

I. Project Progress for the Month of April

METRO Projects

- **Aeration System Upgrade**

(ACJ completion date - 7/1/02 - **Complete – January 2000**)

Work completed. Retrofitting a total of eight tanks was completed well ahead of the required ACJ completion milestone. The tanks are all fully operational with the new more energy efficient and effective fine bubble diffuser aeration system. Lower ammonia levels reported in lake with installation of new system.

- **Ammonia Removal/Phosphorous Removal Combined Project**

(ACJ completion date for ammonia full scale - 11/01/03 - on schedule)

(ACJ completion date for phosphorous removal Stage II - 4/01/05 - ahead of schedule)

100% construction documents submitted to DEC and approved

100% construction documents for Contract 2 (site preparation) were submitted to DEC for information and review by April 1, 2001. Documents were approved by DEC and contracts advertised for bid on April 11, 2001. DEC had previously reviewed the 95% documents and made review comments which were incorporated into the final documents.

Contracts to cover the rest of the construction and completion of this project were submitted to DEC and are currently under review.

Pre-bid meetings held

Pre-bid meetings were held on April 18th for the Pile Testing contract and on April 24th for the remaining site preparation contracts which involve the general construction contract, groundwater removal and treatment, and associated electrical work. The bids were opened on April 27th for the pile testing contract and the low bid is currently under in-house review. The remaining three contracts are slated for opening on May 9, 2001.

NiMo finalizes demolition on the site

This month, contractors for NiMo completed demolition of vacant structures on the property to be purchased by the County for the new Ammonia/Phosphorus Removal facilities.

- **Digester Modifications/Chemical Storage/Digester Cleaning (Phase III Improvements)**

(ACJ completion date – 7/1/02 – project ahead of schedule)

Close-out activities

Project close out activities underway. Schedule and action item list prepared.

- **Digital System Improvements**

(ACJ completion date – 7/1/02 – project on schedule)

Installation completed at all facilities

Installation of the new system is now completed at all treatment facilities including Metro, Oak Orchard, Wetzel Road, Baldwinsville, Meadowbrook-Limestone, Ley Creek, Henry Clay and Brewerton. Systemwide testing will be carried out following staff training. Punch list items to be created.

Training for County staff held this month

Training for County staff was held this month in the operation and maintenance of the new computerized system.

- **Odor Control and Residuals Handling**

(ACJ completion date – 7/1/02 – **Complete- December 2000**)

Installation completed

Installation of the covers on the primary clarifiers was the final step in this phase of the odor control program at METRO, which was designed to reduce odors at the headworks of Metro adjacent to Hiawatha Boulevard. Positive comments have been received from the public on a noticeable reduction in odors from the Metro operation as a result of this project.

- **Phosphorous Removal Pilot Project**

(ACJ milestone date for completion of pilot – 4/01/07 - well ahead of schedule)

Final Report in preparation

During the month, meetings were held in-house on preparation of the final report on the results of the advanced phosphorus removal pilot project. The pilot was completed in December 2000. Currently work continues on evaluation and analysis of data compiled during the pilot operation which tested a variety of phosphorus removal technologies.

The County is more than 6 years earlier than is called for in the ACJ in carrying out this pilot project

CSO Projects

- **Clinton Conveyances and Regional Treatment Facility**

(ACJ completion dates – conveyances by 5/1/07 and RTF by 1/1/12 – on schedule)

Activities continue on draft Facility Plan

Activities this month included further investigation of alternative sites for CSO abatement facilities, drafting sections of the facilities plan report, and activities relating to development of an Environmental Information Document. In addition,

work continued on the Phase IA archeological investigation by Hartgen Associates. This document will include a sensitivity analysis for six potential sites. A draft report is anticipated in early May.

The goal of the project is to address the abatement of the ten CSO's to be served by a Clinton Area Facility located near downtown Syracuse and the Armory Square area between Fayette and Adams streets. The contract work currently underway includes preparation of a Facility Plan which will evaluate alternative technologies to address the overflows and alternative sites for any treatment facility. The contract also covers preparation of an Environmental Impact Assessment and conceptual design.

Project meetings

An update meeting was held on April 3 between design engineers and County staff. A revised schedule was drafted.

- **Erie Boulevard Storage System Upgrade**
(ACJ completion date – 7/1/02 – on schedule)

Contract Documents finalized

Construction documents were finalized on this project and given to DEC to meet a April 2, 2001 minor milestone. Documents are under review by DEC. Current County schedule calls for bidding this project in June.

The project involves upgrading an existing large diameter underground storm sewer previously constructed to store combined sewage in storm situations. Following a storm event, the combined flow would be released back to the sewer system for treatment at Metro. The system has experienced operational problems with control gates and is in need of upgrading to function effectively.

