



JOINT BOARD OF MANAGEMENT

Wednesday, September 16, 2020

9:00 AM

Virtually in Zoom

AGENDA

A. Call to Order:

B. Disclosures of Pecuniary Interest:

C. Approval of Minutes:

Minutes of the meeting of the Union Water Supply System Joint Board of Management Meeting held Wednesday, July 15, 2020
Pages 2 - 6

D. Business Arising Out of the Minutes

E. Items for Consideration:

1. UW/20/20 dated September 10, 2020, re: Changes to Leamington UWSS Board Member Appointment
Page 7
2. UW/21/20 dated September 11, 2020 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to September 11, 2020
Pages 8 - 11
3. UW/22/20 dated September 11, 2020 re: Payments from July 11th to September 11th, 2020
Pages 12 - 22

F. New Business:

G. Adjournment:

H. Date of Next Meeting: October 21, 2020, 9:00 am TBA

/kmj



JOINT BOARD OF MANAGEMENT

Wednesday, July 15, 2020
9:00 AM

Virtually in Zoom

MINUTES

Members Present: Mayor MacDonald (Chair); Deputy Mayor Verbeke, Councillors Dunn, Jacobs, Hammond - Leamington
Mayor Santos, Deputy Mayor Queen, Councillors DeYong, Neufeld, Patterson - Kingsville
Councillor VanderDoelen - Essex
Mayor Bain (alternate) - Lakeshore

Municipal Staff Present: Councillor Wilkinson - Leamington

UWSS Staff Present: Rodney Bouchard, Manager UWSS
Khristine Johnson, UWSS Recording Secretary

Municipal Staff Present: Kevin Girard - Essex
Shaun Martinho - Kingsville
Albert Dionne - Lakeshore
Shannon Belleau - Leamington

OCWA Staff Present: Susan Budden
Dale Dillen, Ken Penney

Call to Order: 9:05 am

Disclosures of Pecuniary Interest: none

Adoption of Board Minutes:

The Regular Minutes of the Union Water Supply System Joint Board of Management meeting held virtually on Wednesday, June 17, 2020 is received.

No. UW-33-20

Moved by: Deputy Mayor Verbeke

Seconded by: Councillor DeYong

That the Regular Meeting Minutes of the UWSS Joint Board of Management meeting of June 17, 2020 is approved..

Carried**Business Arising Out of the Minutes:**

There was none.

Report UW/18/20 dated July 10, 2020 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to June 12, 2020

The Manager thanks all members for attending the zoom meeting and reminds members that staff are continuing to work remotely as much as possible.

The Manager updates members on the projects that are ongoing and repairs taking place throughout the system.

Particularly the Manager indicated Low Lift pump #5 has been received from supplier and should be installed and commissioned during the following week.

The Manager reminds members that UWSS supplied water to the Harrow/Colchester WTP from June 8 to June 19, 2020. During the last board meeting members were informed that the interconnect should be closed by the end of the week. He confirmed that indeed the interconnects were closed and the UWSS was no longer supplying water to Harrow. Currently, he is working with OCWA staff to determine the amount of water that needs to be charged to Harrow.

At the beginning of June, while reading the billing meters, it was noted that billing meter #21 has failed. This billing meter is one of the four that are connected to the Town of Lakeshore. This particular meter was replaced and staff will be working to ensure that the flows numbers are corroborated, but the next reading is not until the end of July.

The actuator on Filter #5 "A" side failed. Staff removed the part and ordered the replacement part. It is expected that the work to re-install the new actuator will be completed by the end of this week. A spare actuator will now be ordered and kept in storage as it can be used on Filters #5-8.

The Manager informed the board that unfortunately a roof leak was detected near the operator's desk and adjacent to the SCADA server cabinet. This leak has caused some issues during heavy rain events. Repairs have been made several times, but unfortunately they do not last long. The UWSS/OCWA staff are in the process of obtaining quotes for a full roof repair. The Manager notes that the roof is not really that old, but there have been several issues. He is looking into any potential warranties that still might be viable.

The SCADA project continues to be on hold until September when flows are lower and the contractor can come in and actually work on the system. This will require lower flows as parts of the system will have to be shut down during this process. The Manager also notes that the CO2 pH Adjustment system project is complete aside from some of the land grading, which didn't take very well and will have to be adjusted. He does confirm that the system is working well and operators are liking the new system.

The Manager then explains that the project engineer for the Kingsville Water Tower (KWT) project has suggested that this project be placed on hold until 2021. This recommendation is due to a number of issues; namely, at this time costs have become prohibitive and over budget due to extra costs associated with COVID, contractors are very busy, it is getting later in the year and runs the risk of running into colder weather, shipping delays from the USA and the timing would be very tight. The Manager feels Spring 2021 might be a better consideration, with tendering occurring in the Fall of 2021.

