

Members Attending: H. Stewart, G. Moore, F. Miller, P. Brooks, S. Beardsley, D. Kriewall

Excused: T. Anderson

Others Attending: M. Kosakowski, R. Lewis, C. VanHorne

Operations and Capital Report –M. Kosakowski reviewed the Operations report (on file with the Secretary) with the Board.

Comments and additions to the Operations report

Boiled Water	<p><i>Groveland Station service area went on boil water advisory on Saturday the 12th of September. Both tanks were emptied and chlorinated, and samples taken on Monday and Tuesday. Advisory was lifted 9/16/15.</i></p> <p>D. Kriewall asked what the source of the e-coli bacteria in the tank. C. VanHorne responded that the thought was that it was the sampling tap in the building. D. Kriewall suggested making sure that the tank is secure.</p>
New Sewer Connection	<p><i>Kircher Construction will be making a new connection on Route 408 for sewer. We provided plans to Mr. Olverd and he is looking into extension of the sewer to the house on the property. A main extension agreement was provided at the meeting. He will be working up costs to look into extension to Frontier Telephone building.</i></p> <p>G. Moore asked if Frontier Telephone personnel had been contacted regarding the potential new sewer connection on Route 408 in Mt. Morris. C. VanHorne answered that J. Gilbert had been contacted but wanted to know the costs for the installation before they could make a decision.</p>

8:15 am Public Hearing – Motion: G. Moore moved and F. Miller seconded to open the Public Hearing on rate and fee changes for 2016. Carried unanimously.

H. Stewart asked if there were any comments on the rate changes, hearing none, the hearing was left open for comments.

Comments and additions to the Capital Report (on file with the Secretary)

Prison Project	<p>George Glassonos, attorney for DOCCS, is walking the final agreement through the State Bureaucracy for final signatures. As of this writing, he was walking (literally) over to the Attorney General's Office to get signatures on the approved amendment. Then it goes to the State Comptroller's office (who have already approved the draft), so hopefully all signatures will be on the contract by the meeting. Selection Committee will have a recommendation for the Board's consideration regarding Engineering for the Prison Project.</p> <p>C. VanHorne updated the Committee that the AG's Office had made some minor changes to the agreement and H. Stewart re-signed it. AG's Office has signed off of the agreement and it is headed to the State Comptroller's office.</p> <p><i>C. VanHorne stated that three proposals had been received for Engineering services for the DOCCS project. Interviews of all three companies were conducted by the selection committee on September 22nd. Based on the criteria in the RFP, the selection committee independently and as a group selected Clark Patterson Lee as the Engineering firm to handle the project.</i></p>
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	<i>Motion: G. Moore moved and P. Brooks seconded to select Clark Patterson Lee as the Engineers for the Prison project. Carried unanimously.</i>
Niver Road Storage Tank - Painting	<p><i>Final change order on this project.</i></p> <p>RESOLUTION 2015 - 23 APPROVING FINAL CHANGE ORDER NIAGARA COATINGS</p> <p>WHEREAS, final project costs have been calculated and a deduction of the allowance from the contract is \$2,000, now therefore be it</p> <p>RESOLVED, that the Livingston County Water & Sewer Authority Board approves Change Order Final for Niagara Coatings as a deduction of \$2,000, final costs being \$37,177 and authorizes the Executive Director to sign the Change Order.</p> <p><i>Motion: D. Kriewall moved and S. Beardsley seconded to approve resolution 2015-23 Approving Final Change Order Niagara Coatings. Carried unanimously.</i></p>

Inflow and Infiltration Study - C. VanHorne reviewed the Improvement Alternatives Considered (on file with the Secretary). The following comments were given by the Board:

1. A Decision Tree should be put into the document. This will be helpful for alternatives where if you select it, another alternative will also be triggered.
2. An evaluation should be done of taking the Village flow down the (soon to be developed) road, which will end at the Pease pump station.

M. Kosakowski departed the meeting.

Energy Savings Plan with National Grid – C. VanHorne reviewed the memo (on file with the Secretary) outlining the terms of the Agreement with National Grid to replace all the lighting at the Lakeville Treatment Plant with LED lighting.

RESOLUTION 2015 – 24 APPROVING AGREEMENT WITH NATIONAL GRID FOR ENERGY CONSERVATION PROGRAM

RESOLVED, that the LCWSA Board approves the Agreement with National Grid for Energy Conservation Program and be it further

RESOLVED, that the LCWSA authorizes a capital budget be established for \$19,000.00 and be it further

RESOLVED, that the Executive Director is authorized to sign the agreement.

Motion: F. Miller moved and D. Kriewall seconded to approve resolution 2015-24 Approving Agreement with National Grid for Energy Conservation Program. Carried unanimously.

Inter-municipal Cooperation Agreement – C. VanHorne reviewed the terms of the proposed agreement memo (on file with the Secretary). The Board tabled this agreement until the October meeting.

Other Business – S. Beardsley asked about the Lowery Road extension. C. VanHorne stated that she was still waiting for the cost of water, and operation and maintenance costs, from the Town of York.

Financial Report - R. Lewis reviewed the Financial Report for August (on file with the Secretary). S. Beardsley asked about the increase in water purchase. C. VanHorne stated that the issue is up in the Hamlet of Conesus where we have found some of the water valves to be leaking and some pipe issues also in the area.

Motion: *S. Beardsley moved and P. Brooks seconded to approve the Financial Report. Carried unanimously.*

Bills – R. Lewis reviewed various bills.

Motion: *D. Kriewall moved and G. Moore seconded to approve payment for Operating expenses in an amount not to exceed \$211,550.95, Grant expenses in an amount not to exceed \$7,250, and Reserve Projects in an amount not to exceed \$120,814.12. Carried unanimously.*

Motion: *F. Miller moved and S. Beardsley seconded to approve utility bills in an amount not to exceed \$20,731.10, Commodities in an amount not to exceed \$49,971.20, and other expenses in an amount not to exceed \$292.95. Carried unanimously.*

Minutes – Motion: *G. Moore moved and F. Miller seconded to approve regular board meeting minutes dated August 26, 2015. Carried unanimously.*

Close Public Hearing – H. Stewart asked if there were any comments on the proposed rate and fee schedule. Hearing none:

Motion: *P. Brooks moved and S. Beardsley seconded to close the public hearing. Carried unanimously.*

RESOLUTION 2015 - 25 APPROVING THE RATE AND FEE SCHEDULE

WHEREAS a public hearing was held on September 23, 2015 to hear comments on the proposed rate and fee schedule changes, now therefore be it

RESOLVED, that the Board adopts rate and fee schedule (on file with the Secretary) to be effective immediately and for the February 2016 billing.

Motion: *P. Brooks moved and G. Moore seconded to approve resolution 2015-25 Approving the Rate and Fee Schedule. Carried unanimously.*

RESOLUTION 2015 – 26 ADOPTING THE 2016 BUDGET AND CAPITAL PLAN

RESOLVED, that the Board adopts the 2016 Budget and Capital Plan (on file with Secretary) and directs staff to file as required.

Motion: D. Kriewall moved and F. Miller seconded to approve resolution 2015-26 Adopting the 2016 Budget and Capital Plan. Carried unanimously.

