 08:05:00	Celebrate #EarthDay today by helping keep...	5	--	1,066
2017-04-21 16:06:00	For #EarthDay, let's #ConnectTheDrops & pick up...	3	--	202
2017-04-21 08:04:00	#AprilShowers bring more than #MayFlowers, storms...	--	--	124
2017-04-20 14:02:00	This #EarthDay get some friends together for...	4	--	148
2017-04-20 10:03:00	Over 7,200 Onondaga County residents collected...	10	--	921
2017-04-19 14:01:00	Did you know last year OCRRA's #EarthDay cleanup...	3	--	206
2017-04-19 10:42:20	Excited to present about the #ConnectTheDrops...	11	--	423
2017-04-18 15:13:35	Spring has sprung! Help keep Onondaga County...	5	--	1,311
2017-04-13 15:57:42	Tomorrow is the registration deadline for teams...	2	--	150
2017-04-07 09:12:35	OCRRA's Earth Day Litter Cleanup is one week...	6	--	163
2017-04-03 15:55:52	Sign up today to join the annual OCRRA.org Earth...	9	--	444

FINANCIAL UPDATE

Financial Update

Contracts

New Contracts

- **Flow Monitoring**
 - Contract with C&S Engineers for flow monitoring and reporting at various locations.
 - Contract Amount: \$393,500. Executed: 5/11/17.
- **Harbor Brook Pilot Treatment Wetlands**
 - Contract with CH2M Hill for monitoring, sampling, and reporting @ Harbor Brook Pilot Treatment Wetlands (CSO 018).
 - Contract Amount: \$286,890. Executed: 6/9/17.
- **Suburban Green Infrastructure Program (SGIP)**
 - Contract with Village of Baldwinsville for reimbursement of green improvements to include trenchless sewer lining and manhole rehabilitation.
 - Contract Amount: \$145,000. Executed: 6/9/17.
- **Green Improvement Fund (GIF)**
 - Contract with Gadsden Properties for reimbursement of green improvements in the Clinton sewershed.
 - Contract Amount: \$58,000. Executed: 5/11/17.
- **Green Improvement Fund (GIF)**
 - Contract with Believers Chapel for reimbursement of green improvements in the Midland sewershed.
 - Contract Amount: \$167,800. Executed: 6/9/17.

Amendments to Existing Contracts

- **Green Infrastructure Maintenance**
 - Contract with Onondaga Earth Corps. amended for 2017 green infrastructure maintenance.
 - Contract Amount: \$210,539. Executed: 6/9/17.
- **Community-Based Tree Planting**
 - Contract with Onondaga Earth Corps. amended for 2017 community tree planting program.
 - Contract Amount: \$317,028. Executed: 6/9/17.
- **Phosphorus Reduction**
 - Contract with Onondaga County Soil & Water Conservation District amended for 2017 phosphorus reduction program and outreach.
 - Contract Amount: \$82,500. Executed: 6/9/17.

- **Stormwater Compliance Program**
- Contract with Onondaga County Soil & Water Conservation District amended for 2017 stormwater compliance program assistance.
- Contract Amount: \$77,500. Executed: 5/10/17.

Change Orders

- **None to Report.**

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
- GIGP Grants
Requested: None
Received: None

EFC Reimbursements **Requested:**
None

EFC Reimbursements **Received:**
None

Total reimbursement monies received to date through EFC loans for the funded ACJ projects: \$247,603,598 (short term) and \$120,852,676 (long term).