The Manager reminds members of the hydrant retrofit project, but confirms that this project will most likely be completed the following week and he is hopeful that data will start being collected one week after installation completion. He notes that this will help with pressure fluctuations and main breaks.

Empire Communications should be on the UWSS properties on August 10th to start installing the security cameras and the controlled access to the facilities. This will allow the UWSS properties to be monitored safely.

The Manager notes that he is waiting for an update from the project engineer NJ Peralta regarding the sewer force main. The County of Essex and the Town of Kingsville are working together to get this item approved.

The Manager is hoping to acquire the services of Associated Engineering (AE) to complete a Computational Fluid Dynamics Study for the Cottam Booster Station (CBS). This is part of the capital works budget. This will help determine the best reservoir mixing strategy for the CBS.

The Manager then confirms that the flows from the WTP are very high this summer, especially during the heat wave experienced at the beginning of July. He notes that the WTP has the capacity however, at several points in time the plant was pushing out 22,000 gallons per minute, which is above production capacity. This occurred for about four (4) hours. He is now considering another reservoir on site to help with this situation, once he has further information he will bring this back to the board.

The Manager then answers several questions regarding the report. Councillor Neufeld asks how long the data will be stored from the hydrant retrofit project. The Manager notes that data is collected every 15 minutes to start and should be kept in perpetuity. The package purchased can be adjusted as things progress.

Councillor Hammond inquires about water use and how much is being used by greenhouses and residential. The Manager feels it might be as high as 50% towards greenhouses, but he will work with municipalities to determine a more accurate number. He notes that he has sent out an email to municipal colleagues and there is a meeting scheduled regarding this topic prior to the end of July. The UWSS really needs to be on top of this as the greenhouse applications keep coming in.

Councillor DeYong asks if there are any development charges assigned to the municipalities regarding the reservoir expansion. The Manager indicates that this is something that could be determined with further meetings.

Councillor Patterson commends the Manager for waiting on the KWT project. He has noted that the trend among some contractors is to try and ply extra cash for project completion, sighting being busy as the reason. He confirms that it is a good idea to wait on this project to try and keep costs down. The Manager confirms he was assured that by waiting the project would obtain better costing.

No. UW-34-20

Moved by: Councillor Patterson

Seconded by: Deputy Mayor Queen

That report UW//18/20 dated July 10, 2020 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to July10, 2020 is received.

Carried (UW/18/20)

Report UW/19/20 dated July 10, 2020 re: Payments from June 26 to July 10, 2020**No. UW-35-20**

Moved by: Mayor Santos

Seconded by: Councillor Neufeld

That report UW/19/20 dated July 10, 2020 re: Payments from June 26 to July 10, 2020 is received.

Carried (UW/19/20)

New Business

Mayor Santos asks for confirmation from the Manager that the greenhouse applications are going through the standards protocols for completion. The Manager explains that the applications are:

- received by the Municipalities from the greenhouse operations
- forwarded to the engineer and the UWSS
- Stantec Consulting reviews and assesses the greenhouse applications and creates a report
- Stantec's report is then sent back to the Municipalities and the UWSS providing their recommendations

The Manager notes that Stantec Consulting maintains the model for the pressures.

Councillor Patterson notes that the algae has been spotted at the tip of Point Pelee. The recording secretary notes that the Harmful Algae Bloom bulletins are still being

posted on the website as received and that NOAA is still predicting a smaller bloom than usual, but thanks Councillor Patterson for the observation.

Adjournment

No. UW-36-20

Moved by: Councillor Dunn

Seconded by: Councillor Jacobs

That the meeting adjourn at 9:33 am

Carried

Date of Next Meeting: Wednesday, September 16th, 2020 virtually in zoom.

/kmj

UW/20/20

To: Chair and Members of the Union Water Supply
System Joint Board of Management

From: Rodney Bouchard, Union Water Manager

Date: September 10, 2020

Re: Changes to Leamington UWSS Board Member Appointments



Recommendation:

That the UWSS Board receives this report for information purposes.

Background:

As part of the Transfer Order for the Union Water Supply System, Transfer Order Union W1/1999 dated January 8, 2001, each municipality that is an owner of the Union Water Supply System has authority to appoint members to the Board in accordance with the provisions of the Transfer Order. Municipal appointments are typically made following a municipal election. However, changes to these appointments can be made at the discretion of the Councils for each municipality.

