

# **ONONDAGA LAKE IMPROVEMENT PROJECT**

**ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT  
PROTECTION**

## **MONTHLY REPORT**

**Covering the Month of April 2010**

Submitted May 10, 2010

## Project Progress for the Month of April

### A. Highlights of the month:

- **Harbor Brook Interceptor Sewer Replacement Project.** Project will receive ARRA stimulus monies. The construction contract is with J.J. Lane. The construction cost is \$12,217,888. Notice to Proceed was issued on November 25, 2009. Construction is underway and is scheduled to be completed this year.
- ACJ required projects are proceeding with evaluations, reports, final designs and construction.
- DEC Commissioner Pete Grannis joined County Executive Joanne Mahoney in celebrating Earth Day with a joint announcement about continued programs to clean Onondaga Lake.
- The EPA honored Onondaga County, The Onondaga Nation, Atlantic States Legal Foundation and the Partnership for Onondaga Creek with the Environmental Quality Award for their collaboration in developing and introducing green infrastructure solutions into the clean-up of Onondaga Lake.
- During the month of April, presentations on the County's Green Infrastructure program were given to the following organizations:
  - University Hill Corporation on April 8.
  - SUNY Upstate Medical Center on April 9.
  - Crouse Marshall Business Improvement District on April 15.
- The County also kicked off a pilot rain barrel program on the South and West sides of the City of Syracuse. The pilot program will provide free rain barrels for residents to capture stormwater on their properties. The program received a grant from EFC.
- The County has continued close collaboration with the City of Syracuse on the development of a "green" parking lot program with the first scheduled for the Downtown Farmer's Market. Construction of the Farmer's Market lot will begin in May.
- The **skimmer boat operation** began the first week of April 2010. Under the contract with Waste Resources, Inc., the boat will collect and remove debris once weekly during the months of April and May. The first event scheduled at the Inner Harbor is on May 8.

## **B. Progress of Projects Under Construction**

### **Harbor Brook Interceptor Replacement**

*State allocated \$20m for Interceptor Sewer Replacement and Culvert work*

- Construction is proceeding. 2837 feet of interceptor pipe has been installed , 2300 feet of sanitary sewer pipe has been installed, and 290 feet of storm sewer has been installed. Project is scheduled to be substantially complete in 2010 with final restoration in Spring 2011.

## **C. Projects in Design Stage**

### **Midland Phase III (CSO)**

- A contract agreement is being finalized for engineering services to proceed with the facilities planning for CSO's 052 (Hunt and Elmhurst) and 060/077 (West Colvin) in the Midland area. Design is in progress for completion of a smaller conveyance to connect CSO 044 (South Ave and West Castle).

### **Clinton CSO Abatement**

- Design is in progress for a large storage facility in the Trolley Lot. A contract agreement is being finalized for engineering services to proceed with the facilities plan for 027 (West Fayette) and 029 (Walton).
- CSO's 022 (West Genesee) sewer separation project design to be finalized.

The goal of the Clinton project is to address the abatement of 11 CSO's between Fayette and Oneida Streets located near downtown Syracuse.

### **Harbor Brook CSO Abatement**

Design is in progress for a large storage facility in the Harbor Brook Sewershed near State Fair Blvd.

## **D. Other Activities**

- Work on RFP's, Proposal reviews and Amendments for design and facilities planning.

**E. Completed Projects**

**Projects completed since July 2002 not included in Interim Projects**

- Ammonia/Phosphorus Removal Combined Project (Metro)
- West St. Sewer Separation (CSO 057, 058 and 059)
- Water St. Sewer Separation (CSO 024)
- Brighton Sewer Separation Project (CSO 053 and 054)
- Tallman/Onondaga Sewer Separation Project (CSO 038,040, 046a and 046b)
- South Ave./Bissell St. Sewer Separation (CSO 047 and 048)
- Parkway/Rockland Ave Sewer Separation (CSO 050)
- South Ave./Colvin St. Sewer Separation (CSO 051)

**F. Major Milestones met for CSO Interim Projects**

The following is a summary of the projects completed under Appendix B page 10 –12 of the Amended Consent Judgment. Each of these ten CSO-related projects had a major milestone completion date of July 1, 2002. Some of these “interim” projects were completed well ahead of the major milestone date and all except two met the original major milestone date.