Onondaga County Lake Improvement Project

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

<u>Project/Task/Line Item</u>	Total Project Costs		
	Total Proposed Budget	Expended To 6/30/17	Authorization Remaining
<u>Clinton Street CSO Facility Planning (Original)</u>			
Engineering Services (EEA)	\$ 751,266	\$ 751,266	\$ (0)
Original Facility Plan Subtotal	\$ 751,266	\$ 751,266	\$ (0)
<u>Clinton Street CSO Conveyances Project</u>			
Contract No. 1 - Phase 1 Conveyances (Delaney)	\$ 14,478,053	\$ 14,478,053	\$ (0)
Contract No. 2 - Phase 2A Conveyances (Delaney)	\$ 4,074,455	\$ 4,074,455	\$ (0)
Engineering/Construction Services (CDM/C&S)	\$ 2,738,000	\$ 2,738,000	\$ 0
Conveyances Subtotal	\$ 21,290,508	\$ 21,290,508	\$ (0)
<u>Clinton Storage Project</u> ⁽¹⁾			
Construction Estimate	\$ 77,742,858	\$ 79,831,600	\$ (2,088,742)
Engineering Services (EEA and others)	\$ 12,122,013	\$ 11,925,712	\$ 196,301
Construction Management and Administration (CDM/C&S)	\$ 4,833,411	\$ 4,519,246	\$ 314,165
Construction Testing (CME)	\$ 327,847	\$ 277,716	\$ 50,131
			\$ -
CSO Storage Subtotal	\$ 95,026,129	\$ 96,554,274	\$ (1,528,145)
<u>Facility Plan for CSOs 027 & 029</u>			
Construction Estimate	\$ 3,100,000		\$ 3,100,000
Engineering Services (Ch2MHill)	\$ 91,211	\$ 91,186	\$ 25
Engineering Services (TBD) Floatables Arcadis	\$ 782,032	\$ 12,816	\$ 769,216
County Administration and Other Costs	\$ -		\$ -
Facility Plan Subtotal	\$ 3,973,243	\$ 104,001	\$ 3,869,242
<u>Clinton/Lower MIS Green Implementation Program</u>			
Construction Contracts incl. GIF Public/Private	\$ 38,508,611	\$ 32,343,087	\$ 6,165,524
Ch2MHill Program Management & Engineering	\$ 15,900,000	\$ 11,653,055	\$ 4,246,945
Green Subtotal	\$ 54,408,611	\$ 43,996,142	\$ 10,412,469
<u>Program Management</u>			
Project Management (CDM/C&S)			\$ -
Project Management for Facility Plan (CDM/C&S) ⁽²⁾	\$ -		\$ -
Program Management Subtotal	\$ -	\$ -	\$ -
<u>Miscellaneous County Costs</u>			
Land Acquisition	\$ 3,726,350	\$ 3,726,350	\$ -
IMA	\$ 4,861,000	\$ 3,959,746	\$ 901,254
Legal	\$ 126,115	\$ 350,857	\$ (224,742)
Consulting (John Clare & Mezey)	\$ 301,334	\$ 226,334	\$ 75,000
Debt	\$ 234,885	\$ 869,953	\$ (635,068)
Other	\$ 310,738	\$ 740,944	\$ (430,206)
Contingency	\$ 489,863		\$ 489,863
Miscellaneous Subtotal	\$ 10,050,285	\$ 9,874,184	\$ 176,101
	\$ 185,500,042	\$ 172,570,376	\$ 12,929,666
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

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

<u>Project/Task/Line Item</u>	Total Project Costs		
	Total Proposed Budget	Expended to 6/30/17	Authorization Remaining
<u>Harbor Brook CSO Abatement Project</u>			
Original Engineering Expenses	\$ 5,500,000	\$ 5,500,000	\$ -
<u>HBIS Replacement and CSO Abatement Project</u>			
Construction Contract No. 1 (1) (JJ Lane)	\$ 18,289,918	\$ 23,391,425	\$ (5,101,507)
Other Miscellaneous Work	\$ 2,482,920	\$ -	\$ 2,482,920
Engineering/Construction Services (CDM/C&S)	\$ 2,012,615	\$ 2,651,315	\$ (638,700)
County Administration and Other Costs	\$ 114,547	\$ 953,749	\$ (839,202)
HBIS Replacement and CSO Abatement Project Total	\$ 22,900,000	\$ 26,996,490	\$ (4,096,490)
<u>Lower Harbor Brook Storage & Conveyance</u>			
Construction Estimate (with contingency)	\$ 34,502,000	\$ 29,279,884	\$ 5,222,116
Engineering Services (EEA)	\$ 4,200,000	\$ 3,971,487	\$ 228,513
Barton & Loguidice (flood plain dev permit)	\$ -	\$ -	\$ -
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	\$ 40,109,486	\$ 4,262,514
<u>Harbor Brook CSOs FCF Program</u>			
Construction Estimate	\$ 12,000,000		\$ 12,000,000
Engineering Services (Arcadis)	\$ 1,878,731	\$ 144,843	\$ 1,733,888
County Administration and Other Costs	\$ 800,000	\$ 15,300	\$ 784,700
Project Escalation to Midpoint of Construction	\$ 400,000		\$ 400,000
FCF Program Total	\$ 15,078,731	\$ 160,143	\$ 14,918,588
<u>Other Harbor Brook Green</u>			
Construction Contracts incl. GIF Public/Private & Rain Barrels	\$ 13,000,000	\$ 16,571,044	\$ (3,571,044)
CH2MHILL Cso 018 Monitoring	\$ -	\$ -	\$ -
Ch2MHill Engineering & Program Management	\$ 3,650,000	\$ 6,391,493	\$ (2,741,493)
Harbor Brook Green Project Total	\$ 16,650,000	\$ 22,962,538	\$ (6,312,538)
<u>Program Management</u>			
Project Management (CDM/C&S)	\$ 499,269	\$ 2,813,628	\$ (2,314,359)
Project Management for FCF Plan Implem (CDM/C&S)	\$ -		
Program Management Total	\$ 499,269	\$ 2,813,628	\$ (2,314,359)
<u>Harbor Brook Mitigation</u>	\$ 3,500,000	\$ 3,265,000	\$ 235,000
Total Costs for Harbor Brook CSO Area under 4th Stip	\$ 108,500,000	\$ 101,807,285	\$ 6,692,715