Discussion:

On September 9, 2020 the UWSS was informed by the Municipality of Leamington's Clerk of the following:

At the September 8, 2020 Meeting of Council for the Municipality of Leamington, the Council authorized removing Councillor Wilkinson as member from the Union Water Supply System Joint Board of Management and appointing him as an alternate member, effective September 13, 2020 and appointing Councillor Tiessen as regular member of the Union Water Supply System Joint Board of Management, effective September 13, 2020.

The UWSS General Manager would like to thank Councillor Wilkinson for his service on the Union Water Supply System Joint Board of Management.

Further, the UWSS General Manager would like to welcome Councillor Tiessen as a Regular member of the Union Water Supply System Joint Board of Management.

Respectfully submitted,



Rodney Bouchard, P. Geo., General Manager
Union Water Supply System Joint Board of Management
rb/kmj

UW/21/20

To: Chair and Members of the Union Water Supply
System Joint Board of Management

From: Rodney Bouchard, UWSS General Manager

Date: September 11, 2020

Re: Status Update of UWSS Operations & Maintenance Activities and Capital
Works to September 11, 2020



Aim:

To inform the UWSS Board about operational and maintenance activities and capital works projects for the Union Water Supply System since the last Board meeting on July 15, 2020.

Discussion:

The UWSS Manager conducts regular meeting with OCWA Operations staff in regards to on-going operations and maintenance programs for the UWSS facilities. The following provides an update on UWSS operations, regular maintenance and major maintenance and Capital Works at UWSS facilities:

1. Regular Maintenance on all process equipment and analyzers continue to be completed through OCWA's Workplace Maintenance Management System.
2. During bi-monthly readings of billing meters, it was noted that flow meter #13 had failed. A new meter was purchased and installation is anticipated for the week of September 14th, 2020.
3. At the July 15, 2020 UWSS Board meeting, it was reported that Low Lift pump #5 had been repaired and received from the contractor, Nevro. This pump has since been installed and is in service.
4. At the July 15, 2020 UWSS Board meeting it was reported that Filter #5 "A" side main wash valve actuator had failed. Filter #5 "A" side main wash valve actuator has been replaced with a new one, and a spare one was purchased to prevent future down time.
5. At the July 15, 2020 UWSS Board meeting, it was reported that a roof leak located near the operator's desk and adjacent the SCADA server cabinet had been causing some issues during heavy rainstorms. Gillett Roofing was retained to complete a repair that appears to have been successful.
6. DiMenna Excavating Contractors of Ruthven, ON was retained to remove the remainder of the residuals solid pile for delivery to and use as daily cover at Essex Windsor Solid Waste Authority Landfill. This work has been completed.

Re: UW/21/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to September 11, 2020

DiMenna was also retained to clean out the solids from the south lagoon and to stage it for drying. As of the date of this report, the completion of this work was delayed due to rain but is almost complete.

7. SCADA Upgrade Project Update: UWSS and OCWA staff are working with the project consultant (Associated Engineering) and the SCADA system integrator (SUMMA Engineering) to get on-site work started up again on September 28, 2020. Full COVID-19 protocols will be in place during the on-site work to protect essential staff.
8. The Kingsville Water Tower Rehabilitation project has been delayed until Spring 2021. This project will be tendered in October-November 2020 for work to be initiated in Spring 2021. The project engineer, OCWA Engineering Services, is currently preparing engineering specs and tender package for the water tower recoating, and safety upgrades so that all is ready for the Fall 2020 tendering of this work.
9. At the July 15, 2020 UWSS Board meeting, it was reported that Eramosa Engineering of Guelph, ON was retained to provide design/engineering consulting services for the provision and retrofit of 12 hydrants in the larger UWSS distribution system to include real time monitoring capabilities for pressure and temperature. The installation of this instrumentation was completed on July 20-22, 2020 and real-time data acquisition is in operation. UWSS and OCWA staff are working with Eramosa to establish the appropriate reports and graphs to be generated through the software and information to be displayed on the dashboard.

UWSS has also solicited a proposal from Eramosa to develop a plan for establishing real time monitoring and reporting capabilities from UWSS' 16 existing boundary billing meters.
10. At the July 15, 2020 UWSS Board meeting, it was reported that Empire Communications of Windsor, ON was retained through a quoting process to supply and install an access control security system for UWSS facilities. This will include an upgrade to the video camera security system currently in-place and provide access control to UWSS facilities including the Low Lift Pumping Plant, Ruthven Water Treatment Plant and Cottam Booster Station. Installation of the system was started on August 10, 2020. It is anticipated that the work at the main building/treatment plant will be completed by the end of September at which time Empire Communications will start the work at the remote facilities.
11. At the July 15, 2020 UWSS Board meeting, it was reported that NJ Peralta Engineering of Kingsville had been retained for engineering services for the installation of a sewage force main for the UWSS Ruthven Water Treatment Plant and for the new parking area proposed at the Treatment Plant. The design of the parking lot and proposed sewage force main has been reviewed and approved. Support from the Town of Kingsville for connection of force main to Town of Kingsville sanitary sewer system has been received. UWSS was

