



APPROVED
March 23, 2016

Regular Meeting Minutes
Date: February 24, 2016

Members Attending: H. Stewart, T. Anderson, D. Kriewall, D. LeFeber, F. Miller, S. Beardsley

Excused absent: P. Brooks

Others Attending: C. VanHorne, R. Lewis, E. Wies

Operations Report: C. VanHorne reviewed the Operations Report (on file with Secretary). The following actions were taken:

Sewer TV Inspection System- The Board reviewed the recommendation letter from Clark Patterson Lee (on file with the Secretary).

RESOLUTION 2016 – 04 AWARDING BID FOR PURCHASE OF SEWER TV INSPECTION SYSTEM

WHEREAS, after proper legal advertisement for bids for Sewer TV Inspection System, 1 bid was received, then opened on January 20, 2016, and

WHEREAS, the budget for the Sewer TV Inspection System is \$80,000, now, therefore be it

RESOLVED, the bid of Joe Johnson Equipment, Inc. for Sewer TV Inspection System in an amount not to exceed \$71,205.00 be and hereby accepted as the lowest responsible bid, and, be it further

RESOLVED, that the Executive Director of the Livingston County Water & Sewer Authority is hereby authorized to sign a contract with Joe Johnson Equipment, Inc.

Motion: S. Beardsley moved and D. Kriewall seconded to approve resolution 2016-04 Awarding Bid for Purchase of Sewer TV Inspection System. Carried unanimously.

Capital Report – C. VanHorne reviewed the capital report (on file with Secretary).

31085 - DOCCS WSP – C. VanHorne reviewed the memo and attachments with the Board (on file with the Secretary).

E. Wies provided an updated schedule to the Board (on file with the Secretary).

T. Baker entered the meeting.

E. Wies distributed a table and map with different tank sites on it (on file with the Secretary). The Board reviewed the information presented and the Board consensus was to work with the best site owner and see if an agreement could be reached on the purchase of property.

E. Wies reviewed the budget with the Board, noting changes from the original budget.

E. Wies reviewed the SEQRA documents with the Board (on file with the Secretary) and the Board made the following resolution:

RESOLUTION 2016 – 05 SEQRA NOTICE DETERMINATION OF SIGNIFICANCE FOR THE DEPARTMENT OF CORRECTION AND COMMUNITY SERVICES (DOCCS) WATER SUPPLY PROJECT

WHEREAS, the LCWSA Board has proposed a water supply project for the DOCCS Groveland Correctional Facility, which will include improvements to existing infrastructure in the Town of Livonia, new main tank, pump station, and appurtenances including property acquisitions and easements in the Towns of Conesus and Groveland, and additional main extensions and residential connections in the vicinity of the new main.

WHEREAS, in accordance with the provisions of 6 NYCRR Part 617 (SEQRA), the LCWSA Board adopted a resolution on August 26, 2015 declaring its intent to act as Lead Agency for the Proposed Action and circulated said intent to all Involved Agencies; and

WHEREAS, the LCWSA Board adopted a resolution on October 28, 2015 declaring itself as Lead Agency for the Proposed Action. Now therefore be it

RESOLVED, that based upon examination of the Environmental Assessment Form (EAF), its own independent analysis of the Proposed Action, and comparison with the criteria for determining significance under 6 NYCRR 617.7, the LCWSA Board finds that the Proposed Action will not have a significant environmental impact and hereby issues a Negative Declaration; and be it further

RESOLVED that this determination is based on the facts and conclusions as noted in the attached EAF.

Motion: T. Anderson moved and D. Kriewall seconded to approve resolution 2016 – 05 SEQRA Notice Determination of Significance for the Department of Correction and Community Services (DOCCS) Water Supply Project. Carried unanimously.

C. VanHorne reviewed the memo regarding Farm upsizing (on file with the Secretary). The Board consensus was that if not all farms want to participate, the costs should be distributed to the remaining.

31043- SCADA and Control system upgrades - C. VanHorne described the information on the change order. The Board made the following resolution:

RESOLUTION 2016 – 06 APPROVING CHANGE ORDER FOR OPTIMATIONS

RESOLVED, that the LCWSA Board approves a Change Order for Optimations in an amount not to exceed \$4,657.55, and further be it

RESOLVED, that the Board authorizes the Executive Director to sign the Change Order, and be it further

RESOLVED, that the Board authorizes the Principal Account clerk to increase the project budget for project 31043 by \$4700.00.

Motion: D. Kriewall moved and T. Anderson seconded to approve resolution 2016-06 Approving Change Order for Optimations. Carried unanimously.

T. Baker departs.

31080- Collection systems Inflow and Infiltration repairs - C. VanHorne reviewed the memo sent to the Board (on file with Secretary). The following actions were taken:

RESOLUTION 2016 - 07 APPROVING PROPOSAL FROM ENGINEERING SERVICES – 2016 COLLECTION SYSTEM REPAIRS – CLARK PATTERSON LEE (CPL)

RESOLVED, the LCWSA Board approves the proposal from CPL (on file with the Secretary) in an amount not to exceed \$24,500.

Motion: S. Beardsley moved and F. Miller seconded to approve resolution 2016-07 Approving Proposal from Engineering Services – 2016 Collection System Repairs – Clark Patterson Lee (CPL). Carried unanimously.

31108- Early warning system - E. Wies distributed a recommendation letter for the installation of the manhole level sensors and rainfall gauges (on files with the Secretary). One proposal was received.

Motion: F. Miller moved and S. Beardsley seconded to authorize the Executive Director to sign the agreement with Sergi Construction, Inc. for the installation of the manhole level sensors and rainfall gauges in an amount of \$18,225. Carried unanimously.

10 year capital plan – C. VanHorne reviewed the 10-year capital plan with the Board (on file with the Secretary). The consensus of the Board was if anyone had any comments to provide them to C. VanHorne as soon as possible.

Lakeville treatment plant upgrades – C. VanHorne reviewed the memo (on file with the Secretary). E. Wies answered a series of questions provided by D. LeFeber with the Board (on file with the secretary). D. LeFeber stated that he would like the LCWSA to continue to look for opportunities to possibly consolidate with the Village of Avon.

RESOLUTION 2016 – 08 AUTHORIZING THE ISSUANCE OF THE AUTHORITY’S SYSTEM REVENUE NOTES, 2016 (EFC) AND THE APPROVAL AND EXECUTION OF RELATED DOCUMENTS
(resolution on file with secretary)

Motion: T. Anderson moved and S. Beardsley seconded to approve resolution 2016 – 08 Authorizing the Issuance of the Authority’s System Revenue Notes, 2016 (EFC) and the Approval and Execution of Related Documents. Carried unanimously.

RESOLUTION 2016 – 09 SIXTH SUPPLEMENTAL RESOLUTION AUTHORIZING \$5,650,000 E.F.C. CLEAN WATER FACILITY NOTE – 2016
(resolution on file with secretary)

Motion: F. Miller moved and D. LeFeber seconded to approve resolution 2016 - 09 Sixth Supplemental Resolution Authorizing \$5,650,000 E.F.C. Clean Water Facility Note – 2016. Carried unanimously.

Solar City – C. VanHorne thanked the Board for their e-mail responses to the letter from the LCWSA Attorney and requested that the following resolution be authorized.

RESOLUTION 2016 – 10 AUTHORIZING EXECUTION OF SOLARCITY POWER PURCHASE AGREEMENT AND PERFORMANCE GUARANTEE AGREEMENT

WHEREAS, Resolution # 2016 –01 Authorized the execution of the above referenced agreements upon the successful completion of SEQRA and
WHEREAS, after discussion and due diligence with funding agencies the LCWSA Attorney issued a statement confirming that the agencies approved signature of the agreements prior to the completion of SEQRA, now therefore be it
RESOLVED that the Board authorized the Executive Director to sign the agreement prior to the Board Meeting to expedite the project.

Motion: D. LeFeber moved and T. Anderson seconded to approve resolution 2016 – 10 Authorizing Execution of SolarCity Power Purchase Agreement and Performance Guarantee Agreement. Carried unanimously.

Annual Report – The Board reviewed the Annual report for operations and gave no comments. (on file with the Secretary) C. VanHorne reminded the Board that the audited Financial Statements will be reviewed with the Bonadio in the March meeting.

Conflict of Interest - C. VanHorne reviewed the memo (on file with the Secretary). A final review of the Code of Ethics and Disclosure law cover most of the points in the guidance document given from the ABO. Consolidation of those two documents and addition of examples of conflicts of interest suggested by the ABO might be prudent in the future.

Internship – C. VanHorne reviewed the memo with the Board (on file with the secretary). T. Anderson suggested that the concept be passed by Personnel before implementing the process.

Financial Report – R. Lewis reviewed the financial report (on file with the Secretary).

Motion: D. Kriewall moved and F. Miller seconded to approve the Financial report as presented. Carried unanimously.

Bills – Motion: T. Anderson moved and D. Kriewall seconded to approve payment of Operating expenditures not to exceed \$142,712.36, Capital Projects in an amount not to exceed \$113,450.94, and Grant expenditure not to exceed \$4,350.00. Carried unanimously.

Motion: T. Anderson moved and S. Beardsley seconded to approve payment of Commodities in an amount not to exceed \$27,014.24, Utilities in an amount not to exceed \$29,904.69, Projects in an amount not to exceed \$17,310.25, and miscellaneous expenditures in an amount not to exceed \$30,507.75. Carried unanimously.

Minutes: Annual Meeting minutes dated January 13, 2016:

Motion: T. Anderson moved and S. Beardsley seconded to appoint D. LeFeber to the Governance committee. Carried unanimously.

Motion: F. Miller moved and S. Beardsley seconded to approve annual board meeting minutes dated January 13, 2016. Carried unanimously.

Regular meeting minutes – dated January 13, 2016

Motion: F. Miller moved and D. Kriewall seconded to approve regular board minutes dated January 13, 2016. Carried unanimously.

Communications – Solar City article

Adjourn: Motion: T. Anderson moved and S. Beardsley seconded to adjourn the board meeting. Carried unanimously.

OPERATIONS REPORT

Water and Sewer Work Program 2016	
Customer work orders	25 workorders completed - up 8 from last month
UFPO	23 stakeouts completed - down 32 from last month
Sampling & testing	Surveillance samples for TTHM have been coming back good. Staff flushed and took the first quarter samples.
Generator Maintenance	Staff has been changing antifreeze and block heaters at stations that came up for replacement.
Electrical Maintenance	RFP for electrical maintenance is due February 26.
PM Maintenance	Completed for the month
Calibration	The sewer flow meter at the Village of Livonia Community park has been calibrated.
Generator Battery replacement	Staff is working on batteries that have come up for replacement.
Generator antifreeze	Staff has been working on antifreeze replacement.
Cathodic protection maintenance	The cathodic protection on the underground tank at the Lakeville plant and the tanks at the Groveland Station plant are scheduled to be tested this month.
Water Work Program	
Water Main and Service repair	Staff repaired a leak on West Lake Rd. Water usage has gone back to normal.
Water inspections	Staff completed 6 water inspections.
Hydrant repair or replacement	Staff replaced 2 hydrants in South Livonia, and repaired two hydrants in the Lakeville district.
Curb box repair	Staff replaced 2 curb boxes in the Lakeville district.
Water station repair	Drive unit at the ARS tank site pump station was replaced by Colacino Electric.
Meter reading	Staff completed meter reading in the areas that we read this quarter.
Reduced Pressure Zone RPZ testing	Staff has been working with the office staff on assisting people getting their RPZ tested.
RFPs	The RFP for water and sewer repairs and installation has been sent out, with results due the beginning of March.
Sewer Work Program	
Sewer camera	The bid went out for replacement of the sewer camera - 6 different vendors received bid specs. 1 vendor submitted on the camera - the bid was for \$71,205.00. Attached is the Engineer's recommendation and resolution.
Changing oil in pumps	Staff has been changing oil pumps that came due for 2016.
Batteries and Walchem maintenance	Staff performed maintenance and replaced the batteries in the Walchem units.
Gauging stations and shimming pumps	Staff is working on the stations that are due for gauging and shimming.
Overflows	Pleasant Street wet well overflowed due to a hole in the air line. Air line was replaced.
Station Maintenance	Staff replaced heater motor at the Shaker pump station in Mt Morris.
Lakeville Plant	
Yard	Bid for removal of scrap metal was sent out - 2 bids were received for \$102 and \$109.39. It was awarded to Carrier Salvage in Sterling, NY.

OPERATIONS REPORT

Shop/ entrance chamber	The screen-bagger unit got jammed by 2 lacrosse balls that damaged the mechanical seal and the drive shaft assembly - parts are supposed to be in later this week and being installed next week.
Groveland Plant	
Sludge removal	Bagger unit is working well. 3 bags of sludge are being brought back per week.
Personnel	
Training	Staff had annual training on Lock-out/Tag-out, Whistleblower, Red Flag, First Aid Bloodborne Pathogens, along with training on the new 6" trash pump.



January 27, 2016

RECEIVED JAN 28 2016

Catherine VanHorne, Executive Director
Livingston County Water & Sewer Authority
1997 D'Angelo Drive
Lakeville, NY 14480

**RE: LIVINGSTON COUNTY WATER AND SEWER AUTHORITY
SEWER TV INSPECTION SYSTEM**

Dear Cathy:

We have completed our review of the bids received for the above referenced project. The bid summary is shown in the table below.

Bidder	Base Bid
Joe Johnson Equipment, Inc.	\$71,205.00

Based on our review of the bids, we offer the following for consideration:

1. One (1) bidder submitted a bid on the sewer TV inspection system, which included the remote controlled camera, control device, and integration into the existing camera trailer system.
2. The bids were opened on January 20, 2016 at 2:00 p.m. and are binding for 45 days.

The bidding documents were based on the equipment from Joe Johnson Equipment, Inc., but did permit other companies to submit other manufactures provided they met the "intent" of the equipment specified.

Based on the above, it is our recommendation that the Authority award the contract to Joe Johnson Equipment, Inc for the total price of \$71,205.00.

If you have any questions or require any additional information, please contact me.

Very truly yours,

Clark Patterson Lee

Eric C. Wies, P.E.
Principal Associate

CAPITAL PROJECTS REPORT - February outline	
31085 – DOCCS WSP	
2/24/2016	see attached
31089,31090, 31040 – Contract #3 – Main pump, electrical and room improvements	
2/24/2016	Colacino Industries has provided the Design and Assembly specifications for the main pump control panel. Eric and Mark are attending a tour of a plant in Canandagua that has a similar panel designed by Colacino Industries.
31043- SCADA and Control System upgrade –	
2/24/2016	Optimations is requesting a change order to the control upgrades for the Groveland Station area in an amount of \$4,657.55 - this includes an additional 30 hours of programming time to write logic to the Omron PLC to establish communication with the amp network, poll 8 motor current sensors, and accept the reply from the device. Also included in the change order is the purchase and installation of an Omron Ethernet module to handle the traffic load. Resolution Approving Change Order for Optimations: Resolved, that the LCWSA Board approves a Change Order for Optimations in an amount not to exceed \$4,657.55 and further be it Resolved, that the Board authorizes the Executive Director to sign the Change Order and be it further Resolved, that the Board authorizes the Principal Account clerk to increase the project budget for project 31043 by \$4700.00
31080 Collection System - Inflow and Infiltration repairs	
2/24/2016	See Attached information
31103 Alternate Water Supply projects - DOCCS	This project is established for the potential mini extensions of the DOCCS WSP project
2/24/2016	Second letter was sent to the petitioner group describing our activity with Rural Development. Rural Development has asked some questions regarding our bonding ability and those questions are being responded to by Bond Council - Tom Myers of Orrick.
31108 - Early Warning system	This project will include two contracts - initially, there will be Monitoring equipment for the Village of Livonia sewer meter and Trailer mounted pump
2/24/2016	Proposals are being requested for the installation of communications monitors for two manholes and rain gauges. Proposals are due on February 16th.
31110 Energy conservation Program	
2/24/2016	National Grid contractor was onsite and replaced the lighting and outside fixtures at the Groveland waste/water plant, along with the two water sites in Groveland Station.