Onondaga County Lake Improvement Project

4th Stipulation of the ACJ

Midland CSO Abatement

Summary of Current and Proposed Costs, and County Authorizations

<u>Project/Task/Line Item</u>	Total Project Costs		
	Total Proposed Budget	Expended to 6/30/17	Authorization Remaining
<u>Midland Ave. RTF & Conveyances</u>			
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	\$ 137,000	\$ 136,342	\$ 658
Phase 1 and 2 Engineering (Parsons & EEA)	\$ 14,717,163	\$ 12,503,353	\$ 2,213,810
CME Construction Testing	\$ 227,341	\$ 219,815	\$ 7,526
RTF Modifications (Construction, Eng, CM, Admin)	\$ 3,000,000		\$ 3,000,000
Facility Plan Total	\$ 74,039,110	\$ 68,817,116	\$ 5,221,994
<u>CSO 044 Conveyances Project</u>			\$ 5,221,994
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			\$ -
Conveyances Project Total	\$ 13,111,349	\$ 12,827,887	\$ 283,462
<u>FCF Facility Plan</u>			\$ 283,462
Construction Estimate	\$ 1,300,000	\$ -	\$ 1,300,000
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	\$ 2,133,954	\$ 46,039	\$ 2,087,915
<u>Facility Plan for Midland CSOs</u>			\$ 2,087,915
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
<u>Midland Green Implementation Program</u>			\$ 18,620,033
Construction Contracts incl. GIF Public/Private	\$ 7,500,000	\$ 7,321,373	\$ 178,627
Ch2MHill Program Management & Engineering	\$ 3,917,636	\$ 3,089,715	\$ 827,921
Clinton Green Program Total	\$ 11,417,636	\$ 10,411,088	\$ 1,006,548
<u>Program Management</u>			\$ 1,006,548
Project Management (CDM/C&S) includes CSO 044	\$ 6,530,602	\$ 6,636,528	\$ (105,926)
Project Management for Facility Plan (CDM/C&S) ⁽¹⁾		\$ -	
Program Management Total	\$ 6,530,602	\$ 6,636,528	\$ (105,926)
			\$ (105,926)
<u>Miscellaneous County Costs</u>			
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	\$ 694,647	\$ (59,616)
Contingency	\$ 2,591,117	\$ -	\$ 2,591,117
Other	\$ 526,211	\$ 529,813	\$ (3,602)
Miscellaneous Costs Total	\$ 5,938,801	\$ 3,410,553	\$ 2,528,248
Total Cost for Midland project under 4th stipulation	\$ 131,912,853	\$ 102,270,579	\$ 29,642,274
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

<u>Project/Task/Line Item</u>	Total Project Costs		
	Total Proposed Budget	Expended to 6/30/17	Authorization Remaining
<u>Sewer Separation Construction Contracts</u>			
CSO 024 (Falter)	\$698,864	\$698,864	\$0
CSO 053/054 (Falter)	\$2,000,817	\$2,000,817	\$0
CSO 038//40/046A/046B (Falter)	\$3,598,931	\$3,524,487	\$74,444
CSO 047/048 (Falter)	\$1,654,022	\$1,654,022	\$0
CSO 050 (Lane)	\$4,362,188	\$4,362,188	\$0
CSO 051 (Lane)	\$5,037,280	\$5,037,280	\$0
CSO 022/045 (estimated Project Costs)	\$6,750,000	\$5,611,423	\$1,138,577
Construction Total	\$24,102,102	\$22,889,082	\$1,213,020
<u>Service Contracts (Engineering /Consulting /Program Management)</u>			
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	\$0
Spectra	\$437,996	\$437,996	\$0
Engineering/Management Total	\$2,631,746	\$3,123,029	-\$491,283
<u>Miscellaneous County Costs</u>			
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
GREEN	\$569,885	\$1,584	\$568,301
Other	\$13,540	\$4,093	\$9,447
Miscellaneous Costs Total	\$950,438	\$399,236	\$551,202
Total	\$27,684,286	\$26,411,347	\$1,272,939
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
 June 2017