Re: UW/21/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to September 11, 2020

- recently informed by the County of Essex that an Easement and Road Use Agreement was needed between UWSS and County of Essex for this work to proceed. This agreement is currently in development. It is hoped that the construction work can still be completed in the Fall of 2020.
12. Associated Engineering is currently working on the Dissolved Air Flotation design for retrofit into Clarifier #2. This clarifier will be taken out of service the first week of October 2020 for an inspection by the design engineers.
 13. Nevro has been retained to install a new flow meter on the raw water line #2. This work is scheduled for completion in October or November 2020 depending on water demand conditions.
 14. New Inlet valves for filters #2 and #4 have been purchased and will be installed later in the fall once water demands decrease enough to allow for shut down of these Filters.
 15. Automation of the isolation valve automation at the Leamington water tower will be completed in tandem with the SCADA project work. The automation of this valve will allow control of the valve from the operator's desk as opposed to the current situation where it needs to be done in the field remotely. This will enable the SCADA system and desk operator to better manage water levels in both the Leamington Water tower and the nearby Albuna Water Tower.
 16. As reported at the May 20, 2020 UWSS Board meeting, UWSS retained OCWA Engineering Services (OCWA ES) to provide engineering and project management services for the rehabilitation of the concrete boxes for Filters #2 and #4 since these boxes were noted to be leaking. These two filters are original to the water treatment plant and date back to 1959. OCWA ES is in process of developing a tender package for this work, including specifications. It's anticipated that the rehab of Filter #4 will be initiated in November 2020 and followed by Filter #2 in January 2021.
 17. OCWA Operations has been making small adjustments to the new CO2 system over the past few months which has resulted in identifying the proper dosage of CO2 to enhance the coagulation process, reduce the effluent aluminum residual and prevent the effluent pH from dropping too low.
 18. The UWSS is working with the University of Windsor-GLIER to establish a real time monitoring network in Lake Erie to monitor water quality and current patterns in the vicinity of UWSS drinking water intakes. As of the date of this report, 3 buoys have been deployed in the vicinity of UWSS water intakes by University of Windsor-GLIER under their Real-time Aquatic Ecosystem Observation Network (RAEON) program. Two of the buoys include a number of instrument sensor lines that are reporting data regularly. The third buoy is yet to be functional.

Re: UW/21/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to September 11, 2020

19. UWSS has solicited a proposal from a consultant team of C3 Water Inc and Stantec Engineering - Windsor in regards to a proposed joint study between UWSS and Windsor Utilities to investigate possibilities for redundancy in water supply servicing between the two water systems should a water supply emergency arise in one of the water systems.

20. UWSS has solicited a proposal from a consultant team consisting of C3 Water Inc and Associated Engineering for development of a new Master Plan for UWSS. A new Master Plan is being considered due to the significant increases in treated water demand over the last 4 years.

The first chart shows comparative flows for 2016 through 2020 in Mega Litres (ML) and the second chart shows Millions of Imperial Gallons (MIG) for the period January 1st to September 10th, 2020.

	2016	2017	2018	2019	2020
Flow to Date (ML)	11,528.74	11,324.57	12,258.27	12,421.19	14,228.11
Max Day (ML)	76.16	75.57	82.48	85.40	97.33
Min Day (ML)	19.49	20.73	20.28	20.13	25.44
Average Day (ML)	45.39	41.71	44.32	46.14	56.02
No of Days	254	365	365	365	254

	2016	2017	2018	2019	2020
Flow to Date (MG)	2536.02	2491.11	2696.5	2732.33	3129.809
Max Day (MGD)	16.75	16.62	18.14	18.79	21.41
Min Day (MGD)	4.29	4.56	5.18	4.43	5.60
Average Day (MGD)	9.98	9.85	10.66	10.80	12.32
No of Days	254	253	253	253	254

Flows to date are up 1806.92 ML (397.48 MIG) or 14.55% from last year. The 2020 flows to date are up 19.73% over the previous 4 year average.

Recommendation:

That this report be received by the UWSS Board for information purposes.

Respectfully submitted,



Rodney Bouchard, Manager
Union Water Supply System Joint Board of Management

/kmj

UW/22/20

To: Chair and Members of the Union Water Supply
System Joint Board of Management

From: Rodney Bouchard, Union Water Manager

Date: September 11, 2020

Re: Payments for the July 11th to September 11th, 2020



Aim:

To provide the Board with a copy of payments made by the Union Water Supply System from July 11th to September 11th, 2020

Recommendation:

For information purposes.