The projects are listed below chronologically by date completed:

<b>Project</b>	<b>Completion Date</b>
<b>Evaluation of Siphon Crossings</b>	May 1999
<b>Hiawatha Regional Treatment and Storage</b>	July 2001
<b>Newell Regional Treatment Facility</b> Disinfection Tested and Report filed.	July 2001
<b>Teall Brook Floatables Control Facility</b>	December 2001
<b>Evaluation of CSO Toxicity</b>	May 2002
<b>Erie Boulevard Storage System Upgrade</b>	June 2002
<b>Onondaga Creek Floatables Control Facility</b> Skimmer boat in operation beginning summer '02.	June 2002
<b>Harbor Brook Floatables Control Facility</b>	July 2002
<b>Harbor Brook CSO Abatement</b>	Milestone revision to January 1, 2012 under ACJ amendment signed 12/14/06.
<b>Kirkpatrick St. Pump Station Upgrade and Force Main</b>	November 1, 2002

## Major Milestones Met for Metro Interim Projects

Under Appendix A of the ACJ, certain improvement projects at Metro were designated as interim projects and given a major milestone date for completion of July 1, 2002. All six projects were completed by the milestone date and most well ahead of schedule. The projects are listed below by date completed:

<b>Project</b>	<b>Date Completed</b>
<b>Phase II Plant Improvements</b>	January 1999
<b>Aeration System Upgrade</b>	January 2000
<b>Odor Control and Residual Handling</b>	December 2000
<b>Digester Modifications –Phase III Improvements</b>	December 2000
<b>Chemical Storage</b>	April 2001
<b>Digital System Improvements</b>	December 2001

### G. Ambient Monitoring Program

- **Summary of Sampling Program**

**Tributary Sampling conducted this month included:**

- Biweekly tributary sampling on April 13 and 27.
- Bacteria tributary sampling on April 5, 19 and 22.

**Lake Sampling conducted this month included:**

- Special weekly sampling on April 1, 12 and 26.
- Double Lake (south and north) sampling on April 7.
- Biweekly sampling on April 20 (with special weekly low level mercury)
- Deployed the Lake South Deep Telemonitoring Buoy on April 29.

**Biological Monitoring:**

- Equipment preparation and repairs for 2010 monitoring season.
- Attended OLP Fisheries Outreach Committee Meeting on April 7. Received updates on Baldwinsville Carp Tournament.
- Conducted Miller High Speed Pelagic Larval testing of sampling equipment and training for sampling season.
- Performed first Pelagic Larval sampling event on April 21.
- Macroinvertebrate sample training for sampling season.
- Macrophyte and macroinvertebrate field sampling to restart in June.

## **H. Contracts**

### **New Contracts**

- **ACJ Program Management**
- Contract with CNY Regional Planning & Development Board to provide technical assistance pursuant to Appendix 1 of the ACJ Stipulation signed November 2009.
- Contact Amount: \$105,449.00. Executed: April 2.

### **Amendments to Existing Contracts**

- **Midland Ave RTF & Conveyances Project**
- Contract Amendment with Environmental Engineering Associates, LLP for design and bid phases of CSO 044.
- Amendment Amount: \$268,983.00. Executed: April 2.
  
- **Clinton CSO Abatement Project**
- Contact Amendment with Environmental Engineering Associates, LLP (EEA) for revisions to the design of the storage tank and geotechnical design.
- Amendment Amount: \$117,000.00. Executed: April 2.
  
- **Harbor Brook CSO Abatement Project**
- Contact Amendment with Environmental Engineering Associates, LLP (EEA) for revisions to the design of the Lower Harbor Brook Storage facility.
- Amendment Amount: \$76,200.00. Executed: April 2.

### **Change Orders**

- None to report

## **I. Legislative Action**

### **Action items of the County Legislature in the month of April**

- Resolution Authorizing an Intermunicipal Agreement with the City of Syracuse for the Construction of a New Water Main and Transmission Lines in the Harbor Brook Sewershed.

### **Upcoming for May Legislative Session:**

- No Items.

**Upcoming for May Committee:**

- Resolution Calling a Public Hearing in Connection with the Proposed Increased Cost of Sewer Separation Improvements (CSO 022).

**J. Funding**

**GRANTS**

**State Bond Act Funds**

- Received \$2,000,000 retainage for Clinton CSO Abatement project on April 9.

**Total payments received to date in State Bond Act funds - \$124,900,000**

**Federal EPA Funds**

- None to report.