Funding Sources			Appropriations
Program Funding			
09,10,11 Appropriations			\$ 875,000
2011 Suburban Green Infrastructure			\$ 200,000
2012 Appropriation			\$ 400,000
2011 Trolley Lot Parking Mitigation Appropriation*			\$ 125,000
2012 Green grant education			\$ 200,000
2013 Green Grant education			\$ 400,000
2014 Green Grant education			\$ 400,000
2015 Green Grant education			\$ 100,000
2016 Green Grant education			\$ 185,000
2017 Green Grant education			\$ 185,000
Total Appropriation			\$ 3,070,000
Funding Uses			
<u>Retz Advertising + Design</u>	Contract Amount	Expended to Date	Difference + (-)
2010/2011 Marketing Services	\$ 411,789	\$ 411,789	
2012 Marketing Services	\$ 224,303	\$ 224,303	
Marketing Services Subtotal	\$ 636,092	\$ 636,092	\$ (0)
<u>Environmental Finance Center Education and Outreach</u>	Contract Amount	Expended to Date	Difference + (-)
2011 Education and Outreach	\$ 346,677	\$ 346,677	
2012 Education and Outreach	\$ 241,815	\$ 241,815	
2013 Education and Outreach	\$ 237,758	\$ 237,758	
2014 Education and Outreach	\$ 350,126	\$ 350,125	
Education & Outreach Subtotal	\$ 1,176,376	\$ 1,176,376	\$ 0
<u>Baltimore Woods</u>			
Supplies	\$ 13,590	\$ 5,060	\$ 8,530
Transport	\$ 26,731	\$ 13,956	\$ 12,775
Travel	\$ 4,055	\$ 637	\$ 3,418
Env Educator Hours	\$ 48,282	\$ 30,842	\$ 17,440
Administrative Hours	\$ 47,336	\$ 26,975	\$ 20,361
Baltimore Education & Outreach	\$ 139,995	\$ 77,471	\$ 62,524
<u>Miscellaneous Ed/Outreach Expenses</u>	Contract Amount	Expended to Date	Difference + (-)
2010/2011 Miscellaneous Exp.	\$ 105,764	\$ 105,764	
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	\$ 48,494	\$ 48,494	
2017 Miscellaneous Exp	\$ 270,612		
Travel			
Purchase card/Petty cash		\$ 394	
Endeavor entertainment		\$ 300	
Mahar bus forms		\$ 2,540	
Paiges seeds		\$ 2,430	
AVI Consulting		\$ 496	
Catering A		\$ 500	
Focus Greater Syr	\$ 20,000	\$ 10,375	
OEI - RB Workshops	\$ 40,761	\$ 26,523	
Pinckney Hugo Grp	\$ 400,000	\$ 200,447	
Environmental Design and Research	\$ 20,000	\$ 20,000	
2010/2011 media	\$ 28,750	\$ 28,750	
2012 Media	\$ 1,500	\$ 1,500	
	\$ -	\$ -	\$ -
Miscellaneous Subtotal	\$ 1,117,536	\$ 630,169	\$ 487,367
STR Education and Outreach Totals	Contract Amount	Expended to Date	Difference + (-)
	\$ 3,070,000	\$ 2,520,108	\$ 549,891
Remaining Balance			\$ 549,891