Communications: Letter sent to C. Lathan - re: 2016 Water and Sewer Budgets (on file with the Secretary)

Adjourn - *Motion: P. Brooks moved and S. Beardsley seconded to adjourn the meeting. Carried unanimously.*

OPERATIONS REPORT - August 19- Sept. 15

Water and Sewer Work Program 2015	
Customer work orders	58 customer work orders - up 4 from last month.
UFPO	99 stakeouts completed - up 45 from last month.
PM Maintenance	Completed
Sampling and Testing	Completed
Electrical Maintenance	Demand Response required us to run the two main generators for one hour on the 27th of August.
Boiler Maintenance	LMC has replaced the regulator venting. The Boiler is ready to convert back to methane/natural mix. Also, the Bell and Gossett motor was replaced on the boiler by LMC.
SCADA/Controls work	OTI provided a proposal for the integration of a HMI (Human/machine interface) for the Pleasant Street pump station. Also, OTI ran a radio survey with the new radios for Liv. Ctr PS and Stone Hill vault to determine if they could go off cellular service. Level transmitter was replaced in the Lakeville tank. Waiting for programming.
Pest removal	Two large bees nests have been removed from our facilities.
Driveway Maintenance	Hober finished the driveway and walkway sealing.
Cathodic protection maintenance	The City of Rochester has shared information regarding cathodic protection maintenance and installation. A program will be developed regarding this issue.
Restoration	Staff conducted restoration on 3 sites that were dug up in the past. Top soil and stone were purchased from Hanson and AL Landscaping.
Water Work Program	
Water Main and Service repair	Repaired leak on Railroad Ave and re-tapped for the old highway facilities. 137 Kennsington final W/S inspection
New water connections	Water Service tap 5780 W. Lake Road.
Curb box location	Locations being conducted on East Lake Road.
Curb box repair	17 West Ave, Curb box replaced,
Flushing	ARS system 8/25/15
Automatic Valve maintenance	Ross Valve installed new valve at Hemlock Tank, installed a new pilot valve at the Sliker tank site. 20A site could not be rebuilt, therefore PO issued for new valve.
Water tank inspection	Solar Bee completed annual maintenance.
Boiled Water	Groveland Station service area went on boil water advisory on Saturday the 12th of September. Both tanks were emptied and chlorinated, and samples taken on Monday and Tuesday. Advisory was lifted 9/16/15.
Sewer Work Program	
New Sewer Connection	Kircher Construction will be making a new connection on Route 408 for sewer. We provided plans to Mr. Olverd and he is looking into extension of the sewer to the house on the property. A main extension agreement was provided at the meeting. He will be working up costs to look into extension to Frontier Telephone building.
Sewer Lateral repair	17 West Ave, 4" clean out was repaired.
Wet wells manholes maintenance	O'Briens Septic came in to clean out two wet wells. Also Staff washed down 5 wet wells also.

OPERATIONS REPORT - August 19- Sept. 15

Sewer Cleaning and televising	Staff televised Pleasant Street and other areas in Hemlock trying to find infiltrations coming into the Pleasant Street pump station. Staff had a presentation of new camera equipment for sewer televising. Culvert pipe on McPhersons Point was looked at for cleaning with the County Highway Department.
Gauging stations and shimming pumps	5w has been running out of specifications for several months. Staff gauged and shimmed pump one.
Overflows	Internal plumbing inspections are being conducted for anyone calling during this amnesty period. 5 calls have been received due to the article in the paper and newsletters.
Lakeville Plant	
Shop/entrance chamber	Grit pump motor gave out. YAWS Operator installed new motor. We purchased the motor from KJ Electric.
Groveland Plant	
Sludge removal	Staff continues to bring sludge to the Lakeville plant.
Dam Management	Lake level has been low during this dry season. We are doing a small amount of flushing on request by the bait shop.

CAPITAL PROJECTS REPORT - September outline

31062 --2011 Lakeville WWTF -	
9/23/2015	Niagara Coating has repainted the tanks.
31085 – West Lake / DaCola Shores Water Connection Project - Prison Project	
9/23/2015	George Glassonos, attorney for DOCCS, is walking the final agreement through the State Bureaucracy for final signatures. As of this writing, he was walking (literally) over to the Attorney General's Office to get signatures on the approved amendment. Then it goes to the State Comptrollers office (who have already approved the draft) so hopefully all signatures will be on the contract by the meeting. Selection Committee will have a recommendation for the Board's consideration regarding Engineering for the Prison Project.
31095 – Clarifier I- Beam Recoating	
9/23/2015	See project 31062
31098 – Slide Gates –	This project provides for the installation of slide gates at two doors that are possibly vulnerable to flood waters. Staff has reviewed plans and CPL is developing a RFP for the work
9/23/2015	CP Ward has installed the frame work for the gates. Final restoration remains.
Niver Road Storage Tank - Painting	
9/23/2015	Final change order on this project. Resolution - Approving Final Change Order, Niagara Coatings, WHEREAS, Final project costs have been calculated and a deduction of the allowance from the contract is \$2,000, now therefore be it RESOLVED, that the Livingston County Water & Sewer Authority Board approves Change Order Final for Niagara Coatings as a deduction of \$2,000 final costs being \$37,177 and authorizes the Executive Director to sign the Change Order.

1 Improvement Alternatives Considered

In order to eliminate the possibility of overflow within the sanitary collection system, multiple alternatives were considered. Alternatives were evaluated based on effectiveness, construction costs, maintenance costs, and feasibility.

1.1 Alternative 1 – Gravity Sewer Replacement

1.1.1 1A - Full Lakeville Trunk Line Replacement

The Hamlet of Lakeville is the location of the convergence of two sanitary sewer trunk lines; a 16" Asbestos Concrete pipe from the west of Conesus Lake and a 20" Asbestos Concrete pipe from the east of Conesus Lake. After combining, the two sewers flow into a 24" pipe that travels north through the hamlet and discharges directly into the WWTF. In order to increase capacity throughout the system, approximately 8,300LF will be replaced with larger capacity pipe. From Pump Station 12E, on the east side of Conesus Lake to the convergence point in Vitale Park, the 20" sewer will be replaced by approximately 4,200 LF of 24" pipe. From the convergence point to the end of the sewer at the WWTF, the existing 4,100 LF of 24" pipe will be fully replaced by 30" pipe. The proposed alternative is shown in Figure 1, and a full cost estimate can be found in Appendix F.

1.1.2 1B - East Lakeville Trunk Line Replacement

Since the location of highest concern occurs on the northeast side of the Lake, the capacity of the trunk line in this area will be increased. The alternative proposes to increase pipe size from Pump Station 12E on the east side of the lake to the convergence point of the west and east side sewers. It would include the replacement of approximately 4,200 LF of 20" pipe with 24". A map of the proposed alternative can be found in Figure 2, and a full cost estimate is included in Appendix F.

1.2 Alternative 2 – Lakeville Force Main

1.2.1 2A - Full Lakeville Force Main

In order to alleviate the capacity problems that occur in the gravity trunk line in eastern Lakeville, capacity of the system must be increased or flow must be reduced through the pipe. This alternative proposes upgrades to existing Pump Station 12E, in order to increase its capacity. The pumps would discharge into a new 10" force main that travels parallel to the existing gravity sewer, 7,850 LF northwest to the WWTF. Only flows from the Hamlet of Hemlock and Village of Livonia would be carried by the existing gravity trunk line. The flows from the Town of Conesus and the western half of the Town of Livonia would be eliminated from the gravity sewer, and only flow through the new force main. The proposed alternative is shown in Figure 3, with a full cost estimate included in Appendix F.