**Total received to date in Federal EPA Funds - \$83,074,381.**

**Federal Army Corps of Engineers Funds**

- **Reimbursements requested in April:**
  - No requests.
- **Reimbursements received in April:**
  - No reimbursements received

**Total received to date from US Army Corps of Engineers Funds- \$13,719,702.**

**LOANS**

- **Reimbursement requests to EFC in April:**
  - Harbor Brook Interceptor for \$1,724,783.42
- **The following reimbursement payments were received from EFC during the month of April:**
  - No reimbursements received

**Total reimbursement monies received to date through EFC Loans for the funded ACJ projects: \$167,938,324 (short term), \$36,893,935(long term).**

# APPENDIX



# 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 toTeall
• 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	Authorized/Underway	
<u>2009</u>		
• Sewer Separation – CSO 051	Complete	Colvin St.
<u>2010</u>		
• Harbor Brook Interceptor Sewer	Authorized/Underway	Velasko/Fayette

**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 CONTRACT 2 – CHEMICAL STORAGE & FEED FACILITIES

C.O.Falter Construction Corp. (General)	\$2,528,952.08
Barry & Barry Electrical Co. (Electrical)	\$ 193,665.22
Burns Bros. (HVAC)	\$ 224,232.51
Edward Joy Company (Plumbing)	\$ 38,669.37

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.	\$ 8,271,182.00
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)	\$22,243,695.00
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)	\$10,797,155.85
Ridley Electric (Electrical)	\$1,476,223.00
Airside Technology (HVAC)	\$ 497,066.00
Burns Bros. (Plumbing)	\$ 173,679.09

**CSOs**

**CLINTON CONVEYANCES PHASE I**

The Delaney Group, Inc.	\$14,478,053.39
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**CLINTON CONVEYANCES PHASE 2A**

The Delaney Group, Inc.	\$ 4,139,105.10
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**ERIE BOULEVARD STORAGE SYSTEM**

M. Hubbard Construction	\$1,556,752.00
Ridley Electric (Electrical)	\$ 154,059.47

**FRANKLIN STREET FCF**

Maxim Construction (General)	\$3,568,029.43
Burns Bros. (Mechanical)	\$ 174,350.00
Scriba Electric (Electrical)	\$ 144,640.61
Burns Bros. (Plumbing)	\$ 33,217.97

**CONTRACTORS for  
CONSTRUCTION PROJECTS  
CSOs**

HARBOR BROOK CSO ABATEMENT

Titan Wrecking & Environmental, LLC (Demolition)	\$ 227,850.00
Joseph J. Lane Construction (Interceptor Sewer Replacement)	\$12,217,888.00

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.	\$ 4,477,820.47
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

MALTBIE STREET FCF

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

Marcellus Construction (General)	\$2,060,719.09
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MIDLAND AVENUE PHASE II CONVEYANCES & RTF

Empire Dismantlement Corp. (Demolition)	\$ 461,169.00
Murnane Building Contractors, Inc. (General)	\$47,929,393.00
Ridley Electric Company (Electrical)	\$ 2,984,611.00
Edward Joy Company (HVAC)	\$ 2,053,808.50
Edward Joy Company (Plumbing)	\$ 484,717.17

MIDLAND AVENUE PHASE III CONVEYANCES

Titan Wrecking & Environmental, LLC (Demolition)	\$ 256,450.00
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SEWER SEPARATION – CSO 024

C.O. Falter Construction Corp.	\$ 701,799.00
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SEWER SEPARATION – CSO 053/054

C.O. Falter Construction Corp.	\$ 2,211,604.54
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SEWER SEPARATION – CSO 038, 040, 046A&B

C.O. Falter Construction Corp.	\$ 3,598,930.76
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**CONTRACTORS for  
CONSTRUCTION PROJECTS  
CSOs**

<u>SEWER SEPARATION – CSO 047 &amp; 048</u> C.O. Falter Construction Corp.	\$ 1,654,022.34
<u>SEWER SEPARATION – CSO 050</u> Joseph J. Lane Construction	\$ 4,474,888.00
<u>SEWER SEPARATION – CSO 051</u> Joseph J. Lane Construction	\$ 4,217,888.00
<u>SIPHON REHABILITATION</u> Insituform Metropolitan	\$1,025,551.00
<u>TEALL BROOK FCF</u> C.O. Falter Construction Corp. (General) Scriba Electric (Electrical)	\$ 877,095.43 \$ 26,470.20
<u>WEST STREET AREA SEWER SEPARATION</u> Maxim Construction (General)	\$2,467,488.50