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

APPENDIX

June 2017

	FINANCIAL TRACKING SUMMARY: FEDERAL & STATE GRANTS/LOANS APPROVED & RECEIVED										
		NYS	NYS	FED EPA	FED EPA	SHORT-TERM	SHORT-TERM	LONG-TERM	LONG-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				
PHOS TREAT OPTIMIZATION (587601)											
CSO - CURRENT											
CLINTON ST CONVEYANCE & RTF	\$31,245,000	\$54,870,000	\$54,870,000			\$70,288,890	\$41,834,264	\$78,568,119	\$39,896,650		
ERIE BLVD SEW SEP STORAGE	\$3,000,000	\$1,700,000	\$1,700,000			\$2,301,876	\$2,094,314	\$923,162	\$216,543		
FRANKLIN ST FCF	\$3,200,000	\$3,828,053	\$3,828,053			\$4,726,762	\$4,589,759	\$1,179,012	\$296,823		
HARBOR BROOK FCF	\$250,000	\$384,200	\$384,200					\$343,500	\$348,596		
HARBOR BROOK CSO ABATEMENT	\$5,444,000	\$3,880,000	\$3,880,000	\$14,003,569	\$15,378,304	\$53,689,500	\$46,700,136	\$62,477,416	\$26,113,432		
HIAWATHA INTERCEPTOR/RTF ^(a)	\$8,000,000							\$2,710,169	\$37,749	\$3,406,000	\$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	\$20,417,481		
MIDLAND AVE PHASE III	\$27,000,000					\$10,000,000					
MIDLAND AVE MITIGATION COSTS											
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	\$10,276,648	\$14,050,177	\$14,050,177
SIPHON REHABILITATION	\$1,230,000	\$870,768	\$870,768			\$1,435,500	\$1,024,433	\$140,623	\$1,958		
TEALL BROOK FCF	\$175,000	\$1,045,162	\$1,045,162			\$1,236,594	\$1,094,139	\$188,809	\$5,743		
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	\$121,708,598	\$17,456,177	\$17,456,177
*Original budget figures were based on 1997 dollars											
NYS includes awards beyond original pledge (i.e. civic strip)											
(a) NOTE: PROJECT IS US ARMY CORPS OF ENGINEERS PROJECT											
(b) NOTE: PROJECT RECEIVED \$40,500 COST SHARE GRANT FROM (NYSERDA)											
(c) NOTE: PROJECT RECEIVED \$87,500 COST SHARE GRANT FROM (NYSERDA)											

Lake Improvement Project Status Report For The Period Ending 6/30/2017

	Project Title	ACJ START DATE	ACJ FINISH DATE	COUNTY FINISH DATE	ORIGINAL BUDGET(2)	AUTHORIZED BUDGET	ENGINEER
	METRO - Current						
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	\$ 1,347,187	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/ STAGE II PHOSPHORUS REMOVAL	10/1/2001 10/1/2003	11/1/2003 4/1/2005	11/01/03	\$ 125,000,000 \$ 65,000,000	\$ 128,688,040	EEA
9	PHOSPHORUS REMOVAL - PILOT	4/1/2006	4/1/2007	12/31/00	\$ 5,000,000	\$ 4,111,714	EEA
	PHOSPHORUS OPTIMIZATION (587601)					\$ 2,840,000	GHD
	CSO - Current						
10	CLINTON ST. CONVEYANCE/ CLINTON ST. RTF	5/1/2003 5/1/2007	5/1/2007 1/1/2012	10/28/06 12/28/10	\$ 15,987,190 \$ 15,258,090	\$ 185,500,042	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	\$ 4,948,516	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	\$ 108,500,000	Moffa & Assoc.
15	HIAWATHA INTERCEPTOR/RTF ⁽³⁾		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	\$ 131,912,853	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 ⁽⁴⁾		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 ⁽¹⁾				\$ 50,000		Parsons
	TOTAL DOLLARS ⁽²⁾			* \$	380,000,000	\$ 667,335,192	
*Original budget figures were based on 1997 dollars							
(1) SEQR costs are reflected in the individual projects under total payments to date							
(2) Original budget figures were based on 1997 dollars							
(3) Hiawatha project costs did not all appear on county account partial ACE							
(4) AMP is paid through operating funds not in projects							
A - 3							

Lake Improvement Project Status Report For The Period Ending 6/30/2017

[illegible]

	Project Title	TOTAL PAYMENTS TO DATE 6-30-17	TOTAL PAYMENTS TO DATE 3-31-17	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/ STAGE II PHOSPHORUS REMOVAL	\$ 128,688,040 \$ -	\$ 128,688,040 \$ -	\$ -
9	PHOSPHORUS REMOVAL - PILOT	\$ 4,111,714	\$ 4,111,714	\$ -
	PHOSPHORUS OPTIMIZATION	\$ 610,253	\$ 602,252	\$ 8,001
	CSO - Current			\$ -
10	CLINTON ST. CONVEYANCE/ CLINTON ST. RTF	\$ 172,570,376 \$ -	\$ 172,405,009 0	\$ 165,367 \$ -
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	\$ 101,807,283	\$ 101,411,395	\$ 395,888
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	\$ 102,270,580	\$ 101,895,821	\$ 374,759
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	\$ 26,411,347	\$ 26,409,763	\$ 1,584
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	\$ 21,617,679	\$ 21,617,679	\$ -
28	OXYGENATION DEMO PROJECT	\$ 10,087	\$ 10,087	\$ -
29	SEQRA REGULATORY COMPLIANCE	\$ -	\$ -	\$ -
				\$ -
	TOTAL DOLLARS	\$ 636,185,528	\$ 635,239,929	\$ 945,599