1.2.2 2B - East Lakeville Force Main

To eliminate the current overflow locations, the flow in the trunk line northeast of the lake would be decreased. With an upgrade in the existing Pump Station 12E, to increase capacity and power, the pumps will discharge into a new 10" force main that flows approximately 4,200 LF to the convergence point of the west side sewer and the east side sewer. The force main would decrease flow throughout the areas of concern and deposit into a 24" gravity pipe that is not currently over capacity, and discharges directly into the WWTF. The alternative is shown on Figure 4 and a full cost estimate can be found in Appendix F.

1.3 Alternative 3 – Early Warning Upgrades

In order to combat and be prepared for the peak flows that occur during intense rain events, multiple electronic monitoring systems are to be installed and upgraded. First, rain gauges are to be installed in various locations throughout the collection system, in order to identify times where peak flows might occur. Multiple manhole level sensors in areas of concern will show when the capacity of the pipe is exceeded and when the water level may be near overflow levels. Upgrades to the existing SCADA system will connect the new equipment and help LCWSA be prepared for possible overflow events.

With the use of sand bags or other alternative means, operators will be able to respond to the locations of potential overflows, before the wastewater has the opportunity to exceed capacity, and relieve the stress on the system by temporarily controlling the discharge and prevent overflows from entering Conesus Lake. This would reduce the untreated wastewater from the Conesus Lake watershed and ecosystem, and alleviate some of the health risks involved with the overflow discharging directly into the lake.

LCWSA has also committed to installing a master meter to meter flows from the Village of Livonia. This will allow LCWSA to monitor flows from the Village and track the effectiveness of I/I efforts in that area. A map of the proposed upgrades is shown on Figure 5, and the full cost estimate included in Appendix F.

1.4 Alternative 4A-4C – Village of Livonia Equalization Storage Tank

Since the current peak flows have exceeded the capacity of the trunk line, the elimination of some flows could improve the operation of the system. With the installation of an Equalization (EQ) Tank, LCWSA could create storage of overflow/excess flows in the collection system so that the system would not be overloaded. In the event of an intense rain event, excess flow would be diverted into storage until the loading on the other sections of the collection system has fallen back to normal levels. At that point, wastewater would be gradually discharged back into the collection system and sent to the WWTF.

Multiple locations for the EQ Tank were considered. Based on measured flow throughout the system, the location with the greatest impact is west of the Village of Livonia. The tank will receive flows from the Village itself, the Town of Livonia and the Hamlet of Hemlock.

Calculations regarding the size of the EQ tank based on peak flows through these areas can be found in Appendix G.

Alternative's 4A, 4B and 4C differ in the capacity of the storage tank to be installed: 500,000 gallon, 1,000,000 gallon, and 1,500,000 gallon, respectively. A map of these alternatives can be found in Figure 6 and the full cost estimates can be found in Appendix F.

1.5 Alternative 5 – I/I Improvements

Due to the increased flow through the entire system during rain events, it is evident that throughout the system there are sources of inflow and infiltration. Therefore, steps must be taken to reduce the possibility of any failures or breaches within the system. These steps include the continuation of televising throughout the gravity system, looking for cracks, roots or other sources that would allow the entrance of any storm water into the sanitary system.

LCWSA is also using smoke and dye testing throughout the system as a tool to locate areas susceptible to I/I on the residents' section of the sewer mains. Coupled with a search for illegal connections to the sewer system, finding sources of infiltration on the residents' section could alleviate some of the loading and flow through the system and decrease flows, limiting the probability of an overflow event.

LCWSA uses a ranking system to determine the urgency of the I/I repair. The ranking is based on how effective the repair will be, the impact of the repair, the potential issues and impacts if the repair is not completed and the repair location. Once the improvements are ranked and an understanding of the sources of I/I is established, LCWSA can follow through with plans for upgrades and repairs of these locations. Using methods such as relining, replacement of pipe and sealing, I/I through the system can be reduced and ease the stress on the capacity of the system. LCWSA currently budgets approximately \$40,000 to \$80,000 every year to address the most urgent improvements and repairs to the system. This Alternative will continue this commitment along with the televising and smoke testing currently being completed.

1.6 Alternative 6 – WWTF Upgrades

During periods of increased flow, the existing WWTF is unable to process the quantity of sanitary flow collected in the system. Therefore, if the capacity of the collection system should increase giving the ability of the system to convey all flows to the WWTF, the WWTF will need to undergo multiple upgrades in order to have the ability to treat the higher flows. These upgrades include the addition of a new influent structure, as well as new primary clarifier, trickling filter and final clarifier. However, since the only time the WWTF exceeds capacity is during heavy rain events, much of the new equipment would go unused for the majority of the time. Therefore, this alternative does not seem to be feasible or an efficient use of funds due to its high cost of construction. The cost estimate for this alternative can be found in Appendix F.

1.7 Alternative 7 – Home Inspection

LCWSA will hire an additional employee to handle door-to-door home inspections to identify possible sources of I/I throughout the system. The inspector will review individual homes for illegal connections, including gutters, downspouts and sump pumps. The LCWSA will notify residents if any illegal connections have been identified and provide guidance to the home owners on how to resolve the issues. Reduction of illegal connections will reduce the overall amount of I/I in the collection system.

1.8 Null Alternative

This alternative proposes to “do nothing.” Although there is no upfront capital cost, this would not remove the possibility for overflow and would not correct the capacity problems that LCWSA is experiencing.

1.9 Cost Estimates

The following tables show a summary of total capital project costs for each alternative. Detailed cost estimates are included in Appendix F.

Alternative	Total Capital Project Cost
1A	\$3,284,000
1B	\$1,503,000
2A	\$1,201,000
2B	\$1,359,000
3	\$105,000
4A	\$1,238,000
4B	\$1,529,000
4C	\$1,820,000
5	\$40,000 to \$80,000 per year
6	\$10,020,000
7	\$60,000 per year

2 Alternative Selection

2.1 Recommendation – Proposed Project

The approach for the proposed project includes implementation of several alternatives as described in the previous section of the report. LCWSA proposes to implement the following six year plan:

- Years 1-5: This phase will include Alternative 3 – Early Warning Upgrades, Alternative 5 – I/I Improvements, and Alternative 7 – Home Inspection.
- Year 6: After a period of 5 years, I/I and collection system overflows will be reviewed. If improvements have not been made from Phase 1 that will significantly

reduce the possibility of overflows then one of the capital projects described in Alternatives 1, 2, 4, or 6 will be selected.

In December of every plan year, the LCWSA will submit a report to NYSDEC that documents project progress. The report will include a list and description of efforts made for each Alternative, including repairs and improvements that have been made, I/I issues that have been reported, and progress on the home inspections. The report will also quantify the reduction in flows, analyze rain flow data, and report on pump run times.

2.1.1 Year 1 (2016)

During the first year of the project, LCWSA has committed to implementing Alternative 3 – Early Warning Upgrades. This work would be completed before the spring of 2016 and would include the Village of Livonia master meter (already being implemented), manhole sensors, rain gauges, and SCADA system upgrades.

LCWSA would continue their efforts for Alternative 5 – I/I Improvements during the first year of the project. This would include, and continued televising of the collection system (1/5th every year), manhole and wet well inspections smoke testing in order to find illegal connections or system failures. Approximately \$40,000 to \$80,000 will be committed to address urgent issues as identified with the ranking system outlined in the previous section of this report.

LCWSA would implement Alternative 7 – Home Inspections in the first year of the project plan. LCWSA has committed and budgeted to hire an additional staff member to complete the door to door inspections, with the hire targeted by March of 2016. It is anticipated that the first target area would be the Village of Livonia.

Note that the locations of the smoke testing and dye testing will coincide with the locations of the home inspections.