- **Franklin Street Floatables Control Facility**
(ACJ completion date – 5/1/00 – **Complete – May 2000**)

Quarterly Report and O&M manual submitted to DEC

On April 30, the County submitted reports to DEC on the operation of both the Burnet FCF and the Butternut FCF which compose the Franklin St. FCF facility. In addition, the County submitted a copy of the Operation and Maintenance Manual which was developed for this facility. The manual is located in the facility's control room and used by operations staff.

This \$4.7 m facility was completed by its ACJ milestone date of May 1, 2000 and is in operation. This is the largest floatables facility currently planned by the County and removes floatable debris from both the Burnet and Butternut trunk sewers to prevent their flow into Onondaga Creek.

- **Harbor Brook Floatables Control Facility**
(ACJ completion date – 7/1/02 – ahead of schedule)

County receives approval of design report from DEC

In a letter dated March 19, 2001, DEC approved the Engineering Design Report for this FCF project. Design work is being completed on this net bag structure. Scope and cost for an amendment to the engineering services' contract to complete final design on this project is currently under review by the County.

The County hopes to implement this project as soon as possible to capture floatables near the mouth of the brook to prevent their release into Onondaga Lake.

Phase IA report submitted to SHPO

County staff compiled a Phase IA (Archeological Sensitivity Investigation) for the area of the Harbor Brook FCF project and submitted it for review and approval to the State OPRHP Office on April 30th. No issues of significance were identified.

- **Harbor Brook CSO Abatement Project**
(ACJ completion date – 7/1/02 – to be revised due to change from in-water project)

Facilities Planning Continues

Design engineers continue working on evaluation of various sites and alternative technologies or combination of technologies for this project. An updated schedule is being compiled on this project. Public participation activities continue to discuss the status of the project with area residents.

The purpose of the design contract is to compile a Facilities Plan, Environmental Impact Assessment and conceptual design for Harbor Brook CSO Abatement. The project is intended to address the 19 CSO's which enter Onondaga Lake via Harbor Brook.

- **Hiawatha Blvd. Regional Treatment Facility**
(ACJ completion date – 7/1/02 – ahead of schedule)

Construction completed

Construction of all major structures of this facility is complete and the major equipment has been installed. Work on punch list items continues. The facility is not yet in operation.

This project is managed by the U.S. Army Corps of Engineers.

- **Kirkpatrick Street Pump Station Upgrade**
(ACJ completion date – 7/1/02 – on schedule)

100% construction documents approved by DEC

100% construction documents were approved by DEC in letter dated 4/19/01.

Bids for five contracts concerning this project were advertised this month. Pre-bid meetings held for potential contractors on April 25 and 27th. Bids to be opened in May.

Other activities to prepare for construction this year

Work with City to finalize details on street reconstruction associated with this project and Intermunicipal Agreement.

- **Maltbie Street Floatables Control Facility**
(ACJ completion date – 5/1/99 – **Complete May 1999**)

Facility Fully Operational

This is the first floatables control facility completed under the Onondaga Lake ACJ program. The County is collecting operational data on this facility which will be helpful in designing and operating other netbag operations that are part of the Lake Improvement Project. Quarterly report on the facility's operation submitted this month to DEC as per requirements.

- **Midland Conveyances and Regional Treatment Facility**
(ACJ completion date – Phase II RTF - 5/01/04 & Phase III Conveyance - 5/01/07)

Phase II Design work continues

Work conducted this month on the next phase of the project included: continued development of a pamphlet on the proposed Neighborhood Redevelopment plan, completed groundwater sampling and analytical testing of samples from test wells and submitted data to DEC for review. In a letter dated May 1, 2001, the DEC gave permission for the groundwater from the two pumping tests to be discharged to the creek. Also continued the hydraulic evaluation of the Bellevue Trunk Sewer connection, and the design of Phase II and III and additional Phase IA archeological research.

The Phase II portion of this project includes the Regional Treatment Facility and about 1000' of pipeline running to the south of the facility to intercept existing overflows.

Other Activities

Final landscaping work was completed in the area of the Phase I pipeline of this project including the planting of nine trees and seeding.

Hartgen developing scope of work for further archeological work (Phase IB).

- **Newell St. Pilot Treatment Facility**
(ACJ completion date for RTF – 7/1/02 – **pilot completed**)

Final Report Update in Preparation

The final report on this pilot project is currently being prepared including responding to review comments from DEC and NYSERDA.

Abatement of the Newell St. CSO is being evaluated under the Midland Phase II and III design contract with EEA.

- **Onondaga Creek Floatables Control Facility**
(ACJ completion date – 7/1/02 – on schedule)

Meeting held on Work Plan with DEC

A meeting was held April 19th to discuss comments on the work plan received from DEC. The County confirmed the comments and discussion in a letter dated May 2, 2001.

The boom would prevent floatables from entering the harbor and the lake.

Under the phased approach, the boom would be installed this year. While preventing floatables from entering the harbor, the County would study the effectiveness of the boom at different angles of installation and stream velocities before implementation as a final project.