Livingston County Water & Sewer Authority
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Catherine VanHorne
 Executive Director

To: LCWSA Board

From: Catherine VanHorne

Re: DOCCS WSP

Date: February 10, 2016

Eric Wies will be at the meeting to discuss the Project.

1. Schedule - Eric will update at the meeting.
2. Capacity - The contract allows for 70,000 gallons per day without going back to DOCCS to ask for further authorization to hook more up.

User Groups		Capacity(gpd)	Total	Gallons per day
Residents on the line	135	200	27,000	
Sub division	20	200	4,000	
Residents Alternative Areas	61	200	12,200	
TOTAL				43,200
Farmers				
Dairy Knoll		100,000	100,000	
Edgewood		15,000	15,000	
Sparta		150,000	150,000	
TOTAL				265,000
GRAND TOTAL				308,200

3. Property Acquisitions:

Pump station site - Feb. 4th Jason Foote and I met with the Livingstons to discuss the potential water pump station site. I have contacted Tom Wamp to conduct an appraisal. He will be meeting with David Livingston at the site by the end of the week of Feb. 8th.

Tank Site –

Site 1 - Dennison Road – Meeting on Feb. 11, 2016

Site 2 – Barber Hill Road – Jim Frediani – Did not want to discuss

This is an Equal Opportunity Program. Discrimination is prohibited by Federal law. Complaints of discrimination may be filed with USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Ave., SW, Washington, DC 20250-9410

Site 3 – Aten Road – Also Frediani but trying with neighbor – Sealy – meeting Feb. 11, 2016

Site 4 – Wilson – Teitsworth – Nothing set up yet.

Site 5 – Aten Road – Nothing set up due to high cost or the tank

Site 6 – Barber Hill Road – Edgewood Farm – Feb. 11, 2016

4. Budget – Eric will be reviewing the budget at the meeting. I have attached the most recent one.
5. SEQRA – Attached please find the Full Environmental Assessment form completed for the Board's review. E. Wies will briefly discuss the parts of the form at the meeting. Also, attached is a Resolution SEQRA Notice Determination of significance for the DOCCS Water Supply Project.
6. Farm upsizing – Please see attached memo.

LIVINGSTON COUNTY WATER AND SEWER AUTHORITY
DOCCS WATER SUPPLY

2/11/2018

DOCCS Water			PRELIMINARY ESTIMATE			CURRENT ESTIMATE		
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL	ESTIMATED QUANTITY	UNIT PRICE	TOTAL
1	Maintenance and Protection of Traffic Including Signs and Flagmen Meeting NYS DOT Requirements	LS	1	\$ 89,000	\$ 89,000	1	\$ 94,000	\$ 94,000
2	Mobilization & Bonds	LS	1	\$ 118,000	\$ 118,000	1	\$ 134,000	\$ 134,000
3	Furnish and Install 18" Diameter Water Main	LF	5,200	\$ 65	\$ 338,000			
	-NYS Route 20A Water Main (PVC)	LF				5,200	\$ 60	\$ 312,000
	-Maple Beach Road Water Main (DIP)	LF				0	\$ 80	\$ -
4	Furnish and Install 16" In-Line Gate Valves Complete	EA	5	\$ 8,000	\$ 40,000	5	\$ 8,000	\$ 40,000
5	Furnish and Install 12" Diameter Water Main	LF	63,900	\$ 45	\$ 2,875,500			
	-NYS Route 15 Water Main (PVC)	LF				10,500	\$ 40	\$ 420,000
	-Maple Beach Road Water Main (DIP)	LF				3,300	\$ 50	\$ 165,000
	-Groveland Water Main (PVC)	LF				49,890	\$ 40	\$ 1,995,600
	-Groveland Water Storage Tank Water Main (PVC)	LF				5,000	\$ 40	\$ 200,000
6	Furnish and Install 12" In-Line Gate Valves Complete	EA	68	\$ 2,500	\$ 170,000	60	\$ 2,500	\$ 150,000
7	Furnish and Install 8" Diameter Water Main	LF						
	-Dacula Shores Water Main (PVC)	LF				1,000	\$ 30	\$ 30,000
	-Sliker Hill Water Main (PVC)	LF				6,250	\$ 30	\$ 187,500
8	Furnish and Install 8" In-Line Gate Valves Complete	EA				10	\$ 1,500	\$ 15,000
9	Furnish and Install Hydrant Assemblies	EA	82	\$ 4,200	\$ 344,400	110	\$ 4,200	\$ 462,000
10	Connection to Existing Main	EA	7	\$ 5,000	\$ 35,000	10	\$ 5,000	\$ 50,000
11	Directional Drilling with 12-inch HDPE	LF	790	\$ 200	\$ 158,000			
	-Canaseraga Creek Crossing	LF				300	\$ 200	\$ 60,000
	-Miscellaneous Creek Crossing	LF				250	\$ 200	\$ 50,000
12	Directional Drilling with 8-inch HDPE	LF						
	-Dacula Shores Conesus Lake Inlet Crossing	LF				500	\$ 200	\$ 100,000
	-Sliker Hill Conesus Lake Inlet Crossing	LF				250	\$ 200	\$ 50,000
13	Directional Drill with 18" Casing and 12" Carrier Pipe	LF						
	-Interstate 390 Crossing	LF				400	\$ 250	\$ 100,000
	-Miscellaneous NYS DOT Crossing	LF				250	\$ 200	\$ 50,000
14	Boring with 24" Casing and 12" Carrier Pipe	LF	265	\$ 600	\$ 159,000	150	\$ 600	\$ 90,000
15	Railroad Crossing Inspection	LS				1	\$ 5,000	\$ 5,000
16	Road Crossing with 12-inch PVC Open Cut	LF	790	\$ 100	\$ 79,000			
17	Rock Excavation	CY	2,600	\$ 75	\$ 195,000	1,500	\$ 75	\$ 112,500
18	Compaction Testing	LS	1	\$ 10,000	\$ 10,000	1	\$ 10,000	\$ 10,000
19	Hemlock Pump Station Improvements	LS	1	\$ 220,000	\$ 220,000			
	-Vertical Turbine Pump (925 gpm)	EA				1	\$ 63,000	\$ 63,000
	-Surface Mounted Vertical Turbine Pump (500 gpm)	EA				2	\$ 23,000	\$ 46,000
	-Piping Improvements	LS				1	\$ 40,000	\$ 40,000
	-Pump Installation	LS				1	\$ 75,000	\$ 75,000
	-Electrical Modifications ¹	LS				1	\$ 25,000	\$ 25,000
20	New Shelly Road Pump Station	LS	1	\$ 220,000	\$ 220,000			
	-Prefabricated Pump Station Installation	LS				1	\$ 225,000	\$ 225,000
	-New Electrical Work	LS				1	\$ 25,000	\$ 25,000
	-Site Work	LS				1	\$ 45,000	\$ 45,000
21	Railroad WST Modifications (+10 feet)	LS				1	\$ 80,000	\$ 80,000
22	Maple Beach Booster Station	LS	1	\$ 220,000	\$ 220,000			
	-Prefabricated Pump Station Installation	LS				1	\$ 375,000	\$ 375,000
	-New Electrical Work	LS				1	\$ 25,000	\$ 25,000
	-Site Work (driveway, grading, fence, etc.)	LS				1	\$ 45,000	\$ 45,000
23	New Groveland WST	EA	1	\$ 550,000	\$ 550,000			
	-Water Storage Tank (300,000 gal)	EA				1	\$ 300,000	\$ 300,000
	-New Electrical Work	LS				1	\$ 25,000	\$ 25,000
	-Site Work (driveway, grading, fence, etc.)	LS				1	\$ 100,000	\$ 100,000
24	New Sliker Hill Pressure Reducing Valve & Piping Modifications within Existing Building	LS	1	\$ 50,000	\$ 50,000	1	\$ 50,000	\$ 50,000
25	Latimer Rd Pressure Reducing Valve Vault #1	LS				1	\$ 75,000	\$ 75,000
	-New Electrical Work	LS				1	\$ 10,000	\$ 10,000
26	Latimer Rd Pressure Reducing Valve Vault #2	LS				1	\$ 75,000	\$ 75,000
	-New Electrical Work	LS				1	\$ 10,000	\$ 10,000
27	Latimer Rd Pressure Reducing Valve Vault #3	LS				1	\$ 75,000	\$ 75,000
	-New Electrical Work	LS				1	\$ 10,000	\$ 10,000
30	DOCCS Control Valve & Meter Vault	LS	1	\$ 75,000	\$ 75,000	1	\$ 75,000	\$ 75,000
31	NYS Route 15 Metering Vault	LS	1	\$ 75,000	\$ 75,000	1	\$ 75,000	\$ 75,000
32	SCADA	LS	1	\$ 40,000	\$ 40,000	1	\$ 80,000	\$ 80,000
CONSTRUCTION SUB-TOTAL					\$ 6,060,900			\$ 6,911,600
CONSTRUCTION CONTINGENCY (5%)					\$ 303,045			\$ 345,580
LAND ACQUISITION					\$ -			\$ 25,000
CONSTRUCTION TOTAL					\$ 6,363,945			\$ 7,282,180
ENGINEERING					\$ 669,445			\$ 669,445
LEGAL & ADMINISTRATION					\$ 466,610			\$ 200,000
PROJECT TOTAL					\$ 7,500,000			\$ 8,151,625

Notes:

1. The electrical improvement do not include costs associated with upsizing the backup generator.

LIVINGSTON COUNTY WATER AND SEWER AUTHORITY
DOCCS WATER SUPPLY

2/11/2016

LCWASA Water

ITEM	DESCRIPTION	UNIT	CURRENT ESTIMATE		
			ESTIMATED QUANTITY	UNIT PRICE	TOTAL
1	Maintenance and Protection of Traffic Including Signs and Flagmen Meeting NYSDOT Requirements	LS	1	\$ 5,000	\$ 5,000
2	Mobilization & Bonds	LS	1	\$ 5,000	\$ 5,000
3	Furnish and Install 12" Diameter Water Main -Groveland Corners Road Water Main (PVC)	LF	2,000	\$ 40	\$ 80,000
4	Furnish and Install 12" In-Line Gate Valves Complete	EA	2	\$ 2,500	\$ 5,000
5	Connection to Existing Main	EA	1	\$ 5,000	\$ 5,000
6	Groveland Hill Road Pressure Reducing Valve Vault -New Electrical Work	LS	1	\$ 75,000	\$ 75,000
7	Groveland Lower Pressure Reducing Valve (In Existing Building)	LS	1	\$ 50,000	\$ 50,000
CONSTRUCTION SUB-TOTAL					\$ 235,000
CONSTRUCTION CONTINGENCY (5%)					\$ 11,750
LAND ACQUISITION					\$ -
CONSTRUCTION TOTAL					\$ 246,750
ENGINEERING					\$ -
LEGAL & ADMINISTRATION					\$ -
PROJECT TOTAL					\$ 246,750

ITEM	DESCRIPTION	UNIT	FARMS ESTIMATE +54 GPM			FARMS ESTIMATE +158 GPM			FARMS ESTIMATE +208 GPM		
			ESTIMATED QUANTITY	UNIT PRICE	TOTAL	ESTIMATED QUANTITY	UNIT PRICE	TOTAL	ESTIMATED QUANTITY	UNIT PRICE	TOTAL
1	Maintenance and Protection of Traffic Including Signs and Flagmen Meeting NYSDOT Requirements	LS	1	\$ 3,000	\$ 3,000	1	\$ 3,000	\$ 3,000	1	\$ 3,000	\$ 3,000
2	Mobilization & Bonds	LS	1	\$ 6,000	\$ 6,000	1	\$ 8,000	\$ 8,000	1	\$ 12,000	\$ 12,000
3	Net Cost to Install 16" Diameter Water Main in Lieu of 12" Diameter -Maple Beach Road Water Main (DIP)	LF	3,300	\$ 30	\$ 99,000	3,300	\$ 30	\$ 99,000	3,300	\$ 30	\$ 99,000
4	Net Cost to Install 16" In-Line Gate Valves in Lieu of 12"	EA	9	\$ 5,500	\$ 49,500	9	\$ 5,500	\$ 49,500	9	\$ 5,500	\$ 49,500
5	Herrlock Pump Station Improvements -Surface Mounted Vertical Turbine Pump (500 gpm) -Piping Improvements -Pump Installation -Electrical Modifications	LS EA LS LS							1 1 1 1	\$ 23,000 \$ 10,000 \$ 10,000 \$ 5,000	\$ 23,000 \$ 10,000 \$ 10,000 \$ 5,000
6	Maple Beach Booster Station -Net Cost to Upgrade Pump Station from DOCCS	LS	1	\$ 25,000	\$ 25,000	1	\$ 50,000	\$ 50,000	1	\$ 75,000	\$ 75,000
7	New Groveland WST -Water Storage Tank -Site Work	EA LS	1 1	\$ 75,000 \$ 5,000	\$ 75,000 \$ 5,000	1 1	\$ 175,000 \$ 7,500	\$ 175,000 \$ 7,500	1 1	\$ 280,000 \$ 10,000	\$ 280,000 \$ 10,000
CONSTRUCTION SUB-TOTAL					\$ 262,500				\$ 392,000		
CONSTRUCTION CONTINGENCY (5%)					\$ 13,125				\$ 19,600		
NET COST INCREASE					\$ 275,625	NET COST INCREASE			\$ 411,600		
						NET COST INCREASE			\$ 605,325		

Livingston County Water and Sewer Authority
DOCCS Water
Groveland Water Storage Tank Options