Respectfully submitted,



Rodney Bouchard, Manager
Union Water Supply System Joint Board of Management
/kmj

Council/Board Report By Dept-(Computer)



AP5130

Page : 25

Date : Jul 24, 2020

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Vendor : 0011450 To PT00000193

Batch : All

Department : All

Cheque Print Date : 22-Jul-2020 To 23-Jul-2020

Bank : 07 To 08

Class : All

Vendor Invoice	Vendor Name Description				Batch	Inv Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name				Amount
DEPARTMENT 0700	Union Water System							
020120	BELL MOBILITY CELLULAR							
514877178-JUL	MONTHLY CELL PHONE CHARGES				386	01-Jul-2020	22-Jul-2020	
70-5-0700-7110	002070	002083		Telecommunications Usage				21.63
030004	C3 WATER INC							
202006-410	WATER MODELING UPDATES				388	30-Jun-2020	22-Jul-2020	
70-5-0700-7989	002075			Operational Programs & Studies				1,061.92
130838	MUNICIPALITY OF LEAMINGTON							
530-17700 JUL	TAXES - 446 TALBOT W				388	17-Jul-2020	22-Jul-2020	
70-5-0700-6750	002072			Property Tax				1,001.52
					Department Totals :			2,085.07



Vendor : 0011450 To PT00000193
Batch : All
Department : All

EFT Paid Date : 22-Jul-2020 To 23-Jul-2020
Bank : 07 To 08
Class : All

Vendor Code	Vendor Name				Batch	Invc Date	Invc Due Date	Amount
Invoice No.	Description							
G.L. Account	CC1	CC2	CC3	GL Account Name				
DEPARTMENT	0700	Union Water System						
010045	AIR LIQUIDE CANADA INC.							
71678549	CARBON DIOXIDE				389	16-Jul-2020	22-Jul-2020	
70-5-0700-7080	002080		Operational Supplies					3,770.37
050099	ENBRIDGE GAS INC							
1929770177678	37.97M3 GAS - COTTAM BOOSTER STATION				389	13-Jul-2020	22-Jul-2020	
70-5-0700-7410	002073		Gas					36.73
080250	HYDRO ONE NETWORKS INC							
200141677460-	JUN/20 HYDRO - RUTHVEN WATER TREATMENT PLANT				389	09-Jul-2020	22-Jul-2020	
70-5-0700-7420	002073		Electricity					91,503.61
200141680692-	JUN/20 HYDRO - LOW LIFT				389	09-Jul-2020	22-Jul-2020	
70-5-0700-7420	002073		Electricity					-24.35
70-5-0700-7420	002073		Electricity					49,655.13
200152134969-	JUN/20 HYDRO - METER #17				389	09-Jul-2020	22-Jul-2020	
70-5-0700-7420	002073		Electricity					-11.70
70-5-0700-7420	002073		Electricity					41.57
200208899066-	JUL/20 HYDRO - METER#16				389	16-Jul-2020	22-Jul-2020	
70-5-0700-7420	002073		Electricity					-36.48
70-5-0700-7420	002073		Electricity					129.64
Department Totals :								145,064.52



Vendor : 0011450 To PT00000193

Batch : All

Department : All

EFT Paid Date : 05-Aug-2020 To 07-Aug-2020

Bank : 07 To 08

Class : All

Vendor Code	Vendor Name				Batch	Invc Date	Invc Due Date	Amount
Invoice No.	Description							
G.L. Account	CC1	CC2	CC3	GL Account Name				
DEPARTMENT 0700	Union Water System							
030405	COLLABRIA							
INV28955331	ZOOM SUBSCRIPTION				408	01-Jul-2020	06-Aug-2020	
70-5-0700-7270		002070	008002	Software Purchases				229.39
STAR-JUN20	STAR SUBSCRIPTION				408	13-Jun-2020	06-Aug-2020	
70-5-0700-7020		002070		Dues, Memberships and Subscriptions				16.94
050099	ENBRIDGE GAS INC							
1929770208308	1081.58M3 GAS - RUTHVEN WTP				423	22-Jul-2020	05-Aug-2020	
70-5-0700-7410		002073		Gas				395.85
1929770217397	0M3 GAS - LOW LIFT				423	24-Jul-2020	05-Aug-2020	
70-5-0700-7410		002073		Gas				25.43
050195	ESSEX POWERLINES CORPORATION							
220651-JUL20	268KWH - METER#4				423	21-Jul-2020	05-Aug-2020	
70-5-0700-7420		002073		Electricity				-26.49
70-5-0700-7420		002073		Electricity				94.12
253800-JUL20	0KWH - METER#23				423	20-Jul-2020	05-Aug-2020	
70-5-0700-7420		002073		Electricity				-12.10
70-5-0700-7420		002073		Electricity				42.99
080250	HYDRO ONE NETWORKS INC							
200141683726-	JUL/20 HYDRO - METER#15				423	27-Jul-2020	05-Aug-2020	
70-5-0700-7420		002073		Electricity				-15.42
70-5-0700-7420		002073		Electricity				54.79
200220161473-	JUL/20 HYDRO - METER#14				423	24-Jul-2020	05-Aug-2020	
70-5-0700-7420		002073		Electricity				-11.39
70-5-0700-7420		002073		Electricity				40.48
Department Totals :								834.59