Chronology of Project Construction Starts

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

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

**CONTRACTORS FOR
CONSTRUCTION PROJECTS
Metro Treatment Plant**

AERATION SYSTEM UPGRADE

Bongiovanni Construction (General)	\$ 5,626,956.41
Ridley Electric (Electrical)	\$ 846,154.00

DIGITAL SYSTEM UPGRADE

Systems Integrated	\$ 2,974,514.27
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ODOR CONTROL CONTRACT #1

Falconet, Inc. (General)	\$ 4,872,660.53
Scriba Electric (Electrical)	\$ 315,580.30
Burns Bros. (Heating/Ventilation)	\$ 82,459.00
Burns Bros. (Plumbing)	\$ 50,168.00

ODOR CONTROL CONTRACT #2

Murnane Construction	\$ 1,636,000.00
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**PHASE III IMPROVEMENTS CONTRACT 1 - DIGESTER & LAGOON
IMPROVEMENTS**

Maxim Construction	\$ 645,730.74
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**PHASE III IMPROVEMENTS CONTACT 2 - CHEMICAL STORAGE & FEED
FACILITIES**

C.O. Falter Construction Corp. (General)	\$ 2,527,300.08
Barry & Barry Electrical Co. (Electrical)	\$ 193,665.22
Burns Bros. (HVAC)	\$ 224,232.51
Edward Joy Company (Plumbing)	\$ 38,669.35

PHASE III IMPROVEMENTS CONTRACT 3 - DIGESTER & LAGOON CLEANING

Waste Stream Environmental Inc.	\$ 727,881.80
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FULL SCALE AMMONIA/PHOSPHORUS REMOVAL - FIELD OFFICE

James & Son Construction	\$ 28,388.00
Resun Leasing, Inc.	\$ 112,224.00
Ridley Electric Co.	\$ 32,295.00
Burns Brothers	\$ 18,440.00

FULL SCALE AMMONIA/PHOSPHORUS REMOVAL

U.S. Filter - Kruger Products, Inc.	\$ 8,261,182.00
U.S. Filter - Kruger Products, Inc.	\$ 3,918,080.00

CONTRACTORS FOR CONSTRUCTION PROJECTS Metro Treatment Plant

FULL SCALE AMMONIA/PHOSPHORUS REMOVAL

SITE PREPARATION - CONTRACT 2

C.O. Falter Construction Corp. (General)	\$ 22,243,604.98
Ridley Electric (Electrical)	\$ 255,627.00
C.O. Falter Construction Corp. (Pile Testing)	\$ 431,008.00
Moretrench Environmental	\$ 4,602,086.57

PILE INSTALLATION - CONTRACT 3

M.A. Bongiovanni Construction	\$ 9,045,731.95
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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)	\$ 1,476,223.00
Airside Technology (HVAC)	\$ 532,187.00
Burns Bros. (Plumbing)	\$ 173,679.09
Independent Field Svs (Cogen)	\$ 18,019.75

CSO's

CLINTON CONVEYANCES PHASE I & 2A

The Delaney Group, Inc.	\$ 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)	\$3,825,000.00

CLINTON CSO ABATEMENT

Ruston Paving (Farmers' market Lot)	\$ 188,046.14
Davis Wallbridge (Pearl St/Lot 3)	\$ 635,873.93
Davis Wallbridge (Townsend St.)	\$ 476,625.39
J&B (Pirro Conv. Center)	\$ 1,083,727.39
C.O. Falter (War Memorial)	\$ 692,298.87
Ridley (War Memorial)	\$ 447,957.66
Economy Paving (On Center)	\$ 1,094,119.49
J&B (Erie Canal Museum)	\$ 73,480.00
Jett Industries (Clinton Storage)	\$ 79,762,239.12
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
Syracuse Utilities (Duct Bank)	\$ 59,982.56
Water Cooling Corp. (Storage Tank)	\$ 2,875.00