Additional engineering design details in development

The County requested further design and construction details on this project from design engineer before expanding the scope of the project to finalize the design and construction of pilot phase.

- **Sewer Separation**
(ACJ completion date – 1/1/12 – on schedule)

Construction Documents for downtown CSO area submitted for review

95% construction documents were received and submitted to the County, Corps, City and DEC staff for review for one particular CSO area (024) in the Clinton/Water St. area. A meeting was held between the officials and design engineers on May 3, 2001 and comments on the plan were discussed. Revisions will be made and plans finalized. The project is slated for construction this summer in coordination with the City's Clinton Square project. Funds are to be received from the Corps of Engineers for the project.

Overall Sewer Separation Design nearing completion

The design for sewer separation projects in the remaining 12 areas (excluding 024) is anticipated to be received by the end of May.

The report on the survey conducted in December 2000 to assess the presence and location of sump pumps and foundation drains in areas in the City that are slated for

sewer separation projects will be submitted to DEC shortly and prior to submission of overall construction documents on this project.

The US Army Corps is directing and funding the design of this project.

- **Siphon Rehabilitation**

(ACJ completion date – 7/1/02 – **Complete – May 1999**)

Work completed May 28, 1999 ahead of schedule.

- **Teall Ave. Floatables Control Facility**

(ACJ completion date – 7/1/02 – on schedule)

Bids received and under review

The advertisement for construction contract bids for this project was published March 26. One addendum was issued on April 12, 2001. A pre-bid meeting for potential bidders was held on April 9th. Bids on the two contracts (general and electrical) were opened on April 23 and are currently under review.

This project involves design of a mechanical screening device to remove floatables from a combined sewer overflow. The facility will be located underground near the intersection of Teall and Mildred Avenues on the City's northeast side.

- **West Street Sewer Separation**

(ACJ completion date – 7/1/02 – **Complete- December 1999**)

This was the first sewer separation project conducted under ACJ and eliminated 3 CSO's on Onondaga Creek by converting them to stormwater discharge only.

Ambient Monitoring Program

- **Summary of Sampling Program**

Tributary sampling

Biweekly tributary sampling was conducted at 11 tributary sites on April 10 and 24. Appropriate notification was provided to DEC and ASLF prior to sampling dates. Special high flow tributary sampling event conducted on April 10, 2001. This completes sampling for three such events this year (2/9,3/22, & 4/10). The County is required to sample a minimum of 5 high flow tributary sampling events each year.

Lake sampling

Lake sampling commenced this month for the 2001 monitoring year.

The South Deep was sampled on 4/11 and 4/30. A double lake sampling (north and south deeps) was conducted on 4/18 and a special sampling of the South Deep profile was conducted on 4/25/01 to assist in monitoring spring lake turnover. Appropriate notification was given to DEC and ASLF.

River Sampling

None conducted this month.

Macroinvertebrate sampling

Analysis underway. Completed sub-sampling on all of the 226 samples.

Fisheries sampling

All sub-sampling completed. Analysis underway.

Macrophytes sampling

Draft macrophyte assessment report based on aerial photos by EcoLogic received on 4/27/01 and currently under in-house review.

• Other Activities

- Year 2001 proposed Ambient Monitoring Program approved by DEC.
- Review comments on Final Monitoring Annual Report for 1999 program received from DEC on April 23, 2001.
- Presentations conducted for local sportmens' and fishing organizations to solicit participants in the Angler Diary program on the Lake. Fifteen persons signed up to participate after a presentation on the program to the Salt City Bass Masters organization on April 5.

II. Additional Activities and Accomplishments

Based on amendment dated April 6, 2001 to the Executive Order #13202 from the President concerning PLA's and federal funding, the County applied for an exemption from the order in letters to EPA and the Corps of Engineers on April 19, 2001.

III. Issues

Ammonia/Phosphorus Removal Project

- The Environmental Information Document on this \$125m project was submitted to the Federal EPA on October 9, 2000 for their review and assessment. Further information has been requested by EPA and supplied by the County. All necessary information is now with EPA and issuance of a Findings Statement is needed as soon as possible.
- This project is on an extremely tight time schedule to meet its required completion milestone and construction must begin this spring. Bids for the site preparation work were advertised in April.
- Although the County has been told that the effective date of the federal grant for this project will be April 20, 2001, the County is concerned that the environmental review is still not complete and EPA has not commenced the required 30 day public comment period.

This is the largest and most costly of the ACJ projects and will bring about the most significant changes to improve the water quality of Onondaga Lake by reducing the amount of ammonia and phosphorus discharged to the lake via METRO effluent.