MUNICIPALITY OF LEAMINGTON
Council/Board Report By Dept-(Computer)



AP5130 Page : 22
Date : Aug 13, 2020 Time : 8:06 am
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Vendor : 0011450 To PT00000193
Batch : All
Department : All

Cheque Print Date : 10-Aug-2020 To 13-Aug-2020
Bank : 07 To 08
Class : All

Vendor Invoice	Vendor Name Description				Batch Invc Date	Inv Due Date	Amount
G.L. Account	CC1	CC2	CC3	GL Account Name			
DEPARTMENT 0700 Union Water System							
020120 BELL MOBILITY CELLULAR							
514877178-AU	MONTHLY CELL PHONE CHARGES				435 01-Aug-2020	11-Aug-2020	
70-5-0700-7110	002070	002083		Telecommunications Usage			21.59
200348 CORPORATION OF THE TOWN OF KINGSVILLE							
300-01000 AUC	TAXES - 1391 UNION AVE				437 10-Aug-2020	11-Aug-2020	
70-5-0700-6750	002072			Property Tax			5,800.81
300-20100 AUC	TAXES - 1615 UNION AVE				437 10-Aug-2020	11-Aug-2020	
70-5-0700-6750	002072			Property Tax			58,512.52
590-02800 AUC	TAXES - 163 COUNTY RD 34E				437 10-Aug-2020	11-Aug-2020	
70-5-0700-6750	002072			Property Tax			8,872.92
050003 E.L.K. ENERGY INC							
40010915-01JL	3421KWH - ESSEX WATER TOWER				437 31-Jul-2020	11-Aug-2020	
70-5-0700-7420	002073			Electricity			-98.67
70-5-0700-7420	002073			Electricity			350.62
40047150-03-J	582KWH - METER#9				437 31-Jul-2020	11-Aug-2020	
70-5-0700-7420	002073			Electricity			-21.50
70-5-0700-7420	002073			Electricity			76.39
51976611-00-JL	1587KWH - KINGSVILLE WATER TOWER				437 31-Jul-2020	11-Aug-2020	
70-5-0700-7420	002073			Electricity			-86.77
70-5-0700-7420	002073			Electricity			308.32
90006300-01-J	81600KWH - COTTAM BOOSTER STATION				437 31-Jul-2020	11-Aug-2020	
70-5-0700-7420	002073			Electricity			-2,498.69
70-5-0700-7420	002073			Electricity			8,879.01
060150 FRANKLIN EMPIRE							
I5437917	FLOW METER - METER PIT#13				437 27-Jul-2020	11-Aug-2020	
70-7-0700-8750	002205			Watermains			9,072.25
Department Totals :							89,188.80