**CONTRACTORS FOR
CONSTRUCTION PROJECTS
CSO's (cont)**

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
Wallbridge (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 Wallbridge (Onon Cty Pub Library)	\$ 320,291.95
Tumbers, Schichtels Nursery (Trees), Martisco, Dixie, Pro Scapes	\$ 991,497.10
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)	\$ 51,382.74
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 Wallbridge (Westcott St.)	\$ 870,263.89
ProScapes (Sunnycrest Arena) & C&S Sweeping	\$ 89,441.47
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)	\$ 2,099,385.19
J&J Landscape (annual green)	\$ 297,362.48
King & King Architects (GIF)	\$ 100,000.00
Jefferson Clinton Commons (GIF)	\$ 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

**CONTRACTORS FOR
CONSTRUCTION PROJECTS
CSO's (cont)**

Kopp Billing Agency (GIF)	\$	25,300.00
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
Jeffrey DeRoberts (GIF)	\$	99,311.00
Bethany Baptist Church (GIF)	\$	343,333.00
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)	\$	517,000.00
Erie Bruce Corp (GIF)	\$	151,700.00
538 Erie Boulevard West (GIF)	\$	130,850.00
Near West Side Initiatives, Inc. (GIF)	\$	94,300.00
UAS (GIF)	\$	57,600.00
Brewster Medical (GIF)	\$	221,000.00
Richmond UAS Properties (GIF)	\$	299,200.00
Taksum Assoc. (GIF)	\$	45,200.00
Zip Networks (GIF)	\$	205,775.00
Ra lin Inc. (GIF)	\$	137,000.00
Ra lin Inc. (GIF)	\$	238,400.00
Butternut St. LLC (GIF)	\$	104,430.00
Nojaim Inc. (GIF)	\$	234,800.00
St. Joseph's Hospital Health Center (GIF)	\$	145,900.00
Auto Row (GIF)	\$	138,000.00

**CONTRACTORS FOR
CONSTRUCTION PROJECTS
CSO's (cont)**

WCNY (GIF)	\$ 98,527.00
Auto Row (GIF)	\$ 164,000.00
University Hill Apts. (GIF)	\$ 36,500.00
J C Smith Inc. (GIF)	\$ 84,411.00
St. Joseph's Hospital Health Center (GIF)	\$ 33,100.00
Housing Visions Unlimited (GIF)	\$ 70,200.00
R J Westcott (GIF)	\$ 125,750.00
R J Westcott (GIF)	\$ 130,400.00
R J Westcott (GIF)	\$ 18,000.00
Nick's Garage (GIF)	\$ 382,000.00
Tan A Grocery (GIF)	\$ 52,000.00
Consuela's-Tato Britter Transp. (GIF)	\$ 38,237.50
Auto Row (GIF)	\$ 147,600.00
Jorge Auto Repair (GIF)	\$ 109,500.00
Pyramids Halal Meat (GIF)	\$ 49,000.00
Lisa Welch (GIF)	\$ 32,877.00
Heritage Lincoln (GIF)	\$ 654,600.00
JNJ (GIF)	\$ 83,200.00
900 E Fayette (GIF)	\$ 65,800.00
712-715 E Fayette Group (GIF)	\$ 47,600.00
Gadsen Property (GIF)	\$ 58,000.00
MPL Armory m(GIF)	\$ 48,000.00
Near West Side (GIF)	\$ 681,658.00
North Side Learning (GIF)	\$ 189,000.00
751 N Salina LLC (GIF)	\$ 53,800.00
Lisa Welch (GIF)	\$ 40,423.00
800 Block (GIF)	\$ 170,500.00

ERIE BOULEVARD STORAGE SYSTEM

M. Hubbard Construction	\$ 1,556,752.00
Ridley 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
John Dudley Construction (Geddes St)	\$ 279,068.06
J&B Installations (Hazard Library/Erie Canal Museum)	\$ 67,275.00
Economy Paving (Rosamond Gifford Zoo)	\$ 688,638.00