PLA Issue

- An Executive Order issued by President George W. Bush on February 17, 2001 had potential impacts on the ability of the County to receive federal funds for projects related to Onondaga Lake cleanup which were covered by the Project Labor Agreement entered into by the County with area unions. A great deal of activity took place this month to obtain interpretations on the impacts of the order and how the County should proceed on contracts slated to be put out to bid this spring.

An amendment to the order was issued April 6th which allows for exemptions. On April 19th, the County submitted a request to EPA and the Corps for an exemption for ACJ-PLA projects. No response from either agency has been received to date.

Oxygenation Demonstration

- Discussions are taking place requesting that the project proceed under the direction of the US Army Corps of Engineers. A proposed RFP for work plan development has been compiled by the State, but has not yet been issued.

IV. Contracts

New Contracts

No new contracts to report this month.

Amendments to Existing Contracts

Kirkpatrick St. Pump Station Upgrade

- Contract with EEA amended to cover archeological field work and investigation.
- Contract amendment amount: \$39,980. Executed April 13, 2001.

Ammonia/Phosphorus Removal

- Contract with EEA amended to cover necessary additional design services related to technology procurement, site preparation activities, relocation of the Metro Control Center, and architectural work.
- Contract amendment amount: \$804,215. Executed April 24, 2001.

Change Orders

No change orders were executed this month.

V. Public Participation

Overall Project

- Requests for information received over the telephone, web site and at meetings, continue to be responded to.
- Presentation and informational materials to use in public presentations continue to be developed and used.
- Web site updated and now includes bid information for contractors and MWBE firms.

Midland CSO Abatement Project

- Discussions continue to be held with City Councilors and County Legislators regarding the Midland project and use of additional \$2-3 m County funding commitment and Intermunicipal Agreement.
- Meeting held with Syracuse Housing Authority officials to update them on the status of this project – April 4, 2001.
- Meetings held this month with City officials on Intermunicipal Agreement and property acquisition.

Clinton CSO Abatement Project

- Renderings under developed this month to use in discussions with interested City officials, individuals and other interested parties.

Harbor Brook CSO Abatement Project

- Continue contacts with interested area residents on project – met with representatives of Neighborhood Watch group on April 9.
- Continue to pursue joint project with ESF and ASLF on wetlands project with educational and community tie-ins in retention basin.

Ammonia/Phosphorus Removal Combined Project

- Information on project to be updated on web as construction commences.

Teall FCF Project

- Communications continue with resident closest to project construction and local TNT group.

VI. Legislative Action

Actions taken at April meeting by County Legislature :

- No action items.

Actions taken to April Committees:

- Informational only. No formal actions needed.

Actions to be taken to May Committees:

- Discussion of Intermunicipal Agreement with City re: Midland Project.
- Acquisition of City properties related to the Midland Project.
- Acquisition of properties and easements from the City & NiMo for Erie Boulevard Storage System Project.
- Granting easement to NiMo related to Ammonia/Phosphorus Project.

VII. Funding

Grants

State Bond Act Funds

- **Payments received this month from State Bond Act Funds:**

Aeration – retainage released of \$583,526.26 on April 3, 2001 for total of \$5,834,381.75.

- **Requests for reimbursements were submitted this month for the following projects:**

Midland RTF & Conveyances – request #3 for \$27,399.73 on 4/23/01

Teall FCF – request #1 for \$123,169.94 on 4/09/01

Phase III Improvements – request #2 for \$599,368.91 on 4/23/01

Onondaga Creek FCF – request #1 for \$160,186.25 on 4/24/01

Harbor Brook FCF – request #1 for \$98,256.59 on 4/24/01

Total received to date in State Bond Act funds - \$14,849,599.

Federal EPA Funds

- **Payments received this month from Federal EPA Funds:**

Midland Phase I Request – total received \$23,050 on 4/24/01 for aggregate total of \$1,355,633.

- **Requests for reimbursements were submitted this month for the following projects:**

None to report this month.

Total received to date in Federal EPA funds - \$1,355,633.

Loans

- **The following reimbursement payments were received from EFC during the month of April:**

Franklin St. FCF – \$191,391.40 (request 11) received on 4/6/01 bringing the aggregate reimbursement to \$4,481,407.02.

West St. Sewer Separation - \$113,414.57 (request #8) received on 4/6/01/01 bringing the aggregate reimbursement to \$2,474,852.47.

Phase III Digester - \$19,974.30 (request #10) on 4/6/01 bringing aggregate reimbursement to \$4,647,810.53.

- **Closure on Loans:**
None to Report.
- **Short Term Loan applications submitted this month for:**
None to report.
- **Reimbursement Requests Filed:**
Request #11 for Phase III Digester of \$194,382.34 on 4/23/01
- **Total Reimbursement monies received to date through EFC Loans for the funded ACJ projects: \$21,531,570 (short term), \$6,181,767 (long term)**

VIII. Upcoming

Meetings:

- **ACJ Quarterly All-parties Meeting – May 23, 2001 – Syracuse**

ACJ Milestone Dates:

- **January 1, 2001 – Submittal of construction documents for Harbor Brook FCF – revision approved. New milestone date May 30, 2001.**
- **April 1, 2001 – Submittal of engineering report and plans for ammonia removal – MET. (plus construction documents for Stage II Phosphorus removal)**
- **April 2, 2001 – Submittal of Construction Documents for Erie Boulevard Storage System Upgrade – MET.**

Chronology of Project Construction Starts

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

¹ Lake Oxygenation project being delayed.