Site	Location	Property Owner	Property Size (ac)	Driveway Length	Ground Elevation	Needed Tank Height	Needed Tank Overflow	Actual Tank Diameter	Actual Tank Height	Actual Tank Capacity	Actual Tank Overflow	Water Main Length	Water Main Total	Water Storage Tank Cost	Electric	Site Improvements	Land Acquisition ¹	Total Tank Cost
1	Dennison Road, west of cell tower, 400' from road	Don Barber	0.73	400	1,410	50	1,460	31	51	280,000	1,461	3,800	\$152,000.00	\$ 445,500.00	\$ 29,000.00	\$ 120,000.00	\$ 10,943.53	\$ 757,443.53
2	Dennison Road, west of cell tower, 750' from road	Don Barber	0.93	750	1,423	40	1,463	36	40	303,700	1,463	4,100	\$164,000.00	\$ 407,000.00	\$ 32,500.00	\$ 137,500.00	\$ 13,956.61	\$ 754,956.61
3	Aten Road, across from old barn	Craig Phelps	0.56	100	1,402	60	1,462	31	61	331,000	1,463	2,700	\$108,000.00	\$ 489,500.00	\$ 26,000.00	\$ 105,000.00	\$ 8,360.88	\$ 736,860.88
4	Aten Road, in woods west of house	Dave Seely	0.56	100	1,400	60	1,460	31	61	331,000	1,461	3,400	\$136,000.00	\$ 489,500.00	\$ 26,000.00	\$ 105,000.00	\$ 8,360.88	\$ 754,860.88
5	Wilson Road, behind County tower	Craig Phelps	0.73	400	1,415	50	1,465	31	51	280,000	1,466	3,900	\$156,000.00	\$ 445,500.00	\$ 29,000.00	\$ 120,000.00	\$ 10,943.53	\$ 761,443.53
6	Barber Hill Road, north end of woods	Robert Phelps	0.70	350	1,455	20	1,475	50	21	300,800	1,476	6,100	\$244,000.00	\$ 418,000.00	\$ 28,500.00	\$ 117,500.00	\$ 10,513.09	\$ 816,513.09
7	Barber Hill Road, center of woods	Robert Phelps	0.64	250	1,440	20	1,460	50	21	300,800	1,461	7,400	\$286,000.00	\$ 418,000.00	\$ 27,500.00	\$ 112,500.00	\$ 9,652.20	\$ 863,852.20

Notes:

1. We have assumed a price of \$15,000 per acre for the purchase of land. Actual cost will be based on appraised value.

Plotted By: Dan Inanna

Date last plotted: 2/18/2016 11:28 AM

Date last accessed: 2/17/2016 4:01 PM

Drawing Name: J:\PROJECTS\CLW\6A\Draws\Can WA\1D Design\CAD\Figures\1Tank Proposed Sites.dwg



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DATE: 12/23/15
 DRAWN: DGI
 CHECKED: JAF
 SCALE: 1"=800'
 PROJ. #: XXXX.XX

PROPOSED TANK LOCATIONS
DOCCS WATER SUPPLY
 LIVINGSTON COUNTY, NEW YORK

RESOLUTION 2016 -

SEQRA NOTICE
DETERMINATION OF SIGNIFICANCE
FOR THE DEPARTMENT OF CORRECTION AND COMMUNITY SERVICES (DOCCS)
WATER SUPPLY PROJECT

Whereas, the LCWSA Board has proposed a water supply project for the DOCCS Groveland Correctional Facility, which will include improvements to existing infrastructure in the Town of Livonia, new main tank, pump station, and appurtenances including property acquisitions and easements in the Towns of Conesus and Groveland, and additional main extensions and residential connections in the vicinity of the new main.

Whereas, in accordance with the provisions of 6 NYCRR Part 617 (SEQRA), the LCWSA Board adopted a resolution on August 26, 2015 declaring its intent to act as Lead Agency for the Proposed Action and circulated said intent to all Involved Agencies; and

Whereas, the LCWSA Board adopted a resolution on October 28, 2015 declaring itself as Lead Agency for the Proposed Action.

Now Therefore Be It Resolved that based upon examination of the Environmental Assessment Form (EAF), its own independent analysis of the Proposed Action, and comparison with the criteria for determining significance under 6 NYCRR 617.7, the LCWSA Board finds that the Proposed Action will not have a significant environmental impact and hereby issues a Negative Declaration; and

Be it Further Resolved that this determination is based on the facts and conclusions as noted in the attached EAF.

**Full Environmental Assessment Form
Part 1 - Project and Setting**

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Sponsor Information.

Name of Action or Project: DOCCS Water Supply Project		
Project Location (describe, and attach a general location map): Portions of the Towns of Livonia, Conesus, Groveland, and the Village of Livonia.		
Brief Description of Proposed Action (include purpose or need): Water main installation to provide water to the Groveland Correctional Facility as well as other potential users within the vicinity of the new water main. The proposed project will include the following locations approximately 53,600 linear feet of new water main and appurtenances along Maple Beach Road, Groveland Hill Road, Latimer Road, Pioneer Road, and NYS Route 36 in the Town of Groveland; approximately 10,500 linear feet of water main and appurtenances on South Livonia Road in the Town of Conesus; approximately 5,200 linear feet of water main located on Big Tree Road just east of the Village of Livonia with larger diameter water main; improvements to the Hemlock pump station, the Shelly Road pump station, and the Sliker Hill pump station, and a new water storage tank in the vicinity of Groveland Hill Road and Aten Road.		
Name of Applicant/Sponsor: Livingston County Water and Sewer Authority (LCWSA)	Telephone: (585) 346-3523	E-Mail: cvanhome@co.livingston.ny.us
Address: 1997 D'Angelo Drive		
City/PO: P.O. Box 396 Lakeville	State: New York	Zip Code: 14480
Project Contact (if not same as sponsor; give name and title/role): Catherine VanHome	Telephone:	E-Mail:
Address: Same as above		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):	Telephone:	E-Mail:
Address: Same as above		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)		
Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Planning Board or Commission		
c. City Council, Town or <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Village Zoning Board of Appeals		
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	City of Rochester Water	Dec 2015-Jan 2016 (anticipated)
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Livingston County Highway (ROW), Livingston County DOH (Permitting)	Dec 2015-Jan 2016 (anticipated)
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	DOCCS (Funding), DOT (ROW), DEC (Wetlands/ Stream Xing), SHPO (Compl.), DAM (Aq Dist)	Dec 2015-Jan 2016 (anticipated)
h. Federal agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Army Corps of Engineer	Dec 2015-Jan 2016 (anticipated)
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

C. Planning and Zoning

C.1. Planning and zoning actions.	
Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • If Yes, complete sections C, F and G. • If No, proceed to question C.2 and complete all remaining sections and questions in Part I 	
C.2. Adopted land use plans.	
a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, identify the plan(s):	

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, identify the plan(s):	
Livingston County Agricultural and Farmland Protection Plan, Conesus Lake Water Management Plan	

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. Yes No
If Yes, what is the zoning classification(s) including any applicable overlay district?

N/A (Multiple municipalities)

b. Is the use permitted or allowed by a special or conditional use permit? Yes No

c. Is a zoning change requested as part of the proposed action? Yes No

If Yes,

i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Livonia, Mount Morris, Dansville

b. What police or other public protection forces serve the project site?

Livingston County Sheriff, NYS Police (Troop E)

c. Which fire protection and emergency medical services serve the project site?

Groveland Vol. FD Conesus Vol. FD, Livonia FD, Livonia EMS, Lakeville FD

d. What parks serve the project site?

N/A

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Residential, agricultural, commercial, vacant

b. a. Total acreage of the site of the proposed action? _____ 16 acres

b. Total acreage to be physically disturbed? _____ 8 acres

c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 0 acres

c. Is the proposed action an expansion of an existing project or use? Yes No

i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % 15 Units: linear feet

d. Is the proposed action a subdivision, or does it include a subdivision? Yes No

If Yes,

i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

ii. Is a cluster/conservation layout proposed? Yes No

iii. Number of lots proposed? _____

iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will proposed action be constructed in multiple phases? Yes No

i. If No, anticipated period of construction: _____ 18 months

ii. If Yes:

• Total number of phases anticipated _____

• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year

• Anticipated completion date of final phase _____ month _____ year

• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? Yes No

If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? Yes No

If Yes,

- i. Total number of structures 3
- ii. Dimensions (in feet) of largest proposed structure: 30' height; 30' width; and 30' length
- iii. Approximate extent of building space to be heated or cooled: 400 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? Yes No

If Yes,

- i. Purpose of the impoundment: Treated Water
- ii. If a water impoundment, the principal source of the water: Ground water Surface water streams Other specify: City of Rochester WTP
- iii. If other than water, identify the type of impounded/contained liquids and their source. N/A
- iv. Approximate size of the proposed impoundment. Volume: 0.1 to 0.5 million gallons; surface area: _____ acres
- v. Dimensions of the proposed dam or impounding structure: 30' height; 30' length
- vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): Steel

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) Yes No

If Yes:

- i. What is the purpose of the excavation or dredging? Installation of new water main
- ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
 - Volume (specify tons or cubic yards): 50,000 CY
 - Over what duration of time? 18 months
- iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. All excavated material will be placed back in the excavated trench from where they came. Large Rocks and extra spoils will be placed offsite at a predetermined location
- iv. Will there be onsite dewatering or processing of excavated materials? Yes No
If yes, describe. Trench dewatering
- v. What is the total area to be dredged or excavated? 8 acres
- vi. What is the maximum area to be worked at any one time? 0.1 acres
- vii. What would be the maximum depth of excavation or dredging? 7 feet
- viii. Will the excavation require blasting? Yes No
- ix. Summarize site reclamation goals and plan: _____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? Yes No

If Yes:

- i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): DEC, CO-1, SO-8/SO-9 (buffer areas) & USFWS, PSS1/EM1C (south end Conesus Lake), PKQf (Canaseraga Creek floodplain at Pioneer Road in Groveland)

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:
Temporary displacement of soils due to trench excavation within the existing road right-of-way for installation of water main and appurtenances. Replacement of excavated soils along with reseeding/revegetation thereafter. Width and depth of excavation only minimal necessary for installation, likely 3-4' deep and 3' wide along the roadway.

iii. Will proposed action cause or result in disturbance to bottom sediments? Yes No
 If Yes, describe: _____

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? Yes No
 If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? Yes No
 If Yes:

i. Total anticipated water usage/demand per day: _____ 500,000 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? Yes No
 If Yes:

- Name of district or service area: Livingston County Water and Sewer Authority (from the City of Rochester Supply)
- Does the existing public water supply have capacity to serve the proposal? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No
- Do existing lines serve the project site? Yes No

iii. Will line extension within an existing district be necessary to supply the project? Yes No
 If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
Construction of 63800 feet of new water main and replacement and upsizing of 5200 feet of existing water main
- Source(s) of supply for the district: City of Rochester (Hemlock Lake)

iv. Is a new water supply district or service area proposed to be formed to serve the project site? Yes No
 If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? Yes No
 If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

iii. Will the proposed action use any existing public wastewater treatment facilities? Yes No
 If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No

Yes No
 Yes No

• Do existing sewer lines serve the project site?
 • Will line extension within an existing district be necessary to serve the project?
 If Yes:
 • Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? Yes No
 If Yes:
 • Applicant/sponsor for new district: _____
 • Date application submitted or anticipated: _____
 • What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? Yes No
 If Yes:
 i. How much impervious surface will the project create in relation to total size of project parcel?
 _____ Square feet or _____ 0.1 acres (impervious surface)
 _____ Square feet or _____ 0.1 acres (parcel size)
 ii. Describe types of new point sources. _____
 iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?
 on-site surface water, off-site surface water

 • If to surface waters, identify receiving water bodies or wetlands: _____
 Tributaries of Conesus lake, and Canaseraga Creek
 • Will stormwater runoff flow to adjacent properties? Yes No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? Yes No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? Yes No
 If Yes, identify:
 i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)
 Heavy equipment
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)
 Power generation
 iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? Yes No
 If Yes:
 i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes No
 ii. In addition to emissions as calculated in the application, the project will generate:
 • _____ Tons/year (short tons) of Carbon Dioxide (CO₂)
 • _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
 • _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
 • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
 • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
 • _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? Yes No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? Yes No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? Yes No

If Yes:

i. When is the peak traffic expected (Check all that apply): Morning Evening Weekend
 Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? Yes No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____

vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site? Yes No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? Yes No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? Yes No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? Yes No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____

iii. Will the proposed action require a new, or an upgrade to, an existing substation? Yes No

l. Hours of operation. Answer all items which apply.

<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 7-4 _____ • Saturday: _____ • Sunday: _____ • Holidays: _____ 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24 hours _____ • Saturday: _____ 24 hours _____ • Sunday: _____ 24 hours _____ • Holidays: _____ 24 hours _____
--	---

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? Yes No

If yes:

i. Provide details including sources, time of day and duration:
Construction equipment during regular working hours, Monday-Friday, 7am - 4pm.

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes No
Describe: _____

n. Will the proposed action have outdoor lighting? Yes No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:
On pump stations only, approximately 7' in height towards the roads.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? Yes No
Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? Yes No
If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:
Construction equipment during regular working hours, Monday - Friday, 7am - 4pm.

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? Yes No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally describe proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? Yes No

If Yes:

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? Yes No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? Yes No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ 1 tons per _____ month (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: Local landfills
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? Yes No
 If Yes:
 i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____
 ii. Anticipated rate of disposal/processing:
 • _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
 • _____ Tons/hour, if combustion or thermal treatment
 iii. If landfill, anticipated site life: _____ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? Yes No
 If Yes:
 i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

 ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

 iii. Specify amount to be handled or generated _____ tons/month
 iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

 v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes No
 If Yes: provide name and location of facility: _____

 If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.
 i. Check all uses that occur on, adjoining and near the project site.
 Urban Industrial Commercial Residential (suburban) Rural (non-farm)
 Forest Agriculture Aquatic Other (specify): _____
 ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Coverture	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.5	0.5	0
• Forested	0.5	0.45	-0.05
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.5	0.4	-0.1
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: <u>Disturbed lands within right-of-way</u>	6.5	6.5	0

c. Is the project site presently used by members of the community for public recreation? Yes No
i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? Yes No
If Yes,
i. Identify Facilities: _____

e. Does the project site contain an existing dam? Yes No
If Yes:
i. Dimensions of the dam and impoundment:
• Dam height: _____ feet
• Dam length: _____ feet
• Surface area: _____ acres
• Volume impounded: _____ gallons OR acre-feet
ii. Dam's existing hazard classification: _____
iii. Provide date and summarize results of last inspection: _____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? Yes No
If Yes:
i. Has the facility been formally closed? Yes No
• If yes, cite sources/documentation: _____
ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____
iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? Yes No
If Yes:
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? Yes No
If Yes:
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: Yes No
 Yes - Spills Incidents database Provide DEC ID number(s): _____
 Yes - Environmental Site Remediation database Provide DEC ID number(s): _____
 Neither database
ii. If site has been subject of RCRA corrective activities, describe control measures: _____
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes No
If yes, provide DEC ID number(s): _____
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____

v. Is the project site subject to an institutional control limiting property uses? Yes No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? Yes No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? _____ 0-6 feet

b. Are there bedrock outcroppings on the project site? Yes No
 If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ N/A %

c. Predominant soil type(s) present on project site:

Wayland-Teel-Hamlin	_____	15 %
Ontario-Lima-Lansing-Honeoye-Con	_____	80 %
Valois-Howard-Bath	_____	5 %

d. What is the average depth to the water table on the project site? Average: _____ 6 +/- feet

e. Drainage status of project site soils: Well Drained: _____ % of site
 Moderately Well Drained: _____ % of site
 Poorly Drained _____ % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 90 % of site
 10-15%: _____ 10 % of site
 15% or greater: _____ % of site

g. Are there any unique geologic features on the project site? Yes No
 If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Yes No

ii. Do any wetlands or other waterbodies adjoin the project site? Yes No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? Yes No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name Canaseraga Creek Classification C
- Lakes or Ponds: Name Conesus Lake Classification L1UBH
- Wetlands: Name DEC: CO-1 / USFWS: SO-8, SO-9 Approximate Size 1 ac / 462 ac (total)
- Wetland No. (if regulated by DEC) CO-1

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? Yes No
 If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? Yes No

j. Is the project site in the 100 year Floodplain? Yes No

k. Is the project site in the 500 year Floodplain? Yes No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? Yes No
 If Yes:

i. Name of aquifer: Unnamed primary/ principal aquifers

m. Identify the predominant wildlife species that occupy or use the project site: _____
 Various _____

n. Does the project site contain a designated significant natural community? Yes No
 If Yes:
 i. Describe the habitat/community (composition, function, and basis for designation): _____
 ii. Source(s) of description or evaluation: _____
 iii. Extent of community/habitat:
 • Currently: _____ acres
 • Following completion of project as proposed: _____ acres
 • Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? Yes No
 Bald Eagle identified as endangered or threatened species within Livingston County. As all work will take place within right-of-way or previously disturbed area, no habitat likely exists that is suitable for Bald Eagle nesting

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? Yes No

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? Yes No
 If yes, give a brief description of how the proposed action may affect that use: _____
Short-term disruption pertaining to access and traffic during construction only; no impact of activities as work occurs within road right-of-way.