Vendor : 0011450 To PT00000193
Batch : All
Department : All

EFT Paid Date : 10-Aug-2020 To 13-Aug-2020
Bank : 07 To 08
Class : All

Vendor Code	Vendor Name								
Invoice No.	Description								
G.L. Account	CC1	CC2	CC3	GL Account Name	Batch	Inv Date	Inv Due Date	Amount	
DEPARTMENT 0700	Union Water System								
010103	ASSOCIATED ENGINEERING (ONT) LTD								
527858	SCADA UPGRADES - JUL10				446	23-Jul-2020	11-Aug-2020		
70-7-0700-8780				SCADA System				2,401.37	
527859	C02 PH ADJUSTMENT - JUL10				446	23-Jul-2020	11-Aug-2020		
70-7-0700-8745		700200		Treatment Plant				2,193.83	
527861	DAF PHASE 1 - JUL10				446	23-Jul-2020	11-Aug-2020		
70-7-0700-8745		700220		Treatment Plant				2,576.95	
080250	HYDRO ONE NETWORKS INC								
200141677460-	JUL/20 HYDRO - RUTHVEN WTP				446	10-Aug-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				108,836.38	
200141680692-	JUL/20 HYDRO - LOW LIFT				446	10-Aug-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-25.58	
70-5-0700-7420		002073		Electricity				60,161.76	
200141680894-	JUL/20 HYDRO - LEAMINGTON WATER TOWER				446	31-Jul-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-157.55	
70-5-0700-7420		002073		Electricity				559.87	
200141681706-	JUL/20 HYDRO - METER#2				446	30-Jul-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-12.81	
70-5-0700-7420		002073		Electricity				45.50	
200141682009-	JUL/20 HYDRO - ALBUNA WATER TOWER				446	05-Aug-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-107.11	
70-5-0700-7420		002073		Electricity				380.60	
200141683019-	JUL/20 HYDRO - METER#3				446	31-Jul-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-11.40	
70-5-0700-7420		002073		Electricity				40.52	
200141683120-	JUL/20 HYDRO - METER#5				446	05-Aug-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-11.47	
70-5-0700-7420		002073		Electricity				40.76	
200141683423-	JUL/20 HYDRO - METER#6				446	31-Jul-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-11.35	
70-5-0700-7420		002073		Electricity				40.34	
200141683524-	JUL/20 HYDRO - METER#8				446	30-Jul-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-11.57	
70-5-0700-7420		002073		Electricity				41.12	
200141687362-	JUL/20 HYDRO - METER#22				446	30-Jul-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-11.34	
70-5-0700-7420		002073		Electricity				40.32	
200141687766-	JUL/20 HYDRO - METER#29				446	30-Jul-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-12.98	
70-5-0700-7420		002073		Electricity				46.11	
200141687867-	JUL/20 HYDRO - METER#24				446	30-Jul-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-11.34	
70-5-0700-7420		002073		Electricity				40.30	
200152134969-	JUL/20 HYDRO - METER#17				446	10-Aug-2020	11-Aug-2020		
70-5-0700-7420		002073		Electricity				-11.42	
70-5-0700-7420		002073		Electricity				40.59	
995929	LAKESIDE PROCESS CONTROLS LTD.								
CD970086759	FLOWMETER				446	31-Jul-2020	11-Aug-2020		
70-7-0700-8720		700001		Clarifiers				9,555.87	
130120	MAPLE REINDERS CONSTRUCTORS LTD								
PC#13 25349	PMT#13 C02 INJ/CL2				446	30-Jun-2020	11-Aug-2020		



Vendor : 0011450 To PT00000193
Batch : All
Department : All

EFT Paid Date : 10-Aug-2020 To 13-Aug-2020
Bank : 07 To 08
Class : All

Vendor Code	Vendor Name					Batch	Inv Date	Inv Due Date	
Invoice No.	Description								
G.L. Account	CC1	CC2	CC3	GL Account Name					Amount
DEPARTMENT 0700 Union Water System									
70-7-0700-8745		700200		Treatment Plant					81,791.59
70-7-0700-8745		700200		Treatment Plant					9,087.95
150365 ONTARIO CLEAN WATER AGENCY									
INV0000000345	JUL/20 OPER&MTCE					446	31-Jul-2020	11-Aug-2020	
70-5-0700-6720		002071		OCWA Operating Contract					276,874.61
190755 SUN LIFE ASSURANCE COMPANY OF CANADA									
AUG-20	AUG/20 UNION WATER LOAN 3724:1					446	01-Aug-2020	11-Aug-2020	
70-5-0700-6000		002020	006901	Debenture Principal					183,640.78
70-5-0700-6100		002010	006901	Debenture Interest					98,512.69
Department Totals :									836,553.89



Vendor : 0011450 To PT00000193

Batch : All

Department : All

EFT Paid Date : 17-Aug-2020 To 24-Aug-2020

Bank : 07 To 08

Class : All

Vendor Code	Vendor Name					Batch	Inv Date	Inv Due Date	
Invoice No.	Description								
G.L. Account	CC1	CC2	CC3	GL Account Name					Amount
DEPARTMENT 0700 Union Water System									
050099 ENBRIDGE GAS INC									
1929770177678	30.98M3	GAS - COTTAM BOOSTER STATION				460	13-Aug-2020	19-Aug-2020	
70-5-0700-7410	002073	Gas							34.64
080250 HYDRO ONE NETWORKS INC									
200208899066-	AUG/20	HYDRO METER#16				460	17-Aug-2020	19-Aug-2020	
70-5-0700-7420	002073	Electricity							-39.30
70-5-0700-7420	002073	Electricity							139.63
Department Totals :									134.97