2.1.2 Year 2 (2017)

LCWSA would continue their efforts for Alternative 5 – I/I Improvements during the second year of the project. This would include continued televising of the collection system (1/5th every year), manhole and wet well inspections, and smoke testing in order to find illegal connections or system failures. Approximately \$40,000 to \$80,000 will be committed to address urgent issues as identified with the ranking system outlined in the previous section of this report.

LCWSA would continue with home inspections during the second year of the project plan. It is anticipated that Hemlock, Lakeville and immediate areas around the north side of Conesus Lake would be the target areas for this year.

Note that the locations of the smoke testing and dye testing will coincide with the locations of the home inspections.

2.1.3 Year 3 (2018)

LCWSA would continue their efforts for Alternative 5 – I/I Improvements during the third year of the project. This would include continued televising of the collection system (1/5th every year), manhole and wet well inspections, and smoke testing in order to find illegal connections or system failures. Approximately \$40,000 to \$80,000 will be committed to address urgent issues as identified with the ranking system outlined in the previous section of this report.

LCWSA would continue with home inspections during the third year of the project plan. It is anticipated that homes located on the east side of Conesus Lake would be the target area for this year.

Note that the locations of the smoke testing and dye testing will coincide with the locations of the home inspections.

2.1.4 Year 4 (2019)

LCWSA would continue their efforts for Alternative 5 – I/I Improvements during the fourth year of the project. This would include continued televising of the collection system (1/5th every year), manhole and wet well inspections, and smoke testing in order to find illegal connections or system failures. Approximately \$40,000 to \$80,000 will be committed to address urgent issues as identified with the ranking system outlined in the previous section of this report.

LCWSA would continue with home inspections during the fourth year of the project plan. It is anticipated that homes located on the west side of Conesus Lake would be the target area for this year.

Note that the locations of the smoke testing and dye testing will coincide with the locations of the home inspections.

2.1.5 Year 5 (2020)

LCWSA would continue their efforts for Alternative 5 – I/I Improvements during the fifth year of the project. This would include continued televising of the collection system (1/5th every year), manhole and wet well inspections, and smoke testing in order to find illegal connections or system failures. Approximately \$40,000 to \$60,000 will be committed to address urgent issues as identified with the ranking system outlined in the previous section of this report.

LCWSA would continue with home inspections during the fifth year of the project plan. It is anticipated that homes located in Conesus would be the target area for this year. Any follow up areas or issues identified in previous years would also be reevaluated.

Note that the locations of the smoke testing and dye testing will coincide with the locations of the home inspections.

2.1.6 Year 6 (2021)

At the conclusion of five years, LCWSA and the NYSDEC would evaluate the progress made and determine if a capital project is required. By comparing flows from areas within the system, the new master meter for the Village of Livonia and pump station run times, LCWSA and NYSDEC will determine if one of the capital projects (Alternatives 1, 2, 4, or 6) will be selected for implementation. Note the actual capital project selected will be based on an updated version of this report, taking into account both short term and long term expenses.

If flows have been reduced and the risk of overflow has been significantly reduced then LCWSA will continue with Alternative 5 – I/I Improvements. LCWSA will continue to video the collection system during a five year period, smoke test, and make collection system repairs on a yearly basis.



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Catherine VanHorne

Executive Director

To: LCWSA Board

From: Catherine VanHorne

Re: National Grid Energy Savings Plan

Date: September 23, 2015

We have been presented an Energy Savings Plan from National Grid. The work is described below. The Estimated Job costs are \$33,151.09 to replace all lighting with LED lighting. The costs to us is \$18,893.42. National Grid coordinates the project and hires the contractors etc. - we pay our share. Anticipated cost savings per year \$5,313.55 in energy savings.

main office	12	2-light 2x4 recessed troffer parabolic w/ 32 watt T8 lamps	10	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	10
sm office	12	4-light 2x4 recessed troffer w/ 32 watt T8 lamps	1	30 watt LED 2x4 Prismatic Troffer Fixture	1
sm office	12	4-light 2x4 recessed troffer w/ 40 watt T12 lamps	1	30 watt LED 2x4 Prismatic Troffer Fixture	1
hallway	12	2-light wrap w/ 40 watt T12 lamps	2	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	2
break room	12	2-light 4' wrap w/ 32 watt T8 lamps	4	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	4
office inside door	12	2-light wrap w/ 40 watt T12 lamps	4	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	4
2nd office	12	2-light wrap w/ 40 watt T12 lamps	4	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	4
basement	8	2-light wrap w/ 40 watt T12 lamps	7	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	7
sm basement	8	2-light 4' vaporproof w/ 32 watt T8 lamps	2	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	2
exterior main	15	1-light 100 watt metal halide wall pack	9	30 watt LED wall pack	9
restroom	15	1-light 75 watt incandescent in socket	4	9.5 watt A-Lamp LED Screw In	4
tertiary area	20	1-light 400 watt metal halide pole / post-mounted	2	134 watt adjustable arm flood beta	2
secondary area	20	1-light 400 watt metal halide pole / post-mounted	2	134 watt adjustable arm flood beta	2
intermediate pump	15	1-light 250 watt metal halide wall pack	4	40 watt LED wall pack	4
intermediate pump	15	2-light wrap w/ 40 watt T12 lamps	2	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	2

digest building	15	2-light Industrial w/ 40 watt T12 lamps	7	NF 2-light strip w/ 4' 16.5 watt T8 lamps	7
restroom digest building	15	4-light 2x4 recessed troffer w/ 40 watt T12 lamps	4	30 watt LED 2x4 Prismatic Troffer Fixture	4
lab	15	4-light 2x4 recessed troffer w/ 40 watt T12 lamps	8	30 watt LED 2x4 Prismatic Troffer Fixture	8
lab	15	2-light strip w/ 40 watt T12 lamps	1	NF 2-light strip w/ 4' 16.5 watt T8 lamps	1
lab	15	1-light 75 watt incandescent in socket	1	9.5 watt A-Lamp LED Screw In	1
basement	15	2-light 4' vaporproof w/ 32 watt T8 lamps	13	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	13
exterior digest building	15	1-light 250 watt metal halide wall pack	1	40 watt LED wall pack	1
round pump	20	1-light 400 watt metal halide pole / post-mounted	2	134 watt adjustable arm flood beta	2
storage building	20	2-light industrial w/ 32 watt T8 lamps	27	NF 2-light strip w/ 4' 16.5 watt T8 lamps	27
shop	15	1-light 100 watt incandescent flood	4	16 watt Par 38 LED Screw In FL40	4
shop	15	1-light 250 watt metal halide wall pack	2	40 watt LED wall pack	2
shop	20	1-light 250 watt metal halide box	1	28 watt LED ARM Fixture	1
out building	15	1-light 250 watt metal halide box	2	82 watt LED High Bay Fixture	2
outbuilding	20	2-light industrial w/ 32 watt T8 lamps	14	NF 2-light strip w/ 4' 16.5 watt T8 lamps	14
outbuilding	15	2-light 4' vaporproof w/ 32 watt T8 lamps	5	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	5
outbuilding	15	1-light 150 watt metal halide box	4	82 watt LED High Bay Fixture	4
basement	15	2-light 4' vaporproof w/ 32 watt T8 lamps	16	RLRB 2-lamp standard power electronic ballast & 4' 28 watt T8 LED lamps	16
generator room	15	2-light Industrial w/ 40 watt T12 lamps	2	NF 2-light strip w/ 4' 16.5 watt T8 lamps	2
generator exterior	15	1-light 250 watt metal halide wall pack	1	40 watt LED wall pack	1
gate	15	1-light 250 watt metal halide box	1	28 watt LED ARM Fixtur	

E. Wies had Danforth review our entire facility to determine if other energy saving activities should be instituted at the same time. The conclusion of that review was to move ahead with the lighting independently.