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? Yes No
 If Yes, provide county plus district name/number: Agricultural District No. 2

b. Are agricultural lands consisting of highly productive soils present? Yes No
 i. If Yes: acreage(s) on project site? _____
 ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? Yes No
 If Yes:
 i. Nature of the natural landmark: Biological Community Geological Feature
 ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? Yes No
 If Yes:
 i. CEA name: _____
 ii. Basis for designation: _____
 iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District	
<i>ii.</i> Name: _____	
<i>iii.</i> Brief description of attributes on which listing is based: _____	
f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site?	
If Yes:	
<i>i.</i> Describe possible resource(s): _____	
<i>ii.</i> Basis for identification: _____	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Identify resource: _____	
<i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____	
<i>iii.</i> Distance between project and resource: _____ miles.	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Identify the name of the river and its designation: _____	
<i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	

F. Additional Information

Attach any additional information which may be needed to clarify your project.

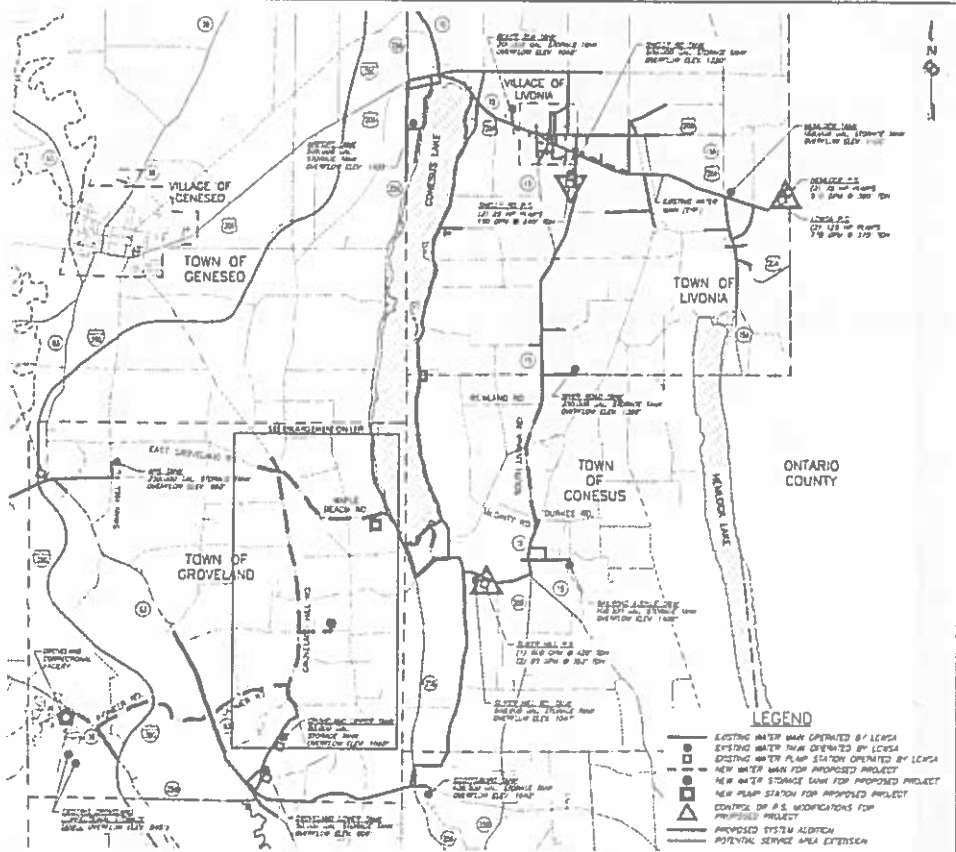
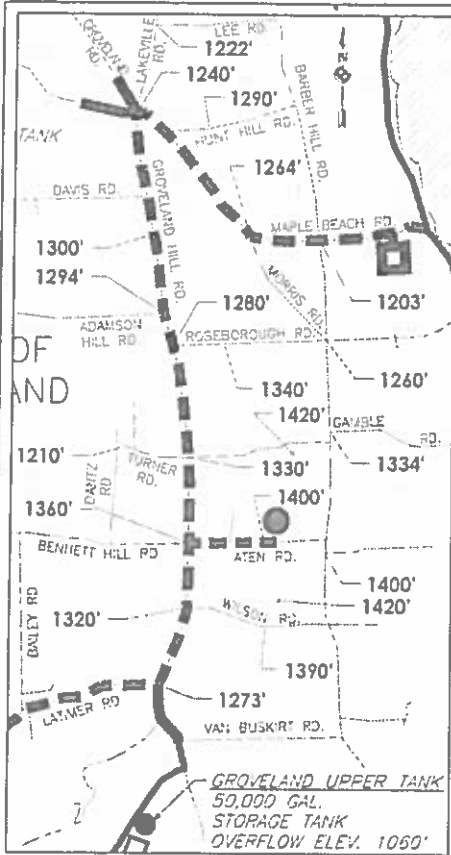
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Catherine VanHome Date October 29, 2015

Signature _____ Title Executive Director, LCWSA



REVISIONS NO. DATE BY CAUSE DESCRIPTION	CLARK PATTERSON LEE DESIGN PROFESSIONALS 700 EY PLAZA STREET, SUITE 202 ROCHESTER, NEW YORK 14604 TEL (716) 574-6000 FAX (716) 574-5836 www.clarkpatterson.com	LIVINGSTON COUNTY WATER AND SEWER AUTHORITY TOWN OF GROVELAND LIVINGSTON COUNTY NEW YORK		DATE: 10/22/15 DRAWN: PDI DESIGNED: ECW CHECKED: ECW SCALE: 1"=600'	DOCS WATER SUPPLY PROJECT PROPOSED PROJECT FOR WATER SUPPLY TO CORRECTIONAL FACILITIES	PROJECT NUMBER 082301 DRAWING NUMBER FIG. 1
		TOWN OF GROVELAND LIVINGSTON COUNTY NEW YORK				

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency and the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "Yes" to a numbered question, please complete all the questions that follow in that section.
- If you answer "No" to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1) <i>If "Yes", answer questions a - j. If "No", move on to Section 2.</i>		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: <u>Temporary land disturbance with water installation, permanent conversion with water storage tank.</u>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

2. Impact on Geological Features
 The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g) NO YES
If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____	E2g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

3. Impacts on Surface Water
 The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) NO YES
If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>

I. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
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4. Impact on groundwater The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) <i>If "Yes", answer questions a - h. If "No", move on to Section 5.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	<input type="checkbox"/>	<input type="checkbox"/>
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

5. Impact on Flooding The proposed action may result in development on lands subject to flooding. <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES (See Part 1. E.2) <i>If "Yes", answer questions a - g. If "No", move on to Section 6.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in development within a 100 year floodplain.	E2j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in development within a 500 year floodplain.	E2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	<input checked="" type="checkbox"/>	<input type="checkbox"/>

g. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>
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6. Impacts on Air
 The proposed action may include a state regulated air emission source. NO YES
 (See Part 1. D.2.f., D.2.h, D.2.g)
If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels: i. More than 1000 tons/year of carbon dioxide (CO ₂) ii. More than 3.5 tons/year of nitrous oxide (N ₂ O) iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs) iv. More than .045 tons/year of sulfur hexafluoride (SF ₆) v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions vi. 43 tons/year or more of methane	D2g D2g D2g D2g D2g D2h	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

7. Impact on Plants and Animals
 The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) NO YES
If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	<input checked="" type="checkbox"/>	<input type="checkbox"/>

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: <u>NYS DEC - Silver maple-ash swamp</u>	E2n	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____	E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

8. Impact on Agricultural Resources			
The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.)		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
<i>If "Yes", answer questions a - h. If "No", move on to Section 9.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	E1 a, E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

9. Impact on Aesthetic Resources The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.) <i>If "Yes", answer questions a - g. If "No", go to Section 10.</i>			
		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile 1/2 -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

10. Impact on Historic and Archeological Resources The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.) <i>If "Yes", answer questions a - e. If "No", go to Section 11.</i>			
		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.	E3e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	<input checked="" type="checkbox"/>	<input type="checkbox"/>

d. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>
e. If any of the above (a-d) are answered "Yes", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	<input type="checkbox"/>	<input type="checkbox"/>
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>

11. Impact on Open Space and Recreation
The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. NO YES
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	<input type="checkbox"/>	<input type="checkbox"/>
e. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

12. Impact on Critical Environmental Areas
The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d) NO YES
If "Yes", answer questions a - c. If "No", go to Section 13.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

13. Impact on Transportation
 The proposed action may result in a change to existing transportation systems. NO YES
 (See Part 1. D.2.j)
 If "Yes", answer questions a - g. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action will degrade existing transit access.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

14. Impact on Energy
 The proposed action may cause an increase in the use of any form of energy. NO YES
 (See Part 1. D.2.k)
 If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	<input type="checkbox"/>	<input type="checkbox"/>
e. Other Impacts: _____			

15. Impact on Noise, Odor, and Light
 The proposed action may result in an increase in noise, odors, or outdoor lighting. NO YES
 (See Part 1. D.2.m., n., and o.)
 If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in routine odors for more than one hour per day.	D2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>

d. The proposed action may result in light shining onto adjoining properties.	D2n	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.)

NO

YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	<input type="checkbox"/>	<input type="checkbox"/>
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	<input type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	<input type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	<input type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	<input type="checkbox"/>	<input type="checkbox"/>
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	<input type="checkbox"/>	<input type="checkbox"/>
m. Other impacts: _____			

17. Consistency with Community Plans
 The proposed action is not consistent with adopted land use plans.
 (See Part 1. C.1, C.2. and C.3.) NO YES
If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d. E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	<input type="checkbox"/>	<input type="checkbox"/>
h. Other: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

18. Consistency with Community Character
 The proposed project is inconsistent with the existing community character.
 (See Part 1. C.2, C.3, D.2, E.3) NO YES
If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	<input type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

PRINT FULL FORM

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

1. Impact on Land (E. Timeframe) - Work is proposed to take 18 months to complete due to the extent of the water main to be replaced and coordination of work with appropriate agencies. Actual work may take more/less time depending on weather and level of work.

1. Impact on Land (H. Other) - The installation of water main will predominantly take place within the right-of-way of existing roadways. In other locations, the main will traverse agricultural lands or under streams/wetlands. In all instances, excavation will be temporary and short-term and any excavated material will be replaced and the surface re-vegetated as necessary. The land for the proposed water storage tank will be permanently converted with minimal land required for the tank and access road. Re-vegetation of disturbed land is proposed. The tank is necessary to provide safe, reliable water pressure and capacity to the new service areas, which are currently populated. For these reasons, the impact to land will not result in a significant adverse environmental impact.

3. Impacts on Surface Water (D. Wetlands) - Various wetlands identified in the vicinity, especially on the south end of Conesus Lake (DEC and Federal) and by Canaseraga Creek in Groveland (Federal). As noted above the majority of work will take place in existing road right-of-way, which has already been previously disturbed. Those areas outside of roadways will adhere to stormwater and erosion control measures, construction best management practices, and any wetland/waterbody disturbance standards to ensure water quality is protected. Excavation will be short-term in nature and excavated areas will be promptly refilled and re-vegetated with native material to ensure no significant adverse environmental impact will occur.

5. Impact on Flooding (B. Floodplains) - Work is proposed to occur in areas designated as Zone A/AE, 100-year floodplains. The majority of work will take place in existing road right-of-way, which has already been previously disturbed. Those areas outside of roadways will not change the base elevation or result in significant adverse changes to subsoils that would impact the soil saturation and flood-handling capabilities of the existing land. Excavation will be short-term in nature and excavated areas will be promptly refilled and re-vegetated with native material to ensure no significant adverse environmental impact will occur.

7. Impact on Plants and Animals - The proposed work is slated to occur in the vicinity of the general area outlined by the NYS DEC as a Significant Natural Community at the south end of Conesus Lake. This includes both the Sliker Road and Dacula Shores Road area. Along Sliker Road, the water main addition is proposed to be installed within the existing right-of-way, which has already been disturbed and generally does not contain adequate habitat for E/T species. The same goes for other locations within the project area that are along roadways. The proposed extension/connection of the water main between Dacula Shores Road and Cove Lane along the southern shores of Conesus Lake is within the bounds of a Significant Natural Community. Excavation will be short-term in nature and excavated areas will be promptly refilled and re-vegetated with native material. To minimize any impact to potential habitat for E/T species, work will be scheduled to occur during periods that do not interfere for nesting, migration, or other sensitive periods for fauna and during hibernation periods for flora. Directional drilling and other non-invasive methods for water main installation will be utilized to the greatest extent possible and coordination with the NYS DEC will occur throughout the design and construction process. With construction best practices, coordination of efforts, and the short-term nature of the project it is anticipated that no significant adverse environmental impact will occur.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: Type 1 Unlisted

Identify portions of EAF completed for this Project: Part 1 Part 2 Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the _____ as lead agency that:

A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.d).

C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: DOCCS Water Supply Project

Name of Lead Agency: Livingston County Water and Sewer Authority (LCWSA)

Name of Responsible Officer in Lead Agency: Catherine VanHome

Title of Responsible Officer: Executive Director

Signature of Responsible Officer in Lead Agency:

Date:

Signature of Preparer (if different from Responsible Officer)

Date:

For Further Information:

Contact Person: Eric Wies, P.E.

Address: 205 Saint Paul Street Rochester, NY 14604

Telephone Number: 800-274-9000

E-mail: ewies@clarkpatterson.com

For Type I Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)

Other involved agencies (if any)

Applicant (if any)

Environmental Notice Bulletin: <http://www.dec.ny.gov/enb/enb.html>

DOCCS Water Supply Project

Full Environmental Assessment Form – Part 3: Evaluation of the Magnitude and Importance of Project Impacts

8. **Impact on Agricultural Resources** – Although the majority of the work with the Proposed Action will take place within the right-of-way of existing roadways, there may be some instances where proposed water main may cross through agricultural lands. To ensure no significant adverse impacts to soil or agricultural operations, construction will be proposed to occur during appropriate times (not planting or harvest) and the disturbed lands will be tilled to minimize compaction. Coordination with land owners will ensure appropriate time period, as they may vary depending on crop rotation and season.