Onondaga County							
Department of Drainage & Sanitation							
Lake Improvement Project Office							
Period Ending: April 30, 2001							
Index: 480095 731010 001							
					2001	2001 YTD	
Description		2000 Actual	2001 Adopted	2001 BAM	Encumbrances	Cash Expenses	Balance
Employee Salaries		\$363,653.39	\$454,641.00	\$454,603.40	\$0.00	\$134,659.69	\$319,943.71
Overtime Wages		\$94.00	\$0.00	\$37.60	\$0.00	\$38.82	(\$1.22)
Other Wages		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Employee Benefits		\$43,586.64	\$155,260.00	\$155,260.00	\$0.00	\$25,379.84	\$129,880.16
Furniture, Equipment		\$4,725.80	\$6,500.00	\$6,500.00	\$0.00	\$369.00	\$6,131.00
Supplies		\$2,540.88	\$3,500.00	\$3,500.00	\$269.00	\$0.00	\$3,231.00
Travel/Training		\$2,414.75	\$5,500.00	\$5,500.00	\$0.00	\$655.25	\$4,844.75
Fees for Services ⁽¹⁾		\$373,869.44	\$430,000.00	\$430,000.00	\$430,000.00	\$0.00	\$0.00
All Other Expenses		\$63,271.99	\$152,000.00	\$152,000.00	\$67,343.75	\$24,195.29	\$60,460.96
Maintenance/Rents		\$2,406.22	\$3,200.00	\$3,200.00	\$1,000.00	\$0.00	\$2,200.00
All Other Indept.		\$1,959.13	\$1,595.00	\$1,595.00	\$0.00	\$0.00	\$1,595.00
IT Interdept.		\$350.66	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$2,000.00
Facilities Charges		\$1,795.28	\$2,200.00	\$2,200.00	\$0.00	\$0.00	\$2,200.00
Law Charges		\$71,460.14	\$60,000.00	\$60,000.00	\$0.00	\$0.00	\$60,000.00
Purchasing Charges		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Insurance Charges		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Contingency		\$0.00	\$170,000.00	\$170,000.00	\$0.00	\$0.00	\$170,000.00
		\$932,128.32	\$1,446,396.00	\$1,446,396.00	\$498,612.75	\$185,297.89	\$762,485.36
<i>(1) Professional services covered in this category which are specific to ACJ projects are charged back to the projects where applicable.</i>							

**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)	\$ 185,461.51
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

U.S. Filter – Kruger Products, Inc.	\$8,250,000.00*
U.S. Filter – Kruger Products, Inc.	\$3,645,905.00**

* Only \$260,500.00 authorized at this time.

** Only \$190,860.00 authorized at this time.

**CONTRACTORS for
CONSTRUCTION PROJECTS
Metro Treatment Plant**

FULL SCALE AMMONIA/PHOSPHORUS REMOVAL - FIELD OFFICE

James & Son Construction	\$ 27,000.00
Resun Leasing, Inc.	\$ 106,942.00
Ridley Electric Co.	\$ 15,700.00
Burns Brothers	\$ 15,915.00

CSOs

MALTBIE STREET FCF

Over & Under Piping	\$ 152,418.00
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FRANKLIN STREET FCF

Maxim Construction (General)	\$3,568,029.43
Burns Bros. (Mechanical)	\$ 174,350.00
Scriba Electric (Electrical)	\$ 134,400.00
Burns Bros. (Plumbing)	\$ 28,400.00

MIDLAND AVENUE CONVEYANCES

Marcellus Construction (General)	\$2,060,719.09
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SIPHON REHABILITATION

Insituform Metropolitan	\$1,025,551.00
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WEST STREET AREA SEWER SEPARATION