I would recommend the program.

RESOLUTION 2015 APPROVING AGREEMENT WITH NATIONAL GRID FOR ENERGY CONSERVATION PROGRAM

RESOLVED, that the LCWSA Board approves the Agreement with National Grid for Energy Conservation Program and be it further

RESOLVED, that the LCWSA authorizes the a capital budget be established for \$19,000.00 and be it further

RESOLVED, that the Executive Director is authorized to sign the agreement.



Livingston County Water & Sewer Authority
1997 D'Angelo Drive
PO Box 396
Lakeville, NY 14480
Phone: (585) 346-3523
Fax: (585) 346-0954
TTY NY: (800) 662-1220

Catherine VanHorne

Executive Director

To: LCWSA Board

From: Catherine VanHorne

Re: Inter-municipal Cooperation Agreement

Date: 9/16/15

The Town of Livonia has presented an agreement developed by Jim Campbell to share in expenses of the use of the Fuel Depot.

The agreement sets forth the following

1. Administration fee = \$.04/gallon
2. 15.5% of maintenance, upkeep, repair and improvements based on the amount of gas we used. Currently, there is about \$10,000 of this maintenance that must be completed.
3. 2% late fees if we do not pay our gas charges or maintenance fees within 30 days.
4. Damage due to misuse is our costs in full.
5. Term is 2 years.

I think this seems reasonable and all agencies that use the depot are involved.

RESOLUTION 2015-____ AUTHORIZING EXECUTION OF INTER-MUNICIPAL COOPERATION AGREEMENT

RESOLVED, that the LCWSA Board authorizes the Executive Director or Chairman of the Board to sign the Inter-Municipal cooperation agreement with the Town of Livonia and other partners for the use and maintenance of the Fuel Depot



**Board Financial Report
 August 2015**

Balance Sheet

Assets

Operating Cash (Operating Checking Account & General Reserve MM)

(Full Year Report Attached)

August 1, 2015	Jul-15	Aug-15	
	Actual	Actual	
Cash on hand 1st of each month	\$ 2,377	\$ 2,161	
Cash Received			
Customer Billing	36	333	
Miscellaneous			
Debt/Project Related			
Grant/Contributions		13	Village of Geneseo Capital Payment
Billing Services/O & M Services		33	3rd qtr Village of Livonia O & M
Relevy			
Estimated Cash Receipts			
Cash Receipts			
Debt/Grant/Contrib Receipts			
Cash Balance before expenditures	\$ 2,413	\$ 2,540	
Utility Vouchers	70	80	
Operating Vouchers	145	197	
Grant Vouchers			
Project Vouchers	37		
Estimated Expenditures			
Utilities			
Operating			
Projects			
Cash Balance after expenditures	\$ 2,161	\$ 2,263	
Reserve Projects in Progress Budget Bal + Retainage	1271	1283	See Work In Progress
Unallocated Cash Balance	\$ 890	\$ 980	

Debt Reserve Cash

Beginning Balance	\$664,785
Admin Fees	\$(6,387)
Debt Bond Payments	\$(107,275)
Interest	\$16
Billing Activity	\$1,783
Ending Balance	\$552,922

Accounts Receivable.

	Service Fees	Debt	Other	Total
Beginning Balance August	\$ 200,264	\$ 26,272	\$ 7,761	\$ 222,442
August Billing	\$ 615,207	\$ 66,251	\$ -	\$ 681,458
Collected Billing	\$ (312,674)	\$ (30,608)	\$ -	\$ (343,282)
Ending Balance August	\$ 502,797	\$ 61,915	\$ 7,761	\$ 572,473

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.

Work-In-Progress (WIP Report Attached)

Current Budget	\$2,160,120
Expenditures to Date	<u>\$ 876,732</u>
Balance	\$1,283,388

LIABILITIES

Accrued one month of Retirement - \$8,500

Year to Date Accrued Amount-\$111,958

Scheduled to pay September 2015-Amount paid in 2014-\$124,251

Statement of Revenues & Expenditures

OPERATING REVENUE- Billing month

Retail Fees Current Month (Includes Wholesale Fees)- \$634,004

Year to date-\$ 1,509,321 Budget Amount \$2,592,307

(Jan-July Months billed)

Figures are on track to meet budget amount

Permit Fees- \$2,250

O & M Services- \$31,161.00

Other Income- Nothing to report for current month

EXPENSES

Wages, Overtime & Fringes

Current Month- \$70,835

Previous Month- \$70,132

Year to date-\$592,143

(paid to 8/5/15)

Budget Amount - \$998,200

Utility Expense- Nothing significant to report-figures on track for budget amounts

Equipment Expense- Nothing significant to report-figures on track for budget amounts

Building Expense- Nothing significant to report-figures on track for budget amounts

Purchased Water/Sewer- increased \$24,460 from last year

Capital Contributions – Nothing significant to report.

Other - We were notified by Chase Credit Card Fraud Department that Mark Kosakowski's card had been compromised. The card was destroyed and a new card issued.

Livingston County WSA
Balance Sheet
As of 8/31/2015
(In Whole Numbers)

	<u>Current Year</u>	<u>Prior Year</u>	<u>Current Year Change</u>	<u>Beginning Year Bal...</u>	<u>YTD Change</u>
CURRENT ASSETS					
Operating Cash	2,262,094	1,983,563	278,530	2,064,785	197,309
Debt Reserve	552,238	514,788	37,449	593,626	(41,388)
Accounts Receivable	572,474	766,689	(194,215)	818,290	(245,817)
Capital Contributions Receivable	7,915	7,568	346	31,135	(23,220)
Inventory	8,172	9,946	(1,773)	9,591	(1,419)
Prepaid Expenses	66,856	77,631	(10,774)	61,091	5,765
Funds held for Others	25,773	25,980	(206)	30,121	(4,348)
Total CURRENT ASSETS	3,495,521	3,386,165	109,356	3,608,640	(113,118)
Total Current Assets	3,495,521	3,386,165	109,356	3,608,640	(113,118)
NON-CURRENT ASSETS					
Restricted Cash	257,726	257,724	2	257,725	1
Capital Contrib Receivable, net current	461,876	493,011	(31,135)	461,876	0
Property & Equipment, Net Deprec	23,494,424	24,272,600	(778,176)	24,060,776	(566,353)
Work-In-Progress	876,732	891,344	(14,612)	864,488	12,245
Total NON-CURRENT ASSETS	25,090,759	25,914,679	(823,920)	25,644,866	(554,107)
Total Non-Current Assets	25,090,759	25,914,679	(823,920)	25,644,866	(554,107)
TOTAL ASSETS	28,586,280	29,300,844	(714,564)	29,253,505	(667,225)
CURRENT LIABILITIES					
Accounts Payable	111,872	185,086	(73,214)	162,682	(50,811)
Current Portion Loans Payable	112,692	144,417	(31,725)	144,417	(31,725)
Other Current Liabilities	3,175	63,844	(60,668)	172,199	(169,024)
Funds held for others	25,764	25,979	(215)	30,123	(4,359)
Total CURRENT LIABILITIES	253,503	419,326	(165,823)	509,422	(255,918)
Total Current Liabilities	(253,503)	(419,326)	165,823	(509,422)	255,918
NON-CURRENT LIABILITIES					
System Revenue Notes Payable	4,370,433	4,485,433	(115,000)	4,485,433	(115,000)
Total NON-CURRENT LIABILITIES	4,370,433	4,485,433	(115,000)	4,485,433	(115,000)
Retained Earnings & Net Position					
Retained Earnings	(24,258,651)	(24,701,399)	442,748	(24,258,651)	0
Net Income	296,307	305,314	(9,007)	0	296,307
Total Retained Earnings & Net Position	(23,962,344)	(24,396,085)	433,741	(24,258,651)	296,307
TOTAL NET POSITION	28,586,280	29,300,844	(714,564)	29,253,505	(667,225)