9. **Impact on Aesthetic Resources** – The only aspect of the proposed action that differs from the current land use patterns is the water storage tank; however, there are two existing tanks located within a two mile distance from the proposed location. Due to the need to place the tank at a higher elevation for the required water pressure, it will likely not be visible from lower elevations. In addition, although it would be an above ground tank, it would not be elevated and painted a color that blends with the surroundings, further minimizing any visual impacts. The extent of pad and site needed for the tank and support equipment would be the minimal necessary and would not detract or interfere with any potential aesthetic resources. The proposed water main improvements and extensions would be underground and would have no impact. For the reasons stated above, there would be no significant adverse environmental impact.

10. **Impact on Historic and Archeological Resources (B. Sensitive Areas)** – According to online mapping provided by the State Historic Preservation Office (SHPO), sensitive archeological areas are generally indicated around the southern end of Conesus Lake. For these areas, excavation will occur within the roadway right-of-way, which has been previously disturbed down to a depth of approximately 0-3 feet. Additionally, the water storage tank is proposed to be located on existing/former agricultural lands that have been regularly disturbed through tilling, further minimizing the potential for any impact to archeological resources. Therefore it is anticipated that no significant adverse environmental impacts will occur. Should any artifacts be uncovered during construction, SHPO will be notified immediately and appropriate protocols will be followed.

11. **Impact on Noise, Odor, and Light** – Construction work associated with the proposed action will likely result in short-term noise and odor impacts. These impacts will be insignificant as the work will take place during daytime hours only and be temporary in nature. The installation of the storage tank would only impact adjacent properties, but will also be short-term and occur during daytime hours. Construction best-management practices will be followed to further ensure that impacts remain insignificant.



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Catherine VanHorne
Executive Director

To: Farm Community

From: Catherine VanHorne

Re: Dept. of Corrections and Community Services (DOCCS) Water Supply Project (WSP)
Upsizing Farm estimate

Date: February 17, 2016

This memo describes the costs that the LCWSA is anticipating for Farms whom have requested capacity beyond what is available on the DOCCS WSP line.

Below is a chart that shows three farms that requested water capacity needs, and the costs to upsize the project for those needs. The LCWSA is anticipating that Farmers whom participate with the upsizing will finance their share of the improvements and provide the funds upfront to the LCWSA. (NOTE: the LCWSA will have to recalculate costs if Farmers decide to take more or less water)

	Water capacity in gallons per day	% of overall costs based on water capacity	Costs
Farmer 1	100000	0.43	\$179,130.43
Farmer 2	30000	0.13	\$53,739.13
Farmer 3	100000	0.43	\$179,130.43
TOTAL	230000		\$412,000.00

Other costs that will apply:

Installation:

1. All installations will have to have Backflow Protection, which will require the farmers to hire a licensed professional engineer to design and determine the Hazard.
2. Any installations longer than 150 feet from the main will have to install a meter pit.
3. Permit costs will include the cost of the service and meter. A licensed professional Engineer will determine your meter size and service needs using AWWA standard M22 calculations. (This should be included in the Backflow Protection report)
4. Customers are responsible for the cost of installation of the water service from the meter pit to the facilities. This is the installation on private property.

Operations and Maintenance costs:

- a. Units established based on service size and the M22 calculation referenced above.
Each unit will be \$36/quarter.

- b. Usage = \$3.50/1000 gallons used.
- c. No capital charge for Farmers who upsize the facilities as they are paying for upsizing infrastructure up front.



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Catherine VanHorne
Executive Director

To: LCWSA Board Members

From: Catherine VanHorne

Re: 2015 Collection System Study
Inflow and Infiltration project

2015 Collection System Study – This study looks at the inflow and infiltration issues in the Lakeville treatment plant service area. The Study looked at rain events and flows with the collection system and evaluated the data. The report is completed, and outlines the activities for the next five years.

The following items were listed for 2016 in the report:

- **Capital Project 31080** – Budget \$228,675 - This project contains approximately \$200,000 of collection system improvements – see attached spreadsheet. These projects are developed from video taping pipe sections conducted by operations staff, and then each section is graded by management staff and entered into the pipe sections database. Each year, new sections are added for the areas video taped, and then sorted for the most critical repairs. Also attached is a proposal from CPL to take the repair list, and design and prepare bid documents for the repair projects.
RESOLUTION – APPROVING PROPOSAL FROM ENGINEERING SERVICES – 2016 COLLECTION SYSTEM REPAIRS – CLARK PATTERSON LEE (CPL)
RESOLVED, the LCWSA Board approves the proposal from CPL (on file with the Secretary) in an amount not to exceed \$24,500.
- **Capital project 31108** – Budget \$89,900- Early warning system –The following projects are completed for this project:
 - Purchase of the high speed pump;
 - Installation and alarming on the Village sewer meter;
 - Proposals are being requested for the installation of communications monitors for three manholes and rain gauges.
- Video taping cleaning and smoke testing - This is an ongoing program each year. This program is on a 5-year rotation.
- Hiring employee to conduct internal plumbing inspections – Personnel Duty statement has been submitted to Personnel Department. We are working with the Director on a title for the position. This is a new title and is difficult to find anything existing that fits the duties.

At the end of each year, a report will be submitted to the NYSDEC on the accomplishments under the study. At the end of the five years, if the LCWSA has not been successful in eliminating or reducing overflow issues, the report outlines capital improvement options that include:

- Installation of parallel gravity sewer mains;

- Installation of a new force main;
- Combinations of both gravity and force mains;
- Different sizes of sewer storage tanks;
- Installation of entire new system diverting the sewage from the Lake collection system thru a new collection system directly to the plant.

The costs of the capital improvement options range from \$1,200,000 to \$9,000,000.

ITEM NO.	STREET LOCATION	TOWN	PROBLEM	REPAIR METHOD	TOTAL PRICE	RUNNING TOTAL
1	Wilkins Tract Rd	Lakeville	Hole	Dig and Replace	\$ 7,000.00	
			Root ball	In Driveway		\$ 7,000.00
2	Wilkins Creek ROW	Lakeville	Hole	Dig and Replace	\$ 6,000.00	
						\$ 13,000.00
3	Commercial St	Village of Livonia	Roots	Clean Roots & Link pipe	\$ 6,000.00	\$ 19,000.00
4	Commercial St/ Ward Ave.	Village of Livonia	Rock Punctured through pipe	Dig and Replace In Road	\$ 9,000.00	\$ 28,000.00
5	West Lake Rd	West Side	3 Holes w/ roots	Dig and Replace	\$ 5,000.00	\$ 33,000.00
6	West Lake Rd	West Side	Circumferential cracks/ roots	Dig and Replace In Driveway	\$ 6,000.00	\$ 39,000.00
7	Upper Big Tree	Village of Livonia	leaking/ cracks	Remove Protruding Tap Reline Grout 5 Laterals	\$ 19,845.00	\$ 58,845.00
8	Dacula Shores Dacula Shores	South End South End	Manhole Damage	Replace MH		
					\$ 10,000.00	\$ 68,845.00
9	West Lake Rd	West Side	Crack	Link Pipe	\$ 6,000.00	\$ 74,845.00
10	Main St	Village of Livonia	Water Service Through Sewer	Replace damaged sewer & Replace water service	\$ 15,000.00	\$ 89,845.00
11	Main St	Village of Livonia	Mineral Deposits	Clear Deposits & Reline Grout 3 Laterals	\$ 17,945.00	\$ 107,790.00
12	Wilkins Tract Rd	Lakeville		Link Pipe Repair Lateral	\$ 9,000.00	\$ 116,790.00
13	Summer St	Village of Livonia	Cracks/ Leaks	Reline & Grout 3 Laterals		
	Summer St	Village of Livonia	Leaks	Reline & Grout 7 Laterals		
	Summer St	Village of Livonia	Cracks	Reline & Grout 5 Laterals		
	Summer St	Village of Livonia	Cracks/ Leaks	Reline & Grout 4 Laterals	\$ 85,745.00	\$ 202,535.00



February 22, 2016

Catherine VanHorne, Executive Director
Livingston County Water & Sewer Authority
1997 D'Angelo Drive
Lakeville, NY 14480

**RE: LIVINGSTON COUNTY WATER AND SEWER AUTHORITY
2016 COLLECTION SYSTEM REPAIRS – EARLY WARNING SYSTEM**

Dear Cathy:

We have completed our review of the proposals received for the above referenced project. The proposal was based on the equipment from Mission Communications and includes the installation of devices in select areas of the Lakeville sanitary sewer collection system to provide early warning of imminent sanitary sewer surcharges enabling preventative action before these surcharges occur.

The proposed devices include tipping bucket style rain gauges to measure and alert for elevated levels of rainfall intensity and manhole level sensors to measure and alert for elevated sanitary effluent elevations.

The received proposal summary is shown in the table below.

Bidder	Base Bid
Sergi Construction, Inc	\$18,225.00

Based on our review of the proposals, we offer the following for consideration:

1. Requests for proposals were sent to four (4) companies.
2. One (1) proposal was submitted on the sewer early warning system, which included the installation of three (3) tipping bucket style rain gauges and three (3) manhole level monitors with cell antenna.
3. The connection of the rain gauges to the LCWSA SCADA system and manhole monitors to a cellular network will be completed outside of this contract.

The manhole monitors will require a one-time new account set-up fee of \$250 (includes all monitors) and an annual service package which is quoted as \$277.40 each. This price includes the cellular contract. A total annual cost of \$832.20 would be required for the three (3) manhole locations.

The integration of the rain gauges to the SCADA system will require coordination with Optimization Technology.

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Catherine VanHorne, Executive Director
Livingston County Water & Sewer Authority
February 22, 2016
Page 2 of 2

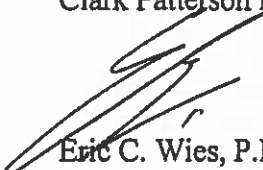
4. The proposal deadline was February 16, 2016 at 12:00 p.m.
5. Clark Patterson Lee has coordinated with Sergi Construction on multiple municipal projects.

Based on the above, it is our recommendation that the Authority award the contract to Sergi Construction, Inc for the total price of \$18,225.00.

If you have any questions or require any additional information, please contact me at 800-274-9000 extension 1098.

Very truly yours,

Clark Patterson Lee



Eric C. Wies, P.E.
Principal Associate



Livingston County Water & Sewer Authority
1997 D'Angelo Drive
PO Box 396
Lakeville, NY 14480
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Catherine VanHorne
Executive Director

To: LCWSA Board

From: Catherine VanHorne

Re: 10 year Capital Plan

Following please find the updated 10-year capital plan for the LCWSA. The Plan utilizes a scoring system as follows: 1. Health and Safety issues; 2. Permit or regulations requirements; 3. Projects necessary for current operations; 4. Projects that will save money; 5. Projects not necessary for operations but will improve operations; 6. Projects to expand or grow. The electronic version that was emailed with the agenda has tabs that contains all the cost estimates.

I would like to take comments from the Board on any plan adjustments.

Capital program 2017

est #	Description	Costs
18	Inline Gate Installation - Hemlock Water System	\$30,400.00
1	Collection System Inflow and Infiltration	\$80,000
39	Automatic Flusher - South Avon	\$12,400.00
24	Roof Replacement - Administration Building and Digester Building	\$57,700.00
45	Digester Cover Inspection and Rehabilitation	\$49,900
46	Jet Mix Digester Mixing System - 3rd Nozzle	\$65,000
	TOTAL	\$295,400.00

Capital program 2018

est #	Description	Costs
1	Collection System Inflow and Infiltration	\$80,000.00
37	Influent Building Heating System Upgrades	\$80,100.00
23	Lakeville WWTF Energy Upgrades	\$30,400
21	Replacement of Plant Water Systems and Hydrants	\$96,100.00
30	Methane Tank and Trickling Filter Steps - Lakeville WWTF	\$5,200.00
56	Methane Tank Painting - Lakeville WWTF	\$54,300
31	Collector Motors and Drives - Lakeville WWTF	\$43,300.00
	TOTAL	\$389,400.00

Capital program 2019

est #	Description	Costs
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This is an Equal Opportunity Program. Discrimination is prohibited by Federal law. Complaints of discrimination may be filed with USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Ave., SW, Washington, DC 20250-9410

28	Empty Reed Bed - Lakeville WWTF	\$46,200.00
44	Gas Room Controls - Lakeville WWTF	\$42,700
42	New Heat Exchanger - Methane Conversion - Lakeville WWTF	\$200,500.00
1	Collection System Inflow and Infiltration	\$80,000
	TOTAL	\$369,400.00

Capital program 2020

est #	Description	Costs
36	Fencing - Niver Road Water Tank	\$25,400.00
27	Gorman Rupp Enclosure Replacement	\$17,300.00
27	Gorman Rupp Enclosure Replacement	\$17,300.00
27	Gorman Rupp Enclosure Replacement	\$17,300
40	SCADA System - Sewer Pump Stations	\$46,600.00
41	SCADA System - ARS Water Pump Station	\$17,100.00
52	Stone Hill Road Water Services	\$79,400.00
	TOTAL	\$220,400.00

Capital program 2021

46A	ARS Redundant Water Main Crossing (Option A)	\$54,200.00
47	Supernatant Pumping - Secondary Digester to Reed Bed	\$41,600.00
48	Laboratory Countertops & Cabinets	\$13,800.00
49	SCADA Sewage Treatment Plant	\$83,800.00
50	Removal of Drainage from Digester Building	\$14,500.00
51	Drainage - Lakeville Tank	\$31,800.00
1	Collection System Inflow and Infiltration	\$80,000
	TOTAL	\$319,700.00

Capital program 2022

est #	Description	Costs
43	Automatic Louvers - Generator Buildings	\$86,600.00
57	Lakeville (Big Tree /20A) Water Tank - Overflow Pipe Extension	\$21,700.00
58	Sludge Pipe - Lakeville WWTF Administration Building	\$38,300.00
60	Digester Building - Air Exchanger	\$37,100.00
61	Link-Pipe Installation Equipment	\$35,700.00
38	Distributor (Splitter) Box Trickling Filter - Lakeville WWTF	\$83,800.00
1	Collection System Inflow and Infiltration	\$80,000
	TOTAL	\$383,200.00

Capital program 2023

est #	Description	Costs
16	Sludge Tank - Option 2	\$422,600.00
0	Painting and Installation of Mixing System	\$0.00
	TOTAL	\$422,600.00

Capital program 2024

est #	Description	Costs
13	NYS Route 15 Water Main Replacement	\$427,000.00

		TOTAL	\$427,000.00
Capital program 2025 and 2026			
est #	Description		Costs
53	Lake Station Pump Replacement		\$599,900.00
		TOTAL	\$599,900.00
Capital program 2027			
est #	Description		Costs
32	Sliker Hill Tank Site Improvements		\$6,200.00
26	4-Inch Adams Road Water Main Replacement		\$194,200.00
		TOTAL	\$200,400.00



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Catherine VanHorne
Executive Director

To: LCWSA Board Members

From: Catherine VanHorne

Re: Lakeville Treatment Plant Upgrades

Date: February 10, 2016

The LCWSA is in receipt of funding from the Environmental Facilities Corporation (EFC) thru the Clean Water State Revolving Loan Fund (CWSRF) for upgrades to the Lakeville treatment plant. The LCWSA has recently completed the Chemical and Biological analysis of the Conesus outlet as part of the SPEDES permit renewal process. In anticipation of the potential impacts that may come from the permit renewal process, the LCWSA undertook an engineering study that evaluated the upgrades necessary to meet potential permit requirements. The evaluation looked at options to close the plant and consolidate services with the Village of Avon. The most cost efficient method of treatment was found to be upgrades at the Lakeville plant. See attached spreadsheet. The report was submitted for funding, and EFC is requiring:

1. Completed application
2. Bond Resolution
3. Environmental review

Attached is the Bond Resolution and the Sixth Supplemental resolution for the project total.