Maxim Construction (General)	\$2,467,488.50
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FINANCIAL TRACKING SUMMARY: FEDERAL & STATE GRANTS/LOANS APPROVED & RECEIVED									
						SHORT-TERM	SHORT-TERM	LONG-TERM	LONG-TERM
	PROJECT	NYS BOND ACT	NYS BOND ACT	FED EPA	FED EPA	EFC LOAN	EFC LOAN	EFC LOAN	EFC LOAN
PROJECT NAME	BUDGET	GRANT APP'D	GRANT REC'D	GRANT APP'D	GRANT REC'D	APP'D	REC'D	APP'D	REC'D
METRO - CURRENT									
AERATION SYSTEM UPGRADE	\$8,500,000	\$7,666,687	\$5,834,382			\$7,365,000	\$6,864,003	\$1,049,185	\$14,613
AMMONIA REMOVAL DEMO	\$2,000,000	\$1,224,000	\$1,030,598						
DIGESTER MOD/CHEMICAL STORAGE	\$5,600,000	\$4,380,162	\$3,104,909			\$4,938,419	\$4,647,810		
DIGITAL SYSTEM IMPROVEMENTS	\$2,900,000	\$1,563,317	\$1,406,985			\$1,849,000	\$1,849,000		
MISCELLANEOUS IMPROVEMENTS	\$1,400,000								
ODOR CONTROL	\$7,700,000							\$7,413,199	\$6,127,447
AMMONIA REMOVAL FULL SCALE/ STAGE II PHOSPHORUS REMOVAL PHOSPHORUS REMOVAL PILOT	\$190,000,000 \$5,000,000								
CSO - CURRENT									
ERIE BLVD SEW SEP STORAGE	\$3,000,000	\$1,700,000							
FRANKLIN ST FCF	\$3,200,000	\$2,724,000	\$ 2,035,770			\$4,726,762	\$4,481,407		
HARBOR BROOK FCF	\$250,000	\$213,400							
HIAWATHA INTERCEPTOR/RTF ^(a)	\$8,000,000							\$2,710,169	\$37,749
KIRKPATRICK ST PUMP STATION	\$5,642,000	\$4,900,000							
MALTBIE ST FCF	\$250,000	\$212,500	\$211,097			\$212,000	\$188,106		
MIDLAND AVE CONVEYANCE	\$2,000,000				\$ 1,355,633				
MIDLAND AVE PHASE II & RTF	\$45,000,000	\$15,931,650		\$ 38,789,000					
MIDLAND AVE PHASE III	\$28,000,000								
NEWELL ST FCF ^(b)	\$1,310,000	\$476,000	\$355,090						
ONONDAGA CREEK FCF	\$3,000,000	\$2,550,000							
SEWER SEPARATION ^(a)	\$7,704,000								
SIPHON REHABILITATION	\$1,230,000	\$1,045,500	\$870,768			\$1,435,500	\$1,026,391	\$140,623	\$1,958
TEALL BROOK FCF	\$175,000	\$147,200							
WEST ST SEWER SEPARATION	\$1,000,000	\$2,299,460				\$3,059,716	\$2,474,852		
CSO - FUTURE									
CLINTON ST CONVEYANCE & RTF	\$31,245,000								
HARBOR BROOK IN-WATER	\$5,444,000								
OTHER									
AMBIENT WATER MONITORING	\$8,000,000								
OXYGENATION DEMO	\$2,400,000			\$2,300,000					
SEQR REGULATORY	\$50,000								
TOTAL DOLLARS	\$ 380,000,000	\$47,033,876	\$14,849,599	\$41,089,000	\$1,355,633	\$23,586,397	\$21,531,570	\$11,313,176	\$6,181,767
(a) NOTE: PROJECT IS US ARMY CORPS OF ENGINEERS PROJECT									
(b) NOTE: PROJECT RECEIVED \$40,500 COST SHARE GRANT FROM (NYSERDA)									

FINANCIAL TRACKING SUMMARY:

FEDERAL & STATE GRANTS/LOANS APPLIED FOR, NOT YET APPROVED

PROJECT NAME	BUDGET	EFC SHORT TERM	EFC LONG TERM	E.P.A.	NYS BOND ACT
METRO - CURRENT					
AERATION SYSTEM UPGRADE	\$8,500,000				
AMMONIA REMOVAL DEMO	\$2,000,000				
DIGESTER MOD/CHEMICAL STORAGE	\$5,600,000				
DIGITAL SYSTEM IMPROVEMENTS	\$2,900,000				
MISCELLANEOUS IMPROVEMENTS	\$1,400,000				
ODOR CONTROL ^(a)	\$7,700,000				
AMMONIA REMOVAL FULL SCALE/ STAGE II PHOSPHORUS REMOVAL	\$190,000,000	\$53,300,000		\$30,379,700	\$5,930,466
PHOSPHORUS REMOVAL PILOT	\$5,000,000				
CSO - CURRENT					
ERIE BLVD SEW SEP STORAGE	\$3,000,000	\$1,982,000			
FRANKLIN ST FCF	\$3,200,000				
HARBOR BROOK FCF	\$250,000				
HIAWATHA INTERCEPTOR/RTF ^(f)	\$8,000,000				
KIRKPATRICK ST PUMP STATION	\$5,642,000	\$8,015,000			
MALTBIE ST FCF	\$250,000				
MIDLAND AVE CONVEYANCE	\$2,000,000				
MIDLAND AVE PHASE II & RTF	\$45,000,000	\$22,620,000			\$9,069,534
MIDLAND AVE PHASE III	\$28,000,000				
NEWELL ST FCF ^(e)	\$1,310,000				
ONONDAGA CREEK FCF	\$3,000,000				
SEWER SEPARATION ^(f)	\$7,704,000				
SIPHON REHABILITATION	\$1,230,000				
TEALL BROOK FCF	\$175,000	\$1,375,000			
WEST ST SEWER SEPARATION	\$1,000,000				
CSO - FUTURE					
CLINTON ST CONVEYANCE & RTF	\$31,245,000				
HARBOR BROOK IN-WATER	\$5,444,000				
OTHER					
AMBIENT WATER MONITORING	\$8,000,000				
OXYGENATION DEMO	\$2,400,000				
SEQR REGULATORY	\$50,000				
TOTAL DOLLARS	\$ 380,000,000	\$ 87,292,000	\$0	\$ 30,379,700	\$ 15,000,000