Livingston County WSA
Statement of Revenues and Expenditures - Unposted Transactions Included In Report
From 8/1/2015 Through 8/31/2015
(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	1,398,336	1,531,897	(133,561)	(8.72)	2,416,643	(1,018,307)	(42)%
Wholesale Fees	110,986	114,643	(3,658)	(3.19)	175,664	(64,679)	(37)%
Permit Fees	55,727	27,843	27,884	100.15	15,869	39,858	251 %
O&M Services	108,583	74,548	34,036	45.66	138,393	(29,810)	(22)%
Other Income	40,237	19,645	20,593	104.83	75,959	(35,722)	(47)%
Total OPERATING REVENUE	1,713,869	1,768,575	(54,707)	(3.09)	2,822,528	(1,108,659)	(39)%
OPERATING EXPENSE							
Wages	333,341	420,509	(87,168)	(20.73)	568,973	235,632	41 %
Overtime	18,611	20,053	(1,442)	(7.19)	29,646	11,035	37 %
Fringes	240,191	231,429	8,762	3.79	399,581	159,390	40 %
Professional Services	102,039	119,517	(17,478)	(14.62)	289,888	187,849	65 %
Utilities	174,361	186,348	(11,986)	(6.43)	285,555	111,194	39 %
Vehicle Expense	18,146	19,918	(1,771)	(8.89)	35,540	17,394	49 %
Equipment Expense	17,104	11,650	5,453	46.81	65,031	47,927	74 %
Building Expense	210,733	190,271	20,462	10.75	328,843	118,110	36 %
Purchased Water/Sewer	339,163	319,906	19,258	6.02	475,431	136,268	29 %
Customer Installations	18,767	16,562	2,205	13.32	25,443	6,676	26 %
Permits, Inspections	6,601	8,644	(2,043)	(23.64)	21,615	15,014	69 %
Other Expenses	20,207	20,014	193	0.96	37,556	17,349	46 %
Total OPERATING EXPENSE	1,499,266	1,564,821	(65,555)	(4.19)	2,563,102	1,063,836	42 %
GAIN/LOSS BEF DEPRECIATION	214,602	203,754	10,848	5.32	259,426	(44,824)	(17)%
DEPRECIATION EXPENSE							
	(631,897)	(644,436)	12,539	(1.95)	0	(631,897)	0 %
NON-OPERATING REVENUE/EXPENSE							
Non-Operating Income	176,089	199,076	(22,986)	(11.55)	273,965	(97,876)	(36)%
Non-Operating Expense	(42,951)	(65,554)	22,604	(34.48)	(78,455)	35,504	(45)%
Grant Expense	(36,472)	(13,153)	(23,318)	177.28	0	(36,472)	0 %
Total NON-OPERATING REVENUE/EXPEN...	96,667	120,368	(23,701)	(19.69)	195,510	(98,843)	(51)%
NET GAIN/LOSS BEF CONTRIB	(320,627)	(320,314)	(314)	0.10	454,936	(775,563)	(170)%
CAPITAL CONTRIBUTIONS							
Grant & Donation Revenue	22,020	15,000	7,020	46.80	0	22,020	0 %
Capital Contributions	2,300	0	2,300	100.00	0	2,300	0 %
Total CAPITAL CONTRIBUTIONS	24,320	15,000	9,320	62.13	0	24,320	0 %
CHANGE IN NET ASSETS	(296,307)	(305,314)	9,007	(2.95)	454,936	(751,243)	(165)%

Monthly Unallocated Operating

August 31, 2015	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Estim	Estim
Cash on hand 1st of each month	\$ 1,922	\$ 1,984	\$ 1,984	\$ 1,846	\$ 1,991	\$ 2,029	\$ 1,843	\$ 1,902	\$ 2,074	\$ 2,160	\$ 2,257	\$ 2,377	\$ 2,161	\$ 2,263	\$ 2,192
Cash Received															
Customer Billing	311	254	57	323	250	31	255	307	42	263	320	36	333	240	35
Miscellaneous	2	30	13	8	32	1	1	1	0.5	3	3				
Debt/Project Related															
Grant/Contributions	13			13	21	7	13	43	15				13		
Billing Services/O & M Services										33	13		33		
Relevy									219						
Estimated Cash Receipts															
Cash Receipts															
Debt/Grant/Contrib Receipts															
Cash Balance before expenditures	\$ 2,248	\$ 2,268	\$ 2,054	\$ 2,190	\$ 2,294	\$ 2,068	\$ 2,112	\$ 2,253	\$ 2,351	\$ 2,459	\$ 2,593	\$ 2,413	\$ 2,540	\$ 2,503	\$ 2,227
Utility Vouchers	45	56	53	85	46	63	89	65	62	62	108	70	80		
Operating Vouchers	207	228	155	114	212	146	121	114	109	120	108	145	197		
Grant Vouchers									10	15			0		
Project Vouchers	12	-			7	16	0	0	10			37	0		
Estimated Expenditures															
Utilities														70	60
Operating														145	150
Projects														96	
Cash Balance after expenditures	\$ 1,984	\$ 1,984	\$ 1,846	\$ 1,991	\$ 2,029	\$ 1,843	\$ 1,902	\$ 2,074	\$ 2,160	\$ 2,262	\$ 2,377	\$ 2,161	\$ 2,263	\$ 2,192	\$ 2,017
Reserve Projects in Progress Budget Bal + Retainage	\$ 1,088	\$ 1,102	\$ 1,092	\$ 1,074	\$ 1,067	\$ 1,039	1179	1177	1238	1323	1323	1271	1283	1099	1099
Unallocated Cash Balance	\$ 896	\$ 882	\$ 754	\$ 917	\$ 962	\$ 804	\$ 723	\$ 897	\$ 922	\$ 939	\$ 1,054	\$ 890	\$ 980	\$ 1,093	\$ 918