RE: Questions

Eric Wies

to:

Dave Lefeber, wharold_stewart@hotmail.com, sbeardsley@tompkinsfinancial.com, tander5@rochester.rr.com, dkriewall@gmail.com, 'Phil Brooks', tanderson@donallenagency.com, 'fmiller', cvanhorne@co.livingston.ny.us, jim@krukandcampbell.com

02/24/2016 06:34 AM

Hide Details

From: Eric Wies <EWies@ClarkPatterson.com> Sort List...

To: Dave Lefeber <dlefeber@avon-ny.org>, "wharold_stewart@hotmail.com" <wharold_stewart@hotmail.com>, "sbeardsley@tompkinsfinancial.com" <sbeardsley@tompkinsfinancial.com>, "tander5@rochester.rr.com" <tander5@rochester.rr.com>, "dkriewall@gmail.com" <dkriewall@gmail.com>, 'Phil Brooks' <phil@pandcg.com>, "tanderson@donallenagency.com" <tanderson@donallenagency.com>, 'fmiller' <fmiller8@rochester.rr.com>, "cvanhorne@co.livingston.ny.us" <cvanhorne@co.livingston.ny.us>, "jim@krukandcampbell.com" <jim@krukandcampbell.com>,

3 Attachments



Figure 12.pdf Force Main to Avon Est.pdf Report July 2015 w Figures & Appendices.pdf

All good questions. I will do my best to answer them below in red. I did attach a PDF of the entire report, which should help explain some things.

Note I did clarify the designations of the various options, just to avoid any confusion with the report.

From: Dave Lefeber [<mailto:dlefeber@avon-ny.org>]

Sent: Monday, February 22, 2016 6:20 PM

To: wharold_stewart@hotmail.com; sbeardsley@tompkinsfinancial.com; tander5@rochester.rr.com; dkriewall@gmail.com; 'Phil Brooks'; tanderson@donallenagency.com; 'fmiller'; Eric Wies; cvanhorne@co.livingston.ny.us; jim@krukandcampbell.com

Subject: Questions

After receiving the spreadsheet dated Nov. 2014 with four options I had some questions before I vote on the 5.6 million dollar bond resolution.

Option 4 **actually Alternative 3 (Option 2) on the table –**

- 1.) Break down of force main – size – route – distance to come up with 4 million dollar cost. **The attached Figure 12 shows the proposed route. The detailed cost estimate is also attached. The estimate is based on a 16-inch force main.**
- 2.) \$3,190,000 for new equalization tank – can current equalization tank be used if no treatment occurs at the current plant? **The Lakeville WWTP does not have an equalization tank. Currently the biggest tank on-site at the Lakeville WWTP is the 500,000 gallon sludge tank, which is not big enough to handle the peaks that we would need to contain. The only other option would be to use all of the various tanks on-site (sludge tank, 2 digesters, 2 primary clarifier, 2 final clarifiers, etc..), which equates to around 2 million gallons total. We assumed 5 million gallons would be required, so we don't have enough volume on site. Plus using multiple tanks would be very difficult operationally.**
- 3.) Should all \$3,000,000 for WTP at Village of Avon be borne by LCSWA? **At the November 19, 2014 LCWSA Board Meeting we were told by John Barrett that the Village's general policy was**

to require the developer, in this case the LCWSA, to pay for any upgrades needed at their facility. This is the common policy among most municipalities.

4.) Breakdown on \$150,000 pump station. The \$150,000 is related to the operational expenses required to operate and maintain the pump station at the Lakeville WWTP, sending flows to Avon. The building that would be used is the influent building. We would maintain the operation of the grit collection and fine screen. The pumps and controls would need to be upgraded to handle the higher pressures. We project pumps with 100hp motors would be required and an estimated \$50,000 in electrical annually. We anticipate on average 20 hours per week for operation and maintenance of the pump station and force main, equaling around \$40,000. The remaining expenses include admin costs, maintenance costs (oil, parts, replacement pumps, etc...), and other utilities (gas, phone, etc...).

5.) Last time you talked to Village of Avon to get \$580,000 treatment costs? We used the rate of \$1.62 per 1,000 gallons that the LCWSA is charged for the current flows (from the Town of Avon) that are treated by the Village.

O&M Option 1 (Alternative 1)	\$440,000 to treat 10# ammonia/day .5 mg/L phos.
Option 4 (Alternative 3)	\$533,00 to treat to 30 mg/L BOD 30 mg/L TSS

Why is Option 4 higher when Option 1 treats to a higher standard? I've been told the Village of Avon plant has the least stringent regulations to outfall granted to by DEC. Primarily because we would need to continue to operate a portion of the Lakeville WWTP (\$150,000 + \$25,000), plus pay for the treatment at the Avon WWTF (\$360,000). Avon does have less stringent standards, but Alternative 1 assumed the existing annual O&M costs of \$365,000, plus another \$75,000 to account for chemicals, more sludge, additional equipment etc... See page IV-38 of the report for more detail on the \$75,000. Note, we do anticipate the limit for ammonia will actually be above 20 lbs/day.

Future growth of area – Gateway Road, Lakeville area – what increase of water flow past plant on outlet is needed to meet regulations currently outlet TMDL Genesee River regulated by watershed management plan which suggests less future stringent regulations.

River has 60-160 million gallons pass each day. I don't know what the permit lists for water past the plant on outlet. A little confused by the question, but will do my best to answer. The permit for the Lakeville WWTP required us to maintain 10 CFS, which is around 6.5 mgd. The permit limits are based on a number of factors including the flow in the Creek. We currently have 370,000 gpd of available capacity for projects like Gateway under the current permit. While not guaranteed, we should be able to obtain a revised permit for a flow rate higher than 980,000 gpd should Gateway require more capacity. This would require some additional work at the Lakeville WWTF to account for the higher flows, but additional work would also be anticipated for the force main and Avon WWTF.

Thanks for your bearing with me and your input on this.

Dave

David LeFever

Avon Town Supervisor

23 Genesee Street

Avon, NY 14414

Phone: 585-226-2425 ext.12

fax: 585-226-9299

e-mail: dlefeber@avon.ny.org

Operations Annual Report

Customer work orders – Staff serviced 528 customer work orders in 2015. Customer work order examples are: re-reading meters, fixing meters, shutting off and turning on water, and thawing out frozen services. This is a 4% increase from last year.

UFPO - Staff responded to 818 UFPO contacts in 2015. UFPO is the system that assures that excavations are safe, with all utilities required to stake out their facilities in areas near excavations. This is a 7% increase from last year.

Generator Maintenance - Penn Power received the maintenance work for a two-year period starting in 2014. Maintenance was conducted in 2014 of all the generators. The following is the additional work Penn Power conducted for the LCWSA in 2015.

1. A new block heater was installed in 6w.
2. The generator at 4e had the ignition coil and ignition control module replaced.
3. A new battery and battery charger was needed at the Main Water generator at the Hemlock pump station.
4. A new Transfer panel was installed by Colacino Industries at the Groveland Station lower tank.
5. Demand Response – required generators to run on August 27th.
6. Staff replaced batteries and block heaters on preventative maintenance plan. Block heaters were added to the battery replacement program recently, due to being a point of failure. 3e was replaced, as was 6e.

The Groveland Station plant and the batteries in the SPS Mt. Morris are still in Q.

Electrical Maintenance – PSEC received the work for Electrical Maintenance at the outbound sewer station sites, and the Lakeville and Groveland Sewage treatment plants for 2015. PSEC inspected and conducted preventative maintenance on all the electrical components in the area assigned. The following other electrical deficiencies were corrected in the system:

1. Pease Pump station – Connectors at pole replaced.
2. Adams Rd. Pump station – Replaced breakers.
3. 5e Pump station – Short in floats.
4. Lakeville plant – Replaced motor on ventilation system.
5. Ventilation motors replaced at 5e and 11w pump stations.

Boiler Maintenance – Boiler Maintenance was conducted by LMC contracting. The following other boiler deficiencies were corrected in the three boilers:

1. Digester Boiler - Installed a new strainer and regulator.
2. Digester Boiler - Installed new stainless steel vent piping.
3. Digester Boiler - Bell and Gossett motor replaced.

Capital project - Both boilers in the administrative building and the shop were replaced due to no available parts for the boilers anymore.

Lawn, Landscape Maintenance and Pest control – Quality Lawn and Landscape received the 2015 mowing bid. This bid covers 53 mowing sites, over a mile of creek bank on the outlet, and the approximately 10 acres of maintained lawn at the Lakeville plant. Ted Collins Tree and Landscape maintains many areas along fence lines and areas that cannot be mowed. Anthony Liccione conducts woodchuck, vole, snake, bees and skunk removal.

Calibration –

1. Hach Company calibrated 7 chlorine analyzers twice per year.
2. Cold Spring Environmental calibrated 7 flow meters.
3. Cold Spring Environmental calibrated the Gas monitoring system in entrance chamber.

SCADA/Controls work – OTI completed the following work:

1. OTI integrated a HMI (human/machine interface) for the Pleasant Street pump station;
2. A new six-net Verizon cellular router was installed at the Conesus tank;
3. A new level transmitter was installed in the Lakeville tank.

Capital project – Optimization worked on Phase 5 of the controls upgrade project. This project includes engineering, equipment, programming, installation, and start-up at the 5 Groveland Station sewer and water sites. The program replaced the Bristol Babcock controls in all the sites. Also completed were radio upgrades at the Groveland 911 tower, Sliker Tank and the Conesus tank.

Cathodic protection maintenance – Corpro installed and started the new Cathodic protection on Niver Road tank.

Regulatory Inspections

1. Army Corp. of Engineers completed the annual inspection. Report is still outstanding.
2. DOH – Inspection of water facilities – The facilities were generally found to be in good shape and in compliance.
3. DEC – Conducted the 3-year inspection for the above and below ground fuel tanks. Everything was found in good order.
4. DEC – Inspection of the Groveland Station treatment plant.

Water and Sewer - Main and Service Repairs - Fineline Construction and Morsch Pipeline both had agreements with the LCWSA to provide main and service repairs when staff cannot do the job.

Morsch Pipeline	Fineline Construction	Staff
11 services were frozen this year with the extreme temperatures.	Lateral repair 4876 Stone House Drive	Coordinate repairs on Fowlerville Road, where the road was washed away.
Installation of Backflow protection for overflow issue areas. Camp Run and Rochester Road.	Lateral repair 5457 E. Lake Road	Service saddle replaced in South Livonia
	Sewer lateral installed - 4762 East Lake Rd	5 water main breaks in Conesus
	Sewer lateral installed - 5780 West Lake Rd	Repaired leak on Railroad Ave and re-tapped old highway facilities.
	Water service installed - 6073 Wyndemere	Service repaired 5571 West Lake Road .
	Sewer lateral installed - 6073 Wyndemere.	Water service repaired Village of Livonia.
	Water service installed - 4367 Fowlerville Rd	17 West Ave – Cleanout repaired.
	Sewer lateral installed - 5905 West Lake Rd	
	Sewer lateral installed - Polebridge Rd	
	Water service installed - 6092 East Lake Rd.	
	Sewer lateral installed -6092 East Lake Rd	
	Sewer main repair – Pennemite Rd	

Water and Sewer services – In 2015, the LCWSA processed 10 cap-off permits that resulted in a decrease in units. The cap-off permit is issued to customers who are demolishing or removing a served house or business. The 10 permits discussed here are the ones that resulted in a permanent removal from the system. The LCWSA also activated 11 new accounts this year. These are accounts that either had a new water and/or sewer connection to the LCWSA system.

Hydrant and Valve maintenance and repair – Building Maintenance person painted hydrants throughout the water system. The following hydrants were repaired:

1. Repaired 2 hydrant damaged by plows – Lakeville
2. Replaced 2 hydrants in Caledonia #3
3. 4 valves in Conesus
4. 1 valve in Hemlock

Curb box repair and location – Curb box locations took place in the following service areas: Lakeville, Conesus, East Lake Road and Groveland Station. 10 curb boxes were replaced this year.

Leak Detection – Staff conducted leak detection in the following service areas: Hemlock, South Livonia, south end of East Lake, Conesus and Groveland. Three leaks were found in Conesus. NY Rural Water Association performed leak detection on West Lake Groveland, hamlet of Conesus, Lakeville, South Livonia, East Lake.

Flushing – Flushing was conducted in the following service areas: Village of Livonia, East Lake, ARS, Groveland Station, Scottsburg, Middle Rd, Caledonia 3, South Avon, Lakeville and Conesus. Hydrant and valve maintenance was conducted at the same time as flushing.

Meter reading – For the first quarter of the year, staff read meters in areas only in the Village of Livonia and businesses. The last three quarters, all meters were read. This year, 114 meters were replaced during the billing cycle.

Automatic Valve Maintenance and Repair - Fluid Kinetics rebuilt the valve at the Hemlock tank. Ross Valve technicians conducted maintenance on the 21 automatic valves in the water and sewer system. Ross Valve rebuilt 2 valves and replaced a check valve. Ross Valve replaced the valve at the Hemlock tank, at the 20A vault, and at the Sliker Hill tank.

Water Tank Inspection – Pittsburgh Tank inspected the Lakeville and Sliker Hill Road Tanks. Tanks are generally in good condition; however several items should be accomplished the next time the tanks are taken out of service for painting. 1. Roof vents should be replaced. 2. Interiors cleaned out. 3. Install mixing equipment. 4. Overflow piping on the Lakeville tank should be brought to the ground.

Solar Bee – completed the annual maintenance on the Shelly Road tank mixing equipment.

Capital Project – The Niver Road tank exterior was painted in 2015. Also added to the project was the re-installation of cathodic protection. Niagara Coatings completed the job – Contract price \$37,177. Total budget - \$41,000.

Lost Water – Overall lost water rate is 18% per 2014 water quality report.

RPZ (reduced pressure zone) Program – LMC tested and repaired the 10 units that belong to the LCWSA. LMC also follows up with LCWSA customers that have not had their annual inspection. This program has

nearly 100% participation from the customers with testable backflow prevention devices, due to the efforts of office staff in conjunction with Operations.

Water Sampling and testing –

1. April samples in South Avon and Hemlock service area had Total Coliform issues; re-sampling cleared the issue. Additional samples were taken in May as a precaution.
2. Lead and Copper sampling was completed in this year at 5 residences in the WR Service area. No lead issues were discovered.
3. Customers in the Groveland Station service area were put on a Boil Water Advisory on the 12th of September - both tanks were emptied and chlorinated. Advisory was lifted on September 16th.
4. TTHM Notifications for the 1st and 2nd quarter were issued for the Groveland West Lake Road service area. Due to the issue with the TTHM levels being beyond the MCL, the EPA has issued an Administrative Order. The LCWSA submitted a Corrective Action Plan to improve the water quality. The LCWSA has been implementing the plan and is in compliance for the third and fourth quarters this year.