**April 2010**

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
<b>METRO - CURRENT</b>											
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 )											
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				
<b>CSO - CURRENT</b>											
CLINTON ST CONVEYANCE & RTF	\$31,245,000	\$20,000,000	\$20,000,000			\$37,788,890	\$8,536,101				
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					\$20,000,000	\$333,026				
HIAWATHA INTERCEPTOR/RTF <sup>(a)</sup>	\$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	\$48,904,185	\$28,369,366						
MIDLAND AVE PHASE II & RTF	\$45,000,000					\$15,000,000	\$15,000,000	\$25,155,568	\$8,456,884		
MIDLAND AVE PHASE III	\$27,000,000					\$10,000,000					
MIDLAND AVE MITIGATION COSTS											
NEWELL ST FCF <sup>(b)</sup>	\$1,310,000	\$367,737	\$367,737								
ONONDAGA CREEK FCF	\$3,000,000	\$442,154	\$442,154								
SEWER SEPARATION <sup>(a)</sup>	\$7,704,000							\$4,278,406	\$3,778,206	\$13,087,849	\$10,313,702
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		
<b>OTHER</b>											
AMBIENT WATER MONITORING	\$8,000,000										
OXYGENATION DEMO	\$2,400,000										
SEQR REGULATORY	\$50,000										
<b>TOTAL DOLLARS</b>	<b>*\$380,000,000</b>	\$124,900,000	\$124,900,000	\$103,609,200	\$83,074,381	\$229,913,757	\$167,938,324	\$80,961,162	\$36,893,935	\$16,493,849	\$13,719,702
<b>*Original budget figures were based on 1997 dollars</b>											
(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)											

April 2010

FINANCIAL TRACKING SUMMARY:					
FEDERAL & STATE GRANTS/LOANS APPLIED FOR, NOT YET APPROVED					
PROJECT NAME	ORIGINAL BUDGET	EFC SHORT TERM	EFC LONG TERM	E.P.A.	NYS FUNDING
<b>METRO - CURRENT</b>					
AERATION SYSTEM UPGRADE	\$8,500,000				
AMMONIA REMOVAL DEMO	\$2,000,000				
BIOSOLIDS - MECHANICAL THICKENERS					
DIGESTER MOD/CHEMICAL STORAGE	\$5,600,000				
DIGITAL SYSTEM IMPROVEMENTS	\$2,900,000				
MISCELLANEOUS IMPROVEMENTS	\$1,400,000				
ODOR CONTROL	\$7,700,000				
AMMONIA REMOVAL FULL SCALE/ STAGE II PHOSPHORUS REMOVAL	\$190,000,000				
PHOSPHORUS REMOVAL PILOT	\$5,000,000				
<b>CSO - CURRENT</b>					
CLINTON ST CONVEYANCE & RTF	\$31,245,000				
ERIE BLVD SEW SEP STORAGE	\$3,000,000				
FRANKLIN ST FCF	\$3,200,000				
HARBOR BROOK FCF	\$250,000				
HARBOR BROOK CSO ABATEMENT	\$5,444,000				\$3,880,000
HIAWATHA INTERCEPTOR/RTF	\$8,000,000				
KIRKPATRICK ST PUMP STATION	\$5,642,000				
MALTBIE ST FCF	\$250,000				
MIDLAND AVE CONVEYANCE	\$3,000,000				
MIDLAND AVE PHASE II & RTF	\$45,000,000				
MIDLAND AVE PHASE III	\$27,000,000				
MIDLAND AVE MITIGATION COSTS					
NEWELL ST FCF	\$1,310,000				
ONONDAGA CREEK FCF	\$3,000,000				
SEWER SEPARATION	\$7,704,000				
SIPHON REHABILITATION	\$1,230,000				
TEALL BROOK FCF	\$175,000				
WEST ST SEWER SEPARATION	\$1,000,000				
<b>OTHER</b>					
AMBIENT WATER MONITORING	\$8,000,000				
OXYGENATION DEMO	\$2,400,000				
SEQR REGULATORY	\$50,000				
TOTAL DOLLARS	<b>*\$380,000,000</b>	\$0	\$0	\$0	\$3,880,000
<b>*Original budget figures were based on 1997 dollars</b>					