Capital Projects In Progress Report

8/31/2015

Project Code	Project Name	Expenditures To Date	Budget	Budget Balance	Service Area	Funding	Financing	Date Began
DEBT & REIMBURSABLE PROJECTS								
31062	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
31085	West Lake-Dacula Shores Connection (Prison Project)	34,515.09	373,900.00	339,384.91	33-WR	Prison Project w/b paying for this!		10/26/2011
31103	Dacula Shores Connection to Prison Project	360.00	31,500.00	31,140.00	33-WR	Reserve		1/1/2014
Total Debt & Reimbursable Projects		686,352.72	1,048,634.14	362,281.42				
GENERAL RESERVE PROJECTS								
31040	Main Pump: motor, electrical, ventilation	94,489.45	389,160.82	294,671.37	32-SLV	Reserve		1/1/2012
31043-5	Scada System Upgrade	-	82,000.00	82,000.00	33-WR	Reserve		1/1/2015
31080-3	Collection System-Inflow & Infiltration repairs	28,850.00	177,825.00	148,975.00	33-SL	Reserve		1/1/2014
31095	Clarifier I-Beam Re-Coat	4,702.84	95,100.00	90,397.16	32SLV	Reserve		1/16/2013
31107	Digester Bldg Brick Repair	39,235.00	42,000.00	2,765.00	32SLV	Reserve		1/16/2013
31098	Shop Slide Gates	937.50	23,000.00	22,062.50	32SLV	Reserve		1/16/2013
31099	Buildings & Grounds Lakeville	12,726.00	20,000.00	7,274.00	32SLV	Reserve		1/16/2013
31104	Lake Forest Water Main	3,039.60	102,000.00	98,960.40	33WR	Reserve		1/1/2014
31105	Slagel Park Water System Upgrade (Pine Tree)	3,033.35	120,400.00	117,366.65	33WR	Reserve		1/1/2014
31106	Niver Road-Overcoat Tank	3,366.00	60,000.00	56,634.00	33WR	Reserve		1/1/2015
	Crossroads Commerce Park Sewer	-				IDA matching Grant		10/28/2014
Total Reserve Projects		190,379.74	1,111,485.82	921,106.08				
TOTAL OF ALL PROJECTS (a/c #1600)		876,732.46	2,160,119.96	1,283,387.50				
2015 Completed Projects								
31097	20A Vault PRV	19,136.68	19,750.00	613.32	33WR	Reserve		1/16/2013
31102	GS Plant Improvements-Sludge Bldg Bagger	44,107.26	48,800.00	4,692.74	32SD	Reserve		1/1/2013
31060	South Lima-Not closed just did not move forward	-	-	-				8/13/2015
Total 2015 completed projects		63,243.94						
2014 Completed Projects								
31080-2	Collection System-Inflow & Infiltration repairs	100,183.00	188,348.00	88,165.00	33-SL	Reserve		1/1/2011
31043-4	Scada System Upgrade	61,542.17	65,614.00	4,071.83	33-WR	Reserve		1/1/2014
Total 2014 completed projects		161,725.17						
2013 Completed Projects								
31074	Airport Tank Site -Chlorine room construction	46,041.39	53,750.00	7,708.61	33-WR	Reserve		1/1/2011
31045	Entrance Chamber-Influent Screen-LeClaire pmt	12,768.89			32-SLV	Consent Order	ST EFC'09	8/16/2009
31100	Drying Bed Repair	4,100.00	4,000.00	(100.00)	32SLV	Reserve		1/1/2013
31091	2012 General Electric Improvements	119,166.26	118,206.00	(960.26)	33WRSL	Reserve	done as of 8/31/13	1/1/2012

Livingston County Water & Sewer Authority
Non-Residential Sewer Rates/Fees
2016 Budget

	Service Rate per 18,000 gals			Debt Charge per Unit/Year			Debt Charge description
	2015	2016	Inc/Dec	2015	2016	Inc/Dec	
Lakeville WWTP (SL)							
Lake/Lakeville, Lakeville Village Estates, Country Elegance, Livonia Center, Hemlock Hemlock - out of district users only	4.27	4.33	0.06	68.00	72.00	4.00	WASA-Capital Bond - SL Plant & Collection System (WS-SL-D)
	4.27	4.33	0.06	228.00	228.00	-	T Livonia bond reimb (TLIV-SH-D)
				68.00	72.00	4.00	WASA-Capital Bond - SL Plant & Collection System (WS-SL-D)
Conesus	4.27	4.33	0.06	68.00	72.00	4.00	WASA-Capital Bond - SL Plant & Collection System (WS-SL-D)
Village of Livonia	4.27	4.33	0.06	48.00	52.00	4.00	WASA-Capital Bond - SL Plant (WS-SLV-D)
Town of Avon, South of I390	4.27	4.33	0.06	60.00	60.00	-	Liv County project reimb (LCS8-D)
				48.00	52.00	4.00	WASA-Capital Bond - SL Plant (WS-SLV-D)
Village of Avon WWTP (SA)							
Avon/Lakeville	4.27	4.33	0.06	60.00	60.00	-	Liv County project reimb (LCS8-D)
Avon - Polebridge Extension	4.27	4.33	0.06	60.00	60.00	-	Liv County project reimb (LCS8-D)
Groveland Station WWTP (SD)	5.11	5.16	0.05	-	-	-	
Village of Mt Morris WWTP (SM)							
Town of Groveland (ARS)	7.83	7.88	0.05	60.00	60.00	-	Liv County project reimb (LCS10-D)
Leicester	7.83	7.88	0.05			-	

Livingston County Water & Sewer Authority
Residential & Commercial Water Rates/Fees
2016 Budget

	Water Service Rate per year						Debt Charge			
	per Unit			per Thousand			2015	2016	Inc/Dec	
	2015	2016	Inc/Dec	2015	2016	Inc/Dec				
<u>Hemlock Supply (WR)</u>										
Town of Conesus	140	144	4.00	3.50	3.50	-				
Town of Livonia (S Livonia, Lakeville, Hemlock)	140	144	4.00	3.25	3.25	-				
South Livonia Rd, Conesus-out dist	140	144	4.00	3.50	3.50	-	347	347	-	Liv County project bond (LC-zone3-D)
Scottsburg, out of district users	140	144	4.00	3.50	3.50	-	393	393	-	Liv County project bond (LC-WR3-D)
Town of Livonia-East Lake Rd	140	144	4.00	3.25	3.25	-	365	365	-	T Livonia project bond (TLIV-WE8-D) possibly ending in 2018
Town Groveland-Groveland Station	140	144	4.00	3.50	3.50	-	256	256	-	WASA-EFC project bond (WS-WR10-D)
Town Geneseo Out-of-district	140	144	4.00	3.50	3.50	-	226	226	-	WASA-T Gen out of dist (WS-WR1-D)
Wholesale				2.00	2.00	-				
Wholesale: Liv/Grove Correctional					2.55					
Village Livonia (they set own rates)	180	180	-	5.50	5.50	-				includes 10,000 gal in base rate
<u>Monroe County Supply (WL)</u>										
Lehigh Valley, Caledonia	<i>Monroe County Operates & Maintains completely</i>									
<u>Town of Avon Supply (WB)</u>										
South Avon (AKZO)	208	212	4.00	6.08	6.08	-				
<u>Village of Mt Morris Supply (WM)</u>										
Town of Groveland - ARS	176	180	4.00	5.85	5.85	-				
<u>Village of Caledonia Supply (WC)</u>										
Caledonia - District #1	108	112	4.00	4.50	4.50	-				
Wholesale	1836	1836	-	2.04	2.04	-	<i>rate remains same as published Monroe Co Water Authority wholesale rate</i>			
<u>Village of Avon Supply (WA)</u>										
Caledonia - District #3	140	140	-	5.00	5.35	0.35				
<u>Town of Geneseo Supply (WG)</u>										
Town of Groveland - South Cove	140	140	-	3.50	3.50	-	260	260	-	Liv County project Bond (WS-WG-D)
Town of Groveland-WLR	128	136	8.00	4.20	4.20	-	60	60	-	Dacula Shores connection

32.

34.