Wet well and Manhole maintenance -

1. O'Brien's Septic cleaned 2 wet wells.
2. Staff cleaned 7 wet wells.
3. Staff sealed 3 manholes that were leaking.

Sludge hauling and disposal

1. O'Brien's Septic pumped out 2 wet wells and the sludge holding tank at Groveland Station.
2. Dicksons Environmental Services Inc. hauled and land-spread approximately 88 tons of sludge from the Plants.

Sewer Cleaning and televising

1. Staff cleaned and televised the section from 1w-3w on West Lake Road.
2. National Water Main Cleaning Company cleaned and televised the A-line (north end) of the Lake system. LCWSA equipment cannot televise the big main in the A-line.

Changing oil in pumps – Staff changed oil in 46 pumps in the following service areas: Conesus, Groveland, Leicester, and West Lake Road.

Gauging stations and shimming pumps – 46 pumps in 23 stations in the following service areas were gauged and shimmed by staff: Conesus, Groveland, Leicester and West Lake Road.

Due to pump run times being off, the following pump was gauged and shimmed also: 5w

Location and adjusting of Manholes – Staff inspected manholes in the following service area: West Lake Road = 233 manholes.

Smoke Testing – Staff smoke-tested the Avon/Lakeville system. As a result, repaired manholes and replaced clean-out caps where missing.

Sewer System Overflows –

1. Camp Run Drive - During a severe rain event on June 14th the manhole at Camp Run Drive overflowed. 2015 efforts to stop the overflow issue are:
 - a. Educational material regarding illegal connections was sent to all customers and continues to be on the back of quarterly billing.
 - b. An amnesty program was implemented, with anyone wishing for an internal plumbing inspection.

- c. Requests for proposals were sent to engineers, plumbers, code enforcement officers and other who might be interested in implementing an internal plumbing inspection program for the LCWSA. No proposals were received. This effort was tried again with the RFP for the operations for the treatment plants. Again no takers.
 - d. Staff die-tested the Village of Livonia Storm water system to determine if there are interconnections between storm water and sanitary sewer. One interconnection was found.
 - e. LCWSA committed to hiring a person to conduct the internal plumbing inspection program in 2016.
2. Adams Road Pump station – caused by a controller issue.

Inflow and infiltration projects – Staff smoke-tested the Avon/Lakeville system. No bid projects were completed this year. Re-evaluation of Database and 28 pipe sections were identified for repair. Bid documents to be prepared early in 2016.

Level Controls Replaced - No program schedule for 2015.

Motor belts – Replacement program is every 5 years - the belts will be replaced in the sewer pump stations. The areas completed in 2015 were Mt. Morris, Avon Lakeville, Leicester, and Hemlock.

Pump Stations rehabilitation –

1. Staff repaired airline in 8e.
2. Inside of the lake stations were all painted.
3. PSEC repaired the ventilation in 5e and 11w.
4. Staff replaced rotating unit and both flapper valves in Livonia Center sewer pump station.
5. 11w power supply to controller was replaced by Cyclops Process equipment.
6. KBH rehabilitated station 14w.
7. PSEC and Staff replaced motor at the ARS water pump station.

Permit – The Lakeville Treatment Plant SPDES (State Pollution Discharge Elimination System) permit was finalized in March of 2014 with the current ammonia discharge limit and no phosphorus limit. The Quality Assurance Project Plan (QAPP) for monitoring the creek was approved by the NYSDEC, and the first and second year of monitoring was completed. The monitoring results for the two-year test period will determine the final permit requirements. Testing results were submitted to the NYSDEC.

Lakeville Treatment Plant Activities

1. In September of 2014, one of the two Plant Operators left for another plant. In March of 2015, the 2nd plant operator left for another job. YAWS Environmental Process Control, Inc (YAWS) provided Licensed Operators to staff the two treatment plants. It was decided to stay with contract services. After the request for proposals process was completed, YAWS was selected to continue operations at the treatment plants, and a contract for up to 4 years was signed in October 2015.
2. Intermediate Clarifier chain was repaired by Staff and YAWS.
3. 14 concrete planks were replaced in the sludge drying beds by Staff and YAWS.
4. New Plant water pump was installed by YAWS.
5. New influent sampler was installed in entrance chamber.
6. Grit pump motor installed by YAWS.
7. Digester Boiler - LMC rehabilitated the boiler and regulators.

Capital Project – Digester Building brick repair – This project repaired the brick facing on the digesters and building. Contractor was Highland Masonry. Total cost - \$39,950.00

Capital Project – Shop Slide Gates – This project installed a flood barrier to the Shop overhead door area and main door. Contractor was CP Ward – Total cost - \$20,550.00

Groveland Station Treatment Plant Activities

1. Colacino Electric installed a new control panel for the sludge bagger.
2. DEC issued an administrative renewal permit.

Capital Project – Sludge Building for the sludge bagging machine - This project enclosed the sludge bagging machine. Contractor was Steel Built Construction – Total cost - \$44,107.26

Fixed Assets – Sewer cleaner was sent to auction, and a replacement was purchased for \$51,610.00.

Personnel

Training

1. Drug and Alcohol Training for Managers
2. CPR and Bloodborne Pathogens – Operations Staff
3. Water License training.
4. Confined space – Operations staff
5. Budget training seminar – Management staff
6. Work Place Violence, Sexual Harassment, Red Flag and Whistleblower completed by all staff.

Emergency Call out

2015 callout hours is 472 hours = \$16,250

Changes in Personnel

Steve Carroll resigned his position as Sewage treatment Plant Operator in March 2015. YAWS Environmental Process Control Inc. took over operations of the two Wastewater Treatment Plants under contract.



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Catherine VanHorne
Executive Director

To: LCWSA Board Members

From: Catherine VanHorne

Re: Conflict of Interest

Date: February 10, 2016

The NYS Authority Budget Office (ABO) recently posted recommended Governance Practices bulletin to encourage consideration and incorporation into the management policies a Conflict of Interest Policy. The Board referred staff to the Audit team. The LCWSA Audit Team has recommended that the current code of ethics policy be reviewed and updated in light of the ABO guidance. The Audit team recommended reviewing the guidance policy to both the LCWSA's Code of Ethics and the Livingston County Ethics and Disclosure Law, which also governs the actions of the LCWSA Board and employees.

I am undertaking that comparison right now and will report what I find to the Board at the meeting.



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Catherine VanHorne
Executive Director

To: LCWSA Board

From: Catherine VanHorne

Re: Internship

Date: February 15, 2016

J. Neil Stalter has approached me for an internship this summer. Neil lives on East Lake Road and is a student of Ecology and Evolution with a focus in hydrology at the University of Rochester. The LCWSA does have some work that a student intern would be good at. The following would be Neil's tasks:

1. I have made arrangements to borrow the County Highway Departments GPS unit for the summer, and Neil will be locating manholes, valves, hydrants and other infrastructure utilizing the GPS.
2. Neil will be updating the information in the asset database for the both plants and any above ground facilities that we have. This is information gathering process.
3. Neil will be working to update the mapping of our system by changing address and attaching service drawings to the electronic mapping.
4. Neil will spend some time shadowing our crews to get a feeling for water and sewer operations.

I have communicated with our insurance company regarding the internship and their response was positive. Darin Brady felt that we can allow Neil to utilize a truck

I would like the Board's consent to move forward on confirming his internship.

Board Financial Report
January 2016

Balance Sheet

Assets

Operating Cash (Operating Checking Account & General Reserve MM)

(Full Year Report Attached) *p. 4*

	Dec-15	Jan-16	
	Actual	Actual	
Cash on hand 1st of each month	\$ 4,079	\$ 4,081	
Cash Received			
Customer Billing	229	23	
Miscellaneous	2		
Debt/Project Related		19	EFC Draw for Clairifier Project
Grant/Contributions		15	Grant 1
Billing Services/O & M Services			
Relevy			
DOCCS			
Estimated Cash Receipts			
Cash Receipts			
Debt/Grant/Contrib Receipts			
Cash Balance before expenditures	\$ 4,310	\$ 4,138	
Utility Vouchers	54	66	
Operating Vouchers	134	83	
Grant Vouchers			
Project Vouchers	41	39	
Estimated Expenditures			
Utilities			
Operating			
Projects			
Cash Balance after expenditures	\$ 4,081	\$ 3,950	
Reserve Projects in Progress Budget Bal + Retainage	9061	9023	See Work In Progress <i>p. 6 a</i>
DOCCS Receivable	5625	5625	
Unallocated Cash Balance	\$ 645	\$ 552	

Work-In-Progress (WIP Report Attached)

Current Budget \$9,307,286
 Expenditures to Date \$ 414,436

Balance \$8,892,850 *p. 6 b*

Debt Reserve Cash

Beginning Balance	\$630,990
Admin Fees	\$3,037
Debt Bond Payments	\$26,421
Interest	\$15
Billing Activity	\$946
Ending Balance	\$602,493

p. 7 c

Accounts Receivable

	Service Fees	Debt	Relevy	Other	Total
Beginning Balance January	\$ 93,152	\$ 11,226	\$ 279,914	\$ 7,464	\$ 391,756
January Billing	\$ 11,366		\$ -	\$ -	\$ 11,366
Collected	\$ 20,492	\$ 838			\$ 21,330
Billing				\$ -	\$ -
Ending Balance January	\$ 84,026	\$ 10,388	\$ 279,914	\$ 7,464	\$ 381,792

p. 7 d

Capital Contributions Receivable (Current + Non-Current) – (No Significant Change)

As the Village of Geneseo's Supplemental water project debt decreases, the amount of principal paid is higher resulting in the lower principal balance due. This debt is currently paid quarterly to the Authority for a total collection of \$52,800 (principal & interest). Unless paid off early, this collection will continue until 2027. Each year this activity reduces Net Position by approx \$40,000.

Property & Equipment (net depreciation) – (No Significant Change)

Decrease is the cumulative effect of fully depreciating the Conesus Sewer District Assets. Most of that effect is completed for the 20-year depreciation assets. The next "chunk" will be in another 10 years, then 10 years after that the pipelines & other major infrastructure will also be fully depreciated.

3

LIABILITIES

Retirement Accrual-\$11,065

Statement of Revenues & Expenditures

Enclosed are the un audited December 2015 statements, p. 9

Revenues came in \$79,000 over budget-mainly due to Permit Fee's

Expenses: Over all came in \$114,000 under budget

Enclosed are January 2016 statements p. 8

Revenues January is a non billing month, current revenue shows a negative, this is from end of year accruals and reversing them in the new year. February is a billing month and January's revenue will be reflected then.

Expenses: Again you will see some negative numbers, this reflects 2015 payables being entered and reversed in the new year, also the bills were paid early for the month of January than they normally are.

Capital Contributions – nothing significant to report

Other-

Jan-16

	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	16-Mar	Apr-16
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Estim	Estim	Estim
Cash on hand 1st of each month	\$ 2,029	\$ 1,843	\$ 1,902	\$ 2,074	\$ 2,160	\$ 2,257	\$ 2,377	\$ 2,161	\$ 2,263	\$ 2,134	\$ 1,913	\$ 4,079	\$ 4,081	\$ 3,950	\$ 4,017	\$ 4,167
Cash Received																
Customer Billing	31	255	307	42	263	320	36	333	275	40	353	229	23			
Miscellaneous	1	1	1	0.5	3	3				9	5	2				
Grant/Project Related											61		19			
Gift/Contributions	7	13	43	15				13					15			
Engineering Services/O & M Services					33	13		33				46				
Inventory				219												
CCS												1875				
Estimated Cash Receipts																
Grant Receipts														277	300	45
Grant/Contrib Receipts															40	15
Cash Balance before																
Expenditures	\$ 2,068	\$ 2,112	\$ 2,253	\$ 2,351	\$ 2,459	\$ 2,593	\$ 2,413	\$ 2,540	\$ 2,538	\$ 2,183	\$ 4,253	\$ 4,310	\$ 4,138	\$ 4,227	\$ 4,357	\$ 4,227
Utility Vouchers	63	89	65	62	62	108	70	80	64	55	72	54	66			
Printing Vouchers	146	121	114	109	120	108	145	197	212	163	92	134	83			
Travel Vouchers				10	15				7							
Event Vouchers	16			10			37		121	52	10	41	39			
Estimated Expenditures																
Utilities														90	80	65
Operating														110	100	100
Projects														10	10	10
Cash Balance after																
Expenditures	\$ 1,843	\$ 1,902	\$ 2,074	\$ 2,160	\$ 2,262	\$ 2,377	\$ 2,161	\$ 2,263	\$ 2,134	\$ 1,913	\$ 4,079	\$ 4,081	\$ 3,950	\$ 4,017	\$ 4,167	\$ 4,052
Unallocated Cash Balance																
Unallocated Cash Balance	1039	1179	1177	1238	1323	1323	1271	1283	1207	8702	9099	9061	9023	9013	9003	8993
CCS Receivable										7500	5625	5625	5625	5625	5625	5625
Unallocated Cash Balance	\$ 804	\$ 723	\$ 897	\$ 922	\$ 939	\$ 1,054	\$ 890	\$ 980	\$ 927	\$ 711	\$ 605	\$ 645	\$ 552	\$ 629	\$ 789	\$ 684

6 of 2016 Budget Expenditures
= \$267,703

months budgeted expenditures
= \$445,000

In 2010 a sewer
infrastructure failure at
retainers in Lakeville resulted
\$296,300 in an unexpected
capital project.