Lake Improvement Project Status Report for the period ending 04/30/01

	<u>Project Title</u>	<u>ACJ START DATE</u>	<u>ACJ FINISH DATE</u>	<u>COUNTY FINISH DATE</u>	<u>ORIGINAL BUDGET</u>	<u>AUTHORIZED BUDGET</u>	<u>ENGINEER</u>
	METRO - Current						
1	AERATION SYSTEM UPGRADE		7/1/02	1/3/00	\$ 8,500,000	\$ 8,755,000	EEA
2	AMMON. REMOVAL DEMONSTRATION	11/1/98	3/1/00	12/31/99	\$ 2,000,000	\$ 1,350,000	EEA
3	DIGESTER MOD/CHEMICAL STORAGE		7/1/02	10/31/00	\$ 5,600,000	\$ 5,600,000	C&S
4	DIGITAL SYSTEMS IMPROVEMENTS		7/1/02	6/31/01	\$ 2,900,000	\$ 3,600,000	Systems Integrated
5	MISCEL. IMPROVEMENTS		7/1/02	1/31/99	\$ 1,400,000	\$ 1,400,000	
6	ODOR CONTROL		7/1/02	12/20/00	\$ 7,700,000	\$ 8,416,000	OBG
7	AMMONIA REMOVAL FULL SCALE/ STAGE II PHOSPHORUS REMOVAL	10/1/01 10/1/03	11/1/03 4/1/05	11/1/03 11/1/03	\$ 125,000,000 \$ 65,000,000	\$ 122,500,000	EEA
8	PHOSPHORUS REMOVAL - PILOT	4/1/06	4/1/07	12/31/00	\$ 5,000,000	\$ 2,500,000	EEA
	CSO - Current						
9	FRANKLIN ST. FCF	4/26/99	5/1/00	5/1/00	\$ 3,200,000	\$ 4,850,000	EEA
10	HIAWATHA INTERCEPTOR/RTF ⁽⁷⁾		7/1/02	12/31/00	\$ 8,000,000	\$ 6,065,420	EEA/Parsons
11	KIRKPATRICK ST. PUMP STATION		7/1/02	3/9/02	\$ 5,641,860	\$ 5,650,000	EEA
12	MALTBIE STREET FCF ⁽⁹⁾	8/31/98	7/1/02	4/26/99	\$ 250,000	\$ 250,000	EEA
13	TEALL BROOK FCF		7/1/02	8/27/02	\$ 175,000	\$ 1,375,000	EEA
14	HARBOR BROOK FCF		7/1/02	9/9/01	\$ 250,000	\$ 250,000	EEA
15	MIDLAND AVE. CONVEYANCES	5/1/99	5/1/04	12/06/00	\$ 2,000,000	\$ 2,000,000	EEA
16	MIDLAND AVE PHASE II & RTF	5/1/04	5/1/07	04/18/04	\$ 45,000,000	\$ 45,000,000	EEA
17	MIDLAND AVE PHASE III	5/1/04	5/1/07	07/27/06	\$ 28,000,000	\$ 28,000,000	EEA
18	NEWELL STREET RTF		7/1/02	03/11/02	\$ 1,310,000	\$ 900,000	Moffa & Assoc.
19	ONONDAGA CREEK FCF		7/1/02	12/19/01	\$ 3,000,000	\$ 1,000,000	Parsons
20	SEWER SEPARATION ⁽¹⁰⁾		1/1/12	01/01/12	\$ 7,703,880	\$ 15,484,286	OBG
21	SIPHON REHABILITATION		7/1/02	06/11/99	\$ 1,230,000	\$ 1,200,000	C&S
22	WEST ST SEWER SEPARATION	5/1/99		01/14/00	\$ 1,000,000	\$ 3,500,000	CHA
	CSO - Future						
23	CLINTON ST. CONVEYANCE/ CLINTON ST. RTF	5/1/03 5/1/07	5/1/07 1/1/12	10/28/06 12/28/10	\$ 15,987,190 \$ 15,258,090	\$ 31,500,000	EEA
24	ERIE BLVD STORAGE SYSTEM		7/1/02	04/13/02	\$ 3,000,000	\$ 3,000,000	Barton & Loguidice
25	HARBOR BROOK IN WATER SYSTEM		7/1/02	07/01/02	\$ 5,443,980	\$ 5,500,000	Moffa & Assoc.
	OTHER						
26	AMBIENT WATER MONITORING		7/1/02	06/30/02	\$ 8,000,000		
27	OXYGENATION DEMO PROJECT	5/1/99	4/1/03	02/25/04	\$ 2,400,000	\$ 500,000	
28	SEQRA REGULATORY COMPLIANCE ⁽¹¹⁾				\$ 50,000	\$ 50,000	Parsons
	TOTAL DOLLARS ⁽¹²⁾				\$ 380,000,000	\$ 310,195,706	
	Footnotes are found on reverse of page 2						