Livingston County Water & Sewer Authority
PERMITS
2016 Budget

	WATER PERMITS & Related Items									Items included in fee
	3/4"			1"			1 1/3 - 2"			
	2015	2016	Inc/Dec	2015	2016	Inc/Dec	2015	2016	Inc/Dec	
Residential	560.00	560.00	-	650.00	650.00	-	1,430.00	1,430.00	-	meter,check valve,coupling,inspection
Commercial	850.00	850.00	-	930.00	930.00	-	1,720.00	1,720.00	-	meter,check valve,coupling,inspection
Meter Pit	705.00	705.00	-	880.00	880.00	-	n/a	n/a		meter pit
Meter Pit Installation	970.00	970.00	-	970.00	970.00	-	n/a	n/a		meter pit installation
New Service Tap w/out Rd Bore	2,250.00	2,250.00	-	2,250.00	2,250.00	-	2,250.00	2,250.00	-	up to 2"
New Service Tap w/ Road Bore	3,060.00	3,060.00	-	3,060.00	3,060.00	-	3,060.00	3,060.00	-	up to 2"
Water Meter	130.00	130.00	-	202.00	202.00	-	720.00	720.00	-	replacement meter
Base Plate	5.00	5.00	-	5.00	5.00	-	n/a	n/a		replacement bottom meter plate
Dual Check Valve	64.00	64.00	-	72.00	72.00	-	n/a	n/a		replacement check valve
Installation over 2 inches	calculated at cost of contractor plus permit price									

	SEWER PERMITS						
	4"			>4"			Items included in fee
	2015	2016	Inc/Dec	2015	2016	Inc/Dec	
Residential - existing lateral permit	160.00	160.00	-	160.00	160.00	-	inspection
Non-Residential - existing lateral	640.00	640.00	-	640.00	640.00	-	engineering review & inspection
Residential - new lateral, short side	3,040.00	3,040.00	-	calculated at cost of contractor plus permit price			lateral installation & cleanout
Non-Residential-new lateral, short side	3,370.00	3,370.00	-	calculated at cost of contractor plus permit price			lateral installation & cleanout
New lateral - long side	calculated at cost of contractor plus permit price			calculated at cost of contractor plus permit price			lateral installation & cleanout

Livingston County Water & Sewer Authority

MISCELLANEOUS FEES

2016 Budget

	2015	2016	Inc/Dec
Violation of Water/Sewer Rules/Regulations-chg per day	300.00	300.00	-
Non-Working Meter Fee (to be charged per qtr until fixed)	100.00	100.00	-
Bad Check (INSF)	20.00	20.00	-
Sewer/Water Capp-off Inspection	100.00	100.00	-
Sewer/Water Reconnection Inspection	100.00	100.00	-
Meter Not Working fee	100.00	100.00	-
Manhole Raising	295.00	295.00	-
Water - Final Read/Re-read	35.00	35.00	-
Sewer Camera use per hour - off road	110.00	110.00	-
Sewer Camera use per hour - on road	215.00	215.00	-
Sewer Cleaner use per hour - off road	96.00	96.00	-
Sewer Cleaner use per hour - on road	210.00	210.00	-
Straight-time rate per hour	42.00	42.00	-
Overtime rate per hour	62.00	62.00	-
No show on an appointment per incidence	60.00	60.00	-
Pick-up truck use per hour	28.00	28.00	-
Backhoe use per hour	25.00	25.00	-
Dump Truck use per hour	31.00	31.00	-
Truck & Trailer use per hour	32.00	32.00	-
Tapping Machine use per hour	18.00	18.00	-
Safety Equipment use per hour	16.00	16.00	-
Miscellaneous Equipment use per hour	16.00	16.00	-

Summary of Consolidated 2016 Budget

	2016 Budget	2015 Budget	2014 Actual
Total Revenues	\$2,943,375	\$2,792,528	\$2,742,333
Salaries & Fringes	\$1,022,368	\$1,088,200	\$1,044,577
Professional Services	\$300,690	\$184,138	\$165,013
Utilities	\$298,541	\$285,555	\$289,661
Purchased Water & Sewer	\$528,900	\$475,431	\$518,501
Equipment Expense	\$67,441	\$65,031	\$19,674
Building Expense	\$371,167	\$332,536	\$371,675
Vehicle Expense	\$36,200	\$35,540	\$30,096
Other Expenses	\$45,088	\$59,171	\$38,952
Total Expenses	\$2,670,395	\$2,525,602	\$2,478,149
REVENUES less EXPENSES	\$272,979	\$266,926	\$264,184
Reserve Allowance (10%)	\$249,540	\$252,560	\$247,815
REVENUES less EXPENSES less RESERVE	\$23,439	\$14,366	\$16,369

Livingston County Water & Sewer Authority
REPAIR PROJECTS

2016 Budget

Updated: August 13, 2015

Where	Project Names	In-progress Budget Balance	2016 Budget project appropriations	Funding	Notes
Lakeville Sewer Plant	Motor for #2 Main Pump (31040)	294,671		Reserve	
	Paint I-Beams on circular clarifiers (31095)			Reserve	<i>completed 2015</i>
	Shop - slide gates (31098) Expected to be completed late 2015			Reserve	<i>Preventative improvement to avoid flood damage if flood elevations ever increase over 821'. The gates are used to stop water from entering influent bldg at the doors. - currently in case of flood, sand bags w/b used, but slide gates are more reliable</i>
	Buildings & Grounds (31099)	7,274			
	Digester Bldg Brick Repair (31107)			Reserve	<i>To maintain building integrity(completed)</i>
Lakeville Sewer Collection	Collection System Inflow & Infiltration (31080)	148,975	80,000	Reserve	<i>on-going</i>
	Adams Rd & Clay St. Wet Wells		90,000	Reserve	
	Wet Well Monitoring		80,000		
					<i>Cost of sludge hauling: 2011: \$11,160, 2012: \$5,830 to July 31st</i>
	Steene water Project - South Lima Rd (31060)	-		MEA	project never moved forward
	Dacula Shores Connection	31,140			<i>A 350 ft line up Dacula Shores to a Hydrant & will include 4 services</i>
	Dacula Shores Connection (31085)	339,385		State Project	<i>Prison Project (not approved at budget preparation time)</i>

Livingston County Water & Sewer Authority
REPAIR PROJECTS

2016 Budget

Updated: August 13, 2015

Where	Project Names	In-progress Budget Balance	2016 Budget project appropriations	Funding	Notes
Hemlock Water Distribution	Lake Forest Water Main(31104)	98,960		Reserve	<i>Replaces water line in this mobile home park of approx 750 ft of 8 inch water main & installs 27 new services & several new hydrants.</i>
	Overcoat the Niver Road Tank(31106) (completed 2015)			Reserve	
	Slagel Park Water System Upgrade(31105)	117,367		Reserve	<i>Replacement of approx. 2000 ft water main in Pine Tree Mobile Home Park. Includes 32 new services for the park. It is hoped that this project will be included in the bidding process for the prison project.</i>
All Areas					
	Scada Improvements (2) (31043)	69,672		Reserve	<i>Removal of 5 Bristol Babcock control units in the Hamlet of Hemlock & movement of telemetry out of the power cabinets which results in a safer installation for maintenance purposes. The last area for Bristol unit replacement will be Groveland Station.</i>
Total Capital Repair Projects		1,107,444	250,000	1,357,444	

Equipment - Depreciable greater than \$10,000 (Fixed Assets)

2016 Budget

Updated: August 13, 2015

<i>List disposals with notes as to how it will be disposed of & also list new equipment & whether the new equipment is a replacement of old equipment or not</i>	Replace or New	Purchase Price	Sale Price	Where	Notes
15110 DP, Electronic, Communic Equip		-	-		
15120 / Automotive Equipment* 2016 truck Sale of old truck-2010 F150 4x 4	Replace	26,000 26,000	8,000 8,000	teitsworth	
15130 Bldg Maint, Tools, Machines Backup Highspeed Pump	New	35,000 35,000	-		
15220 Buildings					
Total Fixed Assets		61,000	8,000		