Major billing months are
February, May, August,
November. The 2 months
between each billing month are
periods of low cash receipts.
- this reason an approximate
2 month expenditure value
could be available for budget
mobilization, when possible

Capital Projects In Progress Report

1/31/2016

Project Code	Project Name	Expenditures To Date	Budget	Budget Balance	Service Area	Funding	Financing	Date Began
DEBT & REIMBURSABLE PROJECTS								
1085	DOCCS Water Supply Project	41,305.09	7,500,000.00	7,458,694.91	33-WR	Prison Project w/b paying for this!		10/26/2011
Total Debt & Reimbursable Projects		41,305.09	7,500,000.00	7,458,694.91				
GENERAL RESERVE PROJECTS								
1040	Main Pump: motor, electrical, ventilation	100,082.89	389,160.82	289,077.93	32-SLV	Reserve		1/1/2012
043-5	Scada System Upgrade	47,673.00	82,000.00	34,327.00	33-WR	Reserve		1/1/2015
080-3	Collection System-Inflow & Infiltration repairs	28,850.00	257,825.00	228,975.00	33-SL	Reserve		1/1/2014
1095	Clarifier I-Beam Re-Coat	87,058.36	93,100.00	6,041.64	32SLV	Reserve		1/16/2013
1103	Alternate Water Supply Project-DOCCS	540.00	405,400.00	404,860.00	33-WR	Reserve		1/1/2014
1104	Lake Forest Water Main	3,039.60	102,000.00	98,960.40	33WR	Reserve		1/1/2014
1105	Stagel Park Water System Upgrade (Pine Tree)	3,033.35	120,400.00	117,366.65	33WR	Reserve		1/1/2014
1106	Niver Road-Overcoat Tank	40,826.15	58,000.00	17,173.85	33WR	Reserve		1/1/2015
	Crossroads Commerce Park Sewer			-		IDA matching Grant		10/28/2014
1108	Early Warning System/Pump	40,099.61	130,000.00	89,900.39	33SL	Reserve		8/28/2015
1109	Boiler Replacement-Plant & Admin Bldg	11,041.00	25,000.00	13,959.00	32SLV	REserve		10/28/2015
1110	Energy Conservation Program		24,400.00	24,400.00	32SLV	Reserve		9/23/2015
1111	Technology Upgrades	10,886.52	30,000.00	19,113.48	31WS	Reserve		9/23/2015
1112	Adams/Clay St-PS Upgrades	-	90,000.00	90,000.00	33SL	Reserve		1/1/2016
Total Reserve Projects		414,435.57	9,307,285.82	8,892,850.25	(b)			
Equipment(Fixed Assets)								
	2015 Budget-New Truck		24,500.00	24,500.00	33WS	Reserve		
	2015 Budget-Sewer Camera		80,000.00	80,000.00	33S	Reserve		
	2016 Budget-New Truck		26,000.00	26,000.00	33WS	Reserve		
Total Equipment (Fixed Assets)			130,500.00	130,500.00				
TOTAL OF ALL PROJECTS (a/c #1600) &		414,435.57	9,437,785.82	9,023,350.25	(a)			
15 Completed Projects/Purchased Equipment								
1097	20A Vault PRV	19,136.68	19,750.00	613.32	33WR	Reserve		1/16/2013
1102	GS Plant Improvements-Sludge Bldg Bagger	44,107.26	48,800.00	4,692.74	32SD	Reserve		1/1/2013
1060	South Lima-Void-Expensed 239.42	-	15,000.00	14,760.58				8/13/2015
1099	Buildings & Grounds Lakeville	12,726.00	20,000.00	7,274.00	32SLV	Reserve		1/16/2013
1107	Digester Bldg Brick Repair	39,950.00	42,000.00	2,050.00	32SLV	Reserve		1/16/2013
1098	Shop Slide Gates	20,550.00	23,000.00	2,450.00	32SLV	Reserve		1/16/2013
1062	2011 Lakeville WWTF - Project 11985	651,477.63	643,234.14	(8,243.49)	32-SLV	Cons Ord-ALT	ST EFC'09	9/22/2010

January 2016

Livingston County WSA
 Balance Sheet
 As of 1/31/2016
 (In Whole Numbers)

	<u>Current Year</u>	<u>Prior Year</u>	<u>Current Year Change</u>	<u>Beginning Year Ba...</u>	<u>YTD Change</u>
CURRENT ASSETS					
Operating Cash	2,118,323	1,840,859	277,465	2,064,785	53,539
Debt Reserve	602,494	568,019	34,475	593,626	8,868
Accounts Receivable	381,792	375,297	6,494	818,290	(436,499)
Capital Contributions Receivable	32,560	31,135	1,425	31,135	1,425
Inventory	8,475	12,205	(3,730)	9,591	(1,116)
Prepaid Expenses	42,823	53,600	(10,776)	61,091	(18,268)
Funds held for Others	31,693	30,964	728	30,121	1,571
Total CURRENT ASSETS	3,218,160	2,912,079	306,081	3,608,640	(390,480)
Total Current Assets	3,218,160	2,912,079	306,081	3,608,640	(390,480)
NON-CURRENT ASSETS					
Restricted Cash	2,011,528	257,725	1,753,803	257,725	1,753,803
Capital Contrib Receivable, net current	429,316	461,876	(32,560)	461,876	(32,560)
Property & Equipment, Net Deprec	23,815,014	23,980,566	(165,552)	24,060,346	(245,333)
Work-In-Progress	414,436	892,716	(478,281)	864,488	(450,052)
Total NON-CURRENT ASSETS	26,670,294	25,592,884	1,077,410	25,644,436	1,025,858
Total Non-Current Assets	26,670,294	25,592,884	1,077,410	25,644,436	1,025,858
TOTAL ASSETS	29,888,454	28,504,963	1,383,491	29,253,075	635,378
CURRENT LIABILITIES					
Accounts Payable	44,259	74,957	(30,697)	162,682	(118,423)
Current Portion Loans Payable	144,417	144,417	0	144,417	0
Other Current Liabilities	17,634	57,237	(39,603)	172,199	(154,565)
Funds held for others	31,676	30,966	710	30,123	1,553
Total CURRENT LIABILITIES	237,987	307,577	(69,590)	509,422	(271,435)
Total Current Liabilities	(237,987)	(307,577)	69,590	(509,422)	271,435
NON-CURRENT LIABILITIES					
System Revenue Notes Payable	4,338,708	4,485,433	(146,725)	4,485,433	(146,725)
Total NON-CURRENT LIABILITIES	4,338,708	4,485,433	(146,725)	4,485,433	(146,725)
Retained Earnings & Net Position					
Retained Earnings	(24,258,221)	(24,701,410)	443,189	(24,258,221)	0
Net Income	(1,053,538)	989,457	(2,042,995)	0	(1,053,538)
Total Retained Earnings & Net Position	(25,311,759)	(23,711,953)	(1,599,807)	(24,258,221)	(1,053,538)
TOTAL NET POSITION	29,888,454	28,504,963	1,383,491	29,253,075	635,378

1

January 2016

Livingston County WSA
 Statement of Revenues and Expenditures - Unposted Transactions Included In Report
 From 1/1/2016 Through 1/31/2016
 (In Whole Numbers)

	YTD Actual	YTD Last Year Actual	Current Year Change	Current Year % Change	Total Budget	Total Budget Variance	Percent Total Budget Remaining - Original
OPERATING REVENUE							
Retail Fees	(395,436)	(385,506)	(9,930)	2.58	2,416,643	(2,812,079)	(116)%
Wholesale Fees	576	1,303	(728)	(55.83)	175,664	(175,088)	(100)%
Permit Fees	0	160	(160)	(100.00)	15,869	(15,869)	(100)%
O&M Services	8,483	0	8,483	100.00	138,393	(129,910)	(94)%
Other Income	216	(748)	964	(128.93)	45,959	(45,743)	(100)%
Total OPERATING REVENUE	(386,161)	(384,791)	(1,370)	0.36	2,792,528	(3,178,689)	(114)%
OPERATING EXPENSE							
Wages	(7,777)	19,839	(27,616)	(139.20)	556,358	564,135	101 %
Overtime	147	1,586	(1,438)	(90.71)	29,646	29,499	100 %
Fringes	28,056	30,351	(2,295)	(7.56)	374,581	346,525	93 %
Professional Services	4,109	5,071	(962)	(18.98)	254,888	250,779	98 %
Utilities	2,842	(794)	3,636	(457.96)	285,555	282,713	99 %
Vehicle Expense	0	2,000	(2,000)	(99.99)	35,540	35,540	101 %
Equipment Expense	(7,501)	670	(8,172)	(1,218.92)	46,031	53,532	116 %
Building Expense	(1,684)	(2,652)	968	(36.51)	341,643	343,327	100 %
Purchased Water/Sewer	(14,798)	(4,606)	(10,193)	221.32	559,246	574,044	103 %
Customer Installations	0	1,058	(1,058)	(100.00)	25,443	25,443	100 %
Permits, Inspections	89	0	89	100.00	16,615	16,526	99 %
Other Expenses	354	1,370	(1,016)	(74.19)	37,556	37,202	99 %
Total OPERATING EXPENSE	3,837	53,893	(50,056)	(92.88)	2,563,102	2,559,265	100 %
GAIN/LOSS BEF DEPRECIATION	(389,998)	(438,684)	48,686	(11.10)	229,426	(619,424)	(270)%
DEPRECIATION EXPENSE							
	(80,718)	(79,781)	(938)	1.18	0	(80,718)	0 %
NON-OPERATING REVENUE/EXPENSE							
Non-Operating Income	(43,360)	(25,483)	(17,877)	70.15	273,965	(317,325)	(116)%
Non-Operating Expense	(4,403)	(3,268)	(1,135)	34.73	(78,455)	74,052	(94)%
Grant Expense	0	(6,072)	6,072	(100.00)	0	0	0 %
Total NON-OPERATING REVENUE/EXPEN...	(47,764)	(34,823)	(12,940)	37.16	195,510	(243,274)	(124)%
NET GAIN/LOSS BEF CONTRIB	(518,480)	(553,288)	34,808	(6.29)	424,936	(943,416)	(222)%
CAPITAL CONTRIBUTIONS							
Grant & Donation Revenue	15,000	7,020	7,980	113.67	0	15,000	0 %
Total CAPITAL CONTRIBUTIONS	15,000	7,020	7,980	113.67	0	15,000	0 %
CHANGE IN NET ASSETS	(503,480)	(546,268)	42,788	(7.83)	424,936	(928,416)	(218)%



December 2015

Livingston County WSA
 Statement of Revenues and Expenditures - Unposted Transactions Included In Report
 From 12/1/2015 Through 12/31/2015
 (In Whole Numbers)

	YTD Actual	YTD Last Year Actual	Current Year Change	Current Year % Change	Total Budget	Total Budget Variance	Percent Total Budget Remaining - Original
OPERATING REVENUE							
Retail Fees	2,431,413	2,351,209	80,204	3.41	2,416,643	14,770	1 %
Wholesale Fees	178,182	185,005	(6,822)	(3.69)	175,664	2,518	1 %
Permit Fees	65,325	38,987	26,338	67.56	15,869	49,456	312 %
O&M Services	131,261	134,987	(3,726)	(2.76)	138,393	(7,132)	(5)%
Other Income	65,402	43,755	21,647	49.47	45,959	19,443	42 %
Total OPERATING REVENUE	2,871,584	2,753,943	117,641	4.27	2,792,528	79,056	3 %
OPERATING EXPENSE							
Wages	537,238	651,494	(114,257)	(17.54)	556,358	19,120	3 %
Overtime	23,096	28,455	(5,358)	(18.83)	29,646	6,550	22 %
Fringes	350,757	364,628	(13,871)	(3.80)	374,581	23,824	6 %
Professional Services	234,798	165,012	69,786	42.29	254,888	20,090	8 %
Utilities	275,556	289,661	(14,105)	(4.87)	285,555	9,999	4 %
Vehicle Expense	25,977	30,096	(4,119)	(13.69)	35,540	9,563	27 %
Equipment Expense	32,658	19,674	12,984	66.00	46,031	13,373	29 %
Building Expense	335,272	342,515	(7,242)	(2.11)	341,643	6,371	2 %
Purchased Water/Sewer	556,811	518,500	38,311	7.39	559,246	2,435	0 %
Customer Installations	35,996	29,160	6,836	23.44	25,443	(10,553)	(41)%
Permits, Inspections	11,544	11,308	236	2.09	16,615	5,071	31 %
Other Expenses	29,280	27,644	1,636	5.92	37,556	8,276	22 %
Total OPERATING EXPENSE	2,448,984	2,478,148	(29,164)	(1.18)	2,563,102	114,118	4 %
GAIN/LOSS BEF DEPRECIATION	422,600	275,795	146,805	53.23	229,426	193,174	84 %
DEPRECIATION EXPENSE							
	(954,862)	(963,801)	8,939	(0.93)	0	(954,862)	0 %
NON-OPERATING REVENUE/EXPENSE							
Non-Operating Income	302,276	303,134	(859)	(0.28)	273,965	28,311	10 %
Non-Operating Expense	(76,044)	(73,449)	(2,595)	3.53	(78,455)	2,411	(3)%
Grant Expense	(43,722)	(20,928)	(22,794)	108.91	0	(43,722)	0 %
Total NON-OPERATING REVENUE/EXPEN...	182,510	208,757	(26,247)	(12.57)	195,510	(13,000)	(7)%
NET GAIN/LOSS BEF CONTRIB	(349,752)	(479,249)	129,497	(27.02)	424,936	(774,688)	(182)%
CAPITAL CONTRIBUTIONS							
Grant & Donation Revenue	29,470	36,060	(6,590)	(18.28)	0	29,470	0 %
Capital Contributions	1,877,300	0	1,877,300	100.00	0	1,877,300	0 %
Total CAPITAL CONTRIBUTIONS	1,906,770	36,060	1,870,710	5,187.72	0	1,906,770	0 %
GRAND TOTAL	1,557,019	(443,180)	2,000,207	(451.32)	424,936	1,132,082	266 %

19

December
2015

Livingston County WSA
Balance Sheet
As of 12/31/2015
(In Whole Numbers)

	Current Year	Prior Year	Current Year Change	Beginning Year Ba...	YTD Change
CURRENT ASSETS					
Operating Cash	2,248,535	2,064,785	183,751	2,064,785	183,751
Debt Reserve	630,990	593,626	37,364	593,626	37,364
Accounts Receivable	834,984	818,290	16,694	818,290	16,694
Capital Contributions Receivable	32,560	31,135	1,425	31,135	1,425
Inventory	8,475	9,591	(1,116)	9,591	(1,116)
Prepaid Expenses	47,954	61,091	(13,137)	61,091	(13,137)
Funds held for Others	30,657	30,121	536	30,121	536
Total CURRENT ASSETS	3,834,157	3,608,640	225,517	3,608,640	225,517
Total Current Assets	3,834,157	3,608,640	225,517	3,608,640	225,517
NON-CURRENT ASSETS					
Restricted Cash	2,030,684	257,725	1,772,959	257,725	1,772,959
Capital Contrib Receivable, net current	429,316	461,876	(32,560)	461,876	(32,560)
Property & Equipment, Net Deprec	23,895,732	24,060,346	(164,614)	24,060,346	(164,614)
Work-In-Progress	375,922	864,488	(488,566)	864,488	(488,566)
Total NON-CURRENT ASSETS	26,731,655	25,644,436	1,087,219	25,644,436	1,087,219
Total Non-Current Assets	26,731,655	25,644,436	1,087,219	25,644,436	1,087,219
TOTAL ASSETS	30,565,812	29,253,075	1,312,736	29,253,075	1,312,736
CURRENT LIABILITIES					
Accounts Payable	105,889	162,682	(56,793)	162,682	(56,793)
Current Portion Loans Payable	144,417	144,417	0	144,417	0
Other Current Liabilities	130,920	172,199	(41,279)	172,199	(41,279)
Funds held for others	30,638	30,123	515	30,123	515
Total CURRENT LIABILITIES	411,865	509,422	(97,557)	509,422	(97,557)
Total Current Liabilities	(411,865)	(509,422)	97,557	(509,422)	97,557
NON-CURRENT LIABILITIES					
System Revenue Notes Payable	4,338,708	4,485,433	(146,725)	4,485,433	(146,725)
Total NON-CURRENT LIABILITIES	4,338,708	4,485,433	(146,725)	4,485,433	(146,725)
Retained Earnings & Net Position					
Retained Earnings	(24,258,221)	(24,701,410)	443,189	(24,258,221)	0
Net Income	(1,557,018)	443,189	(2,000,207)	0	(1,557,018)
Total Retained Earnings & Net Position	(25,815,239)	(24,258,221)	(1,557,018)	(24,258,221)	(1,557,018)
TOTAL NET POSITION	30,565,812	29,253,075	1,312,736	29,253,075	1,312,736

10