**Lake Improvement Project Status Report For The Period Ending 4/30/2010**

	Project Title	ACJ START DATE	ACJ FINISH DATE	COUNTY FINISH DATE	ORIGINAL BUDGET(12)	AUTHORIZED BUDGET	ENGINEER
	<b>METRO - Current</b>						
1	AERATION SYSTEM UPGRADE		7/1/2002	01/03/00	\$ 8,500,000	\$ 6,925,115	EEA
2	AMMON. REMOVAL DEMONSTRATION	11/1/1998	3/1/2000	12/31/99	\$ 2,000,000	\$ 1,350,000	EEA
3	BIOSOLIDS - MECHANICAL THICKENERS					\$ 15,100,000	
4	DIGESTER MOD/CHEMICAL STORAGE		7/1/2002	10/31/00	\$ 5,600,000	\$ 5,092,545	C&S
5	DIGITAL SYSTEMS IMPROVEMENTS		7/1/2002	06/31/01	\$ 2,900,000	\$ 3,520,317	Systems Integrated
6	MISCEL. IMPROVEMENTS		7/1/2002	01/31/99	\$ 1,400,000	\$ 1,400,000	
7	ODOR CONTROL		7/1/2002	12/20/00	\$ 7,700,000	\$ 8,393,855	OBG
8	AMMONIA REMOVAL FULL SCALE/	10/1/2001	11/1/2003	11/01/03	\$ 125,000,000	\$ 129,386,187	EEA
	STAGE II PHOSPHORUS REMOVAL	10/1/2003	4/1/2005		\$ 65,000,000		
9	PHOSPHORUS REMOVAL - PILOT	4/1/2006	4/1/2007	12/31/00	\$ 5,000,000	\$ 4,300,000	EEA
	<b>CSO - Current</b>						
10	CLINTON ST. CONVEYANCE/	5/1/2003	5/1/2007	10/28/06	\$ 15,987,190	\$ 111,442,042	EEA
	CLINTON ST. RTF	5/1/2007	1/1/2012	12/28/10	\$ 15,258,090		
11	ERIE BLVD STORAGE SYSTEM		7/1/2002	04/13/02	\$ 3,000,000	\$ 2,684,523	Barton & Loguidice
12	FRANKLIN ST. FCF	4/26/1999	5/1/2000	05/01/00	\$ 3,200,000	\$ 5,216,618	EEA
13	HARBOR BROOK FCF		7/1/2002	07/01/02	\$ 250,000	\$ 889,109	EEA
14	HARBOR BROOK CSO ABATEMENT		7/1/2002		\$ 5,443,980	\$ 31,500,000	Moffa & Assoc.
15	HIAWATHA INTERCEPTOR/RTF <sup>(7)</sup>		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 <sup>(9)</sup>	8/31/1998	7/1/2002	04/26/99	\$ 250,000	\$ 362,028	EEA
18	MIDLAND AVE CONVEYANCES	5/1/1999	5/1/2004	12/06/00	\$ 2,000,000	\$ 3,000,000	EEA
19	MIDLAND AVE PHASE II & RTF	5/1/2004	5/1/2007	04/18/04	\$ 45,000,000	\$ 75,186,553	EEA
20	MIDLAND AVE PHASE III	5/1/2004	5/1/2007	07/27/06	\$ 28,000,000	\$ 67,182,300	EEA
21	MIDLAND AVE MITIGATION COSTS					\$ 3,000,000	
22	NEWELL STREET RTF		7/1/2002	07/01/01	\$ 1,310,000	\$ 473,132	Moffa & Assoc.
23	ONONDAGA CREEK FCF		7/1/2002	07/01/02	\$ 3,000,000	\$ 648,342	Parsons
24	SEWER SEPARATION <sup>(10)</sup>		1/1/2012	01/01/12	\$ 7,703,880	\$ 22,684,286	OBG
25	SIPHON REHABILITATION		7/1/2002	06/11/99	\$ 1,230,000	\$ 1,026,391	C&S
26	TEALL BROOK FCF		7/1/2002	12/01/01	\$ 175,000	\$ 1,235,346	EEA
27	WEST ST SEWER SEPARATION	5/1/1999		01/14/00	\$ 1,000,000	\$ 2,720,572	CHA
	<b>OTHER</b>						
28	AMBIENT WATER MONITORING		7/1/2002		\$ 8,000,000		
29	OXYGENATION DEMO PROJECT	5/1/1999	4/1/2003	02/25/04	\$ 2,400,000	\$ 10,087	
30	SEQRA REGULATORY COMPLIANCE (11)				\$ 50,000	\$ 50,000	Parsons
	TOTAL DOLLARS <sup>(12)</sup>				* \$ 380,000,000	\$ 523,384,866	
	*Original budget figures were based on 1997 dollars						