Lake Improvement Project Status Report for the period ending 04/30/01

	<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>% COMPLETE⁽⁶⁾</u>
1	\$ 359,680	\$ 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	\$ 777,739	\$ 4,333,897	\$ 4,941,504	\$ 114,235	\$ 5,055,739	\$ (544,261)	97.74%
4	\$ 447,052	\$ 2,974,514	\$ 2,980,409	\$ 538,316	\$ 3,518,725	\$ 618,725	84.70%
5			\$ 1,400,000	\$ -	\$ 1,400,000	\$ -	100.00%
6	\$ 1,004,446	\$ 6,956,868	\$ 8,150,979	\$ 159,964	\$ 8,310,943	\$ 610,943	98.08%
7	\$ 9,340,099	\$ 12,061,462	\$ 5,138,198	\$ 117,361,802	\$ 122,500,000	\$ (67,500,000)	4.19%
8	\$ 1,909,559		\$ 1,823,048	\$ 236,511	\$ 2,059,559	\$ (2,940,441)	88.52%
9	\$ 850,316	\$ 3,905,179	\$ 4,546,280	\$ 287,523	\$ 4,833,803	\$ 1,633,803	94.05%
10	\$ 1,809,143	\$ 5,904,603 ⁽⁸⁾	\$ 6,059,145	\$ 2,940,855	\$ 9,000,000	\$ 1,000,000	67.32%
11	\$ 1,166,628		\$ 787,953	\$ 7,227,047	\$ 8,015,000	\$ 2,373,140	9.83%
12	\$ 133,155	\$ 241,248	\$ 362,028	\$ -	\$ 362,028	\$ 112,028	100.00%
13	\$ 334,284		\$ 168,383	\$ 1,206,617	\$ 1,375,000	\$ 1,200,000	12.25%
14	\$ 139,914		\$ 175,744	\$ 324,256	\$ 500,000	\$ 250,000	35.15%
15	\$ 1,163,693	\$ 2,060,719	\$ 2,820,229	\$ 324,987	\$ 3,145,216	\$ 1,145,216	89.67%
16	\$ 4,311,265		\$ 33,090	\$ 44,966,910	\$ 45,000,000		
17			\$ -	\$ 28,000,000	\$ 28,000,000		
18	\$ 498,904		\$ 464,169	\$ -	\$ 464,169	\$ (845,831)	100.00%
19	\$ 270,177		\$ 210,324	\$ 789,676	\$ 1,000,000	\$ (2,000,000)	21.03%
20	\$ 504,286		\$ 484,286	\$ 14,515,714	\$ 15,000,000	\$ 7,296,120	3.23%
21	\$ 1,015	\$ 1,025,551	\$ 1,026,391	\$ -	\$ 1,026,391	\$ (203,609)	100.00%
22	\$ 375,842	\$ 2,467,489	\$ 2,711,561	\$ -	\$ 2,711,561	\$ 1,711,561	100.00%
23	\$ 609,204		\$ 279,704	\$ 31,220,296	\$ 31,500,000	\$ 254,720	0.89%
24	\$ 658,198	\$ -	\$ 232,744	\$ 967,256	\$ 1,200,000	\$ (1,800,000)	19.40%
25	\$ 844,933	\$ -	\$ 414,379	\$ 49,585,621	\$ 50,000,000	\$ 44,556,020	0.83%
26			\$ -	\$ 8,000,000	\$ 8,000,000	\$ -	0.00%
27	\$ 10,238		\$ 10,087	\$ 2,389,913	\$ 2,400,000	\$ -	0.42%
28	\$ 165,961						
	\$ 29,032,587	\$ 48,404,640	\$ 53,492,937	\$ 311,157,499	\$ 364,650,436	\$ (15,299,564)	

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	\$1,646,177.41
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. In the event that future compliance determinations require the construction of additional filtering, the cost of the overall project could be expected to increase by an estimated \$65 million.