**CONTRACTORS FOR
CONSTRUCTION PROJECTS
CSO's (cont)**

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	\$ 347,542.53
City of Syracuse	\$ 3,342,875.63
VIP	\$ 51,382.74
Steadman Old Farm	\$ 11,480.00
Bette Cring (Zoo Wetlands)	\$ 1,290,064.10
Marcellus Const. (CSO 063)	\$ 5,612,007.53
OnSite	\$ 8,755.00
J J Lane (CSO 18)	\$ 4,370,168.29
Patricia Electric (Wetland Pilot)	\$ 197,767.56
MOU City of Syracuse (Road Reconstruction)	\$ 138,165.00
Davis Wallbridge (Wadsworth Park)	\$ 345,524.55
Acts II (Lewis Park)	\$ 217,285.58
J & J Landscape (Annual Green)	\$ 25,807.00
DE Tarolli (Green Structures)	\$ 12,576.00
Knapp Electric (Wetlands)	\$ 41,856.00
Vitale Excavating (Bedding Sand), Butler Fence	\$ 232,533.35
Barton & Loguidice	\$ 4,600.00
NYSARC, Inc. (GIF)	\$ 78,907.14
Vibrant Spaces, LLC (GIF)	\$ 153,618.00
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)	\$ 232,200.00
Burnet Park Newstand (GIF)	\$ 60,622.00
Visiting Nurse Assoc. of CNY (GIF)	\$ 60,349.20
All Times (GIF)	\$ 92,600.00

HARBOR BROOK FCF

C.O. Falter Construction Corp. (General)	\$ 373,370.21
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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	\$ 51,624.16

**CONTRACTORS FOR
CONSTRUCTION PROJECTS
CSO's (cont)**

MALTBIE STREET FCF

Over & Under Piping	\$ 152,418.00
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MIDLAND AVENUE CONVEYANCES

Marcellus Construction (General)	\$ 1,836,434.47
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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

MIDLAND AVENUE PHASE III CONVEYANCES

Titan Wrecking & Environmental, LLC (Demolition)	\$ 290,801.39
Edward Joy Company (HVAC)	\$ 2,053,808.50
Edward Joy Company (Plumbing)	\$ 484,717.17
Tumbers, Schichtels Nursery, Ballantyne, Other(Batcon)	\$ 595,409.00
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
J & J Landscape (annual green)	\$ 92,997.00
VIP (Onon Public Library)	\$ 25,691.39
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)	\$ 118,172.50
Barton & Loguidice (green design)	\$ 334,800.00
D E Tarolli (Annual green)	\$ 2,606,540.28
Marcellus Construction (green Infrastructure)	\$ 2,428,114.52
Jubilee Homes of Syracuse (GIF)	\$ 200,000.00
Dunbar Association, Inc. (GIF)	\$ 99,840.00
Syracuse Model Neighborhood (GIF)	\$ 250,000.00
People's AME Zion Church (GIF)	\$ 61,300.00
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)	\$ 146,700.00
Swallows (GIF)	\$ 111,900.00
Viraj NY (GIF)	\$ 125,200.00
Viraj Salina (GIF)	\$ 320,100.00
Believers Chapel (GIF)	\$ 167,800.00
Southside Comm. Coalition (GIF)	\$ 59,800.00

**CONTRACTORS FOR
CONSTRUCTION PROJECTS
CSO's (cont)**

SEWER SEPARATION - CSO 022/045

Joy Process Mechanical (Plumbing)

\$ 853,536.68

Joseph J. Lane Construction

\$ 4,757,886.66

SEWER SEPARATION - CSO 024

C.O. Falter Construction Corp.

\$ 698,863.74

SEWER SEPARATION - CSO 053/054

C.O. Falter Construction Corp.

\$ 2,000,817.40

SEWER SEPARATION - CSO 038, 040, 046A&B

C.O. Falter Construction Corp.

\$ 3,524,487.29

SEWER SEPARATION - CSO 047 & 048

C.O. Falter Construction Corp.

\$ 1,654,022.34

SEWER SEPARATION - CSO 050

Joseph J. Lane Construction

\$ 4,360,527.06

SEWER SEPARATION - CSO 051

Joseph J. Lane Construction

\$ 5,029,323.00

SEWER SEPARATION - OTHER

Other - tree, fence

\$ 144,701.90

Pastime Athletic Club (GIF)

\$ 92,700.00

SIPHON REHABILITATION

Insituform Metropolitan

\$ 1,021,822.99

C.O. Falter Construction Corp. (General)

\$ 877,095.43

Scriba Electric (Electrical)

\$ 26,470.20

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
DMR	Discharge Monitoring Report
DO	Dissolved Oxygen
EBM	Ecosystem-Based Management
ECL	Environmental Conservation Law
ECM	Energy Conservation Measures
EECBG	Energy Efficiency and Conservation Block Grant
ELAP	Environmental Laboratory Approval Program
EMS	Environmental Management System
ERM	Environmental Resource Mapper
FCF	Floatable Control Facility
FOG	Fats, Oil, and Grease
GIF	Green Improvement Fund

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
MCP	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	Technology-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