**Lake Improvement Project Status Report For The Period Ending 4/30/2010**

	<u>SOFT COST CONTRACTS (1)</u>	<u>CONSTRUCTION CONTRACT AMOUNTS</u>	<u>TOTAL PAYMENTS TO DATE (2)</u>	<u>FORECASTED COSTS (3)</u>	<u>TOTAL ESTIMATED COST (4)</u>	<u>OVER/UNDER BUDGET(5)</u>	<u>% COMPLETED EXPENDITURES(6)</u>
1	\$ 352,747	\$ 6,473,110	\$ 6,925,115		\$ 6,925,115	\$ (1,574,885)	100.00%
2	\$ 1,346,856		\$ 1,347,187		\$ 1,347,187	\$ (652,813)	100.00%
3	\$ 1,271,465	\$ 13,113,633	\$ 14,597,636	\$ 204,458	\$ 14,802,094	\$ 14,802,094	98.62%
4	\$ 748,386	\$ 4,357,480	\$ 5,092,545		\$ 5,092,545	\$ (507,455)	100.00%
5	\$ 451,713	\$ 2,974,514	\$ 3,520,317		\$ 3,520,317	\$ 620,317	100.00%
6			\$ 1,400,000		\$ 1,400,000	\$ -	100.00%
7	\$ 999,299	\$ 6,956,868	\$ 8,393,855		\$ 8,393,855	\$ 693,855	100.00%
8	\$ 21,289,868	\$ 106,962,810	\$ 128,688,040		\$ 128,688,040	\$ (61,311,960)	100.00%
9	\$ 4,056,741		\$ 3,847,900	\$ -	\$ 3,847,900	\$ (1,152,100)	100.00%
10	\$ 9,253,897	\$ 21,408,299	\$ 33,233,296	\$ 78,208,746	\$ 111,442,042	\$ 80,196,762	29.82%
11	\$ 901,556	\$ 1,734,929	\$ 2,684,523		\$ 2,684,523	\$ (315,477)	100.00%
12	\$ 973,543	\$ 3,920,238	\$ 4,948,516	\$ 2,018,689	\$ 6,967,205	\$ 3,767,205	71.03%
13	\$ 436,363	\$ 373,370	\$ 804,020	\$ 66,397	\$ 870,417	\$ 620,417	92.37%
14	\$ 6,546,611		\$ 11,723,284	\$ 48,276,716	\$ 60,000,000	\$ 54,556,020	19.54%
15	\$ 540,945	\$ 5,535,152 <sup>(8)</sup>	\$ 6,047,183	\$ 3,406,000	\$ 9,453,183	\$ 1,453,183	63.97%
16	\$ 2,520,394	\$ 9,882,154	\$ 12,558,335		\$ 12,558,335	\$ 6,916,475	100.00%
17	\$ 109,483	\$ 152,418	\$ 362,028		\$ 362,028	\$ 112,028	100.00%
18	\$ 20,744,444	\$ 55,949,700	\$ 2,915,724		\$ 2,915,724	\$ 915,724	100.00%
19			\$ 68,911,540	\$ 6,275,013	\$ 75,186,553	\$ 30,186,553	91.65%
20			\$ 4,789,586	\$ 62,392,714	\$ 67,182,300	\$ 39,182,300	7.13%
21			\$ 2,253,793	\$ 746,207	\$ 3,000,000	\$ 3,000,000	75.13%
22	\$ 472,572		\$ 473,132		\$ 473,132	\$ (836,868)	100.00%
23	\$ 503,551		\$ 648,342		\$ 648,342	\$ (2,351,658)	100.00%
24	\$ 1,829,670	\$ 16,531,049	\$ 18,454,575	\$ 4,229,711	\$ 22,684,286	\$ 14,980,406	81.35%
25		\$ 1,021,823	\$ 1,026,391		\$ 1,026,391	\$ (203,609)	100.00%
26	\$ 320,039	\$ 903,566	\$ 1,235,346		\$ 1,235,346	\$ 1,060,346	100.00%
27	\$ 403,332	\$ 2,311,126	\$ 2,720,572		\$ 2,720,572	\$ 1,720,572	100.00%
28			\$ 13,005,665	\$ (5,005,665)	\$ 8,000,000	\$ -	162.57%
29	\$ 10,087		\$ 10,087		\$ 10,087	\$ (2,389,913)	100.00%
30							
	\$ 76,083,561	\$ 260,562,240	\$ 362,618,534	\$ 200,818,986	\$ 563,437,520	\$ 183,487,520	

	Project Title	TOTAL PAYMENTS TO DATE 4-30-10	TOTAL PAYMENTS TO DATE 3-31-10	Change
	<b>METRO - Current</b>			
1	AERATION SYSTEM UPGRADE	\$ 6,925,115	\$ 6,925,115	\$ -
2	AMMON. REMOVAL DEMONSTRATION	\$ 1,347,187	\$ 1,347,187	\$ -
3	BIOSOLIDS - MECHANICAL THICKENERS	\$ 14,597,636	\$ 14,597,636	\$ -
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	\$ 3,847,900	\$ 3,847,900	\$ -
	<b>CSO - Current</b>			\$ -
10	CLINTON ST. CONVEYANCE/ CLINTON ST. RTF	\$ 33,233,296	\$ 33,233,296	\$ -
		\$ -	0	\$ -
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	\$ 804,020	\$ 804,020	\$ -
14	HARBOR BROOK CSO ABATEMENT	\$ 11,723,284	\$ 10,844,398	\$ 878,886
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 CONVEYANCES	\$ 2,915,724	\$ 2,915,724	\$ -
19	MIDLAND AVE PHASE II & RTF	\$ 68,911,540	\$ 68,911,540	\$ -
20	MIDLAND AVE PHASE III	\$ 4,789,586	\$ 4,789,586	\$ -
21	MIDLAND AVE MITIGATION COSTS	\$ 2,253,793	\$ 2,253,793	\$ -
22	NEWELL STREET RTF	\$ 473,132	\$ 473,132	\$ -
23	ONONDAGA CREEK FCF	\$ 648,342	\$ 648,342	\$ -
24	SEWER SEPARATION	\$ 18,454,575	\$ 18,454,575	\$ -
25	SIPHON REHABILITATION	\$ 1,026,391	\$ 1,026,391	\$ -
26	TEALL BROOK FCF	\$ 1,235,346	\$ 1,235,346	\$ -
27	WEST ST SEWER SEPARATION	\$ 2,720,572	\$ 2,720,572	\$ -
	<b>OTHER</b>			
28	AMBIENT WATER MONITORING	\$ 13,005,665	\$ 13,005,665	\$ -
29	OXYGENATION DEMO PROJECT	\$ 10,087	\$ 10,087	\$ -
30	SEQRA REGULATORY COMPLIANCE	\$ -	\$ -	\$ -
				\$ -
	<b>TOTAL DOLLARS</b>	\$ 362,618,534	\$ 361,739,648	\$ 878,886

## FOOTNOTES TO THE FINANCIAL STATEMENT

1. Soft Cost Contracts include Engineering contracts and Project Management contracts.
2. Total Payments To Date include contract payments, including SEQR compliance, and non-contract expenses, such as advertising, land acquisition, insurance and debt costs.
3. Forecasted Costs include pending contract expenses, change orders in process and other pending miscellaneous expenses. On projects that have not started construction, Forecasted Costs are based upon current estimates.
4. Total Estimated Cost equals Total Payments To Date and Forecasted Costs.
5. Over(Under) Budget is a comparison to the Total Estimated Cost versus Original Budget.
6. % Complete – calculated on Total Payments To Date as a percentage of the Total Estimated Cost.
7. Hiawatha Blvd. RTF and Interceptor managed by the Army Corps. Of Engineers – 30% County funding.
8. Hiawatha Project Contractors:

Overflow – Marcellus Construction	\$1,893,652.00
Interceptor – Syracuse Constructors	\$ 660,325.00
RTF – C.O.Falter Construction	\$3,598,101.00
9. Maltbie Street FCF costs reflect the purchase of a crane which will benefit all FCF projects.
10. Sewer Separation project is being managed by the Army Corps. of Engineers.
11. SEQR costs are reflected in the individual projects under Total Payments To Date.
12. Original budget figures were based on 1997 dollars.