Vendor : 0011450 To PT00000193

Batch : All

Department : All

EFT Paid Date : 01-Sep-2020 To 03-Sep-2020

Bank : 07 To 08

Class : All

Vendor Code	Vendor Name								
Invoice No.	Description					Batch	Inv Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name					Amount
DEPARTMENT 0700	Union Water System								
030405	COLLABRIA								
ACTUAL MEDIA/ VIRTUAL CONFERENCE - CWWA/WATER CANADA					476	17-Jul-2020	02-Sep-2020		
70-5-0700-7050	002070	Conferences							168.37
AMCTO-55144 AMCTO - MLP - UNIT 1 FALL 2020					476	18-Jul-2020	02-Sep-2020		
70-5-0700-7040	002070	Training							412.45
INV34091690 ZOOM SUBSCRIPTION					476	01-Aug-2020	02-Sep-2020		
70-5-0700-7270	002070	008002	Software Purchases						229.39
STAR-JUL20 STAR SUBSCRIPTION					476	13-Jul-2020	02-Sep-2020		
70-5-0700-7020	002070	Dues, Memberships and Subscriptions							16.94
Department Totals :									827.15

Council/Board Report By Dept-(Computer)



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Date : Sep 11, 2020

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Vendor : 0011450 To PT00000193

Batch : All

Department : All

Cheque Print Date : 09-Sep-2020 To 11-Sep-2020

Bank : 07 To 08

Class : All

Vendor Invoice	Vendor Name					Batch Invc Date	Invc Due Date		
G.L. Account	CC1	CC2	CC3	GL Account Name	Amount				
DEPARTMENT	0700	Union Water System							
050003	E.L.K. ENERGY INC								
40010915-01-J	3422KWH - ESSEX WATER TOWER					500	08-Sep-2020	09-Sep-2020	
70-5-0700-7420	002073	Electricity							-95.81
70-5-0700-7420	002073	Electricity							340.45
40047150-03-J	485KWH - METER#9					500	08-Sep-2020	09-Sep-2020	
70-5-0700-7420	002073	Electricity							-18.37
70-5-0700-7420	002073	Electricity							65.26
51976611-00-JI	1608KWH - KINGSVILLE WATER TOWER					500	08-Sep-2020	09-Sep-2020	
70-5-0700-7420	002073	Electricity							-87.79
70-5-0700-7420	002073	Electricity							311.96
90006300-01-J	75840KWH - COTTAM BOOSTER STATION					500	08-Sep-2020	09-Sep-2020	
70-5-0700-7420	002073	Electricity							-2,290.34
70-5-0700-7420	002073	Electricity							8,138.63
Department Totals :									6,363.99



Vendor : 0011450 To PT00000193
Batch : All
Department : All

EFT Paid Date : 09-Sep-2020 To 11-Sep-2020
Bank : 07 To 08
Class : All

Vendor Code	Vendor Name					Batch	Inv Date	Inv Due Date	
Invoice No.	Description								Amount
G.L. Account	CC1	CC2	CC3	GL Account Name					
DEPARTMENT 0700 Union Water System									
050099	ENBRIDGE GAS INC								
1929770217397	0M3 GAS - LOW LIFT								
70-5-0700-7410	002073			Gas		501	26-Aug-2020	09-Sep-2020	25.43
070065	GILLETT ROOFING INC								
1562	HIGH LIFT PUMP ROOF REPAIRS								
70-7-0700-8745	700020			Treatment Plant		501	10-Aug-2020	09-Sep-2020	7,000.35
080250	HYDRO ONE NETWORKS INC								
200141680894-	AUG/20 HYDRO - LEAMINGTON WATER TOWER								
70-5-0700-7420	002073			Electricity					513.95
70-5-0700-7420	002073			Electricity					-144.63
200141681706-	AUG/20 HYDRO - METER#2								
70-5-0700-7420	002073			Electricity		501	27-Aug-2020	09-Sep-2020	-12.53
70-5-0700-7420	002073			Electricity					44.51
200141682009-	AUG/20 HYDRO - ALBUNA WATER TOWER								
70-5-0700-7420	002073			Electricity		501	01-Sep-2020	09-Sep-2020	-98.03
70-5-0700-7420	002073			Electricity					348.34
200141683019-	AUG/20 HYDRO - METER#3								
70-5-0700-7420	002073			Electricity		501	31-Aug-2020	09-Sep-2020	40.30
70-5-0700-7420	002073			Electricity					-11.34
200141683423-	AUG/20 HYDRO - METER#6								
70-5-0700-7420	002073			Electricity		501	31-Aug-2020	09-Sep-2020	-11.34
70-5-0700-7420	002073			Electricity					40.30
200141683524-	AUG/20 HYDRO - METER#8								
70-5-0700-7420	002073			Electricity		501	27-Aug-2020	09-Sep-2020	40.51
70-5-0700-7420	002073			Electricity					-11.40
200141683726-	AUG/20 HYDRO - METER#15								
70-5-0700-7420	002073			Electricity		501	25-Aug-2020	09-Sep-2020	40.30
70-5-0700-7420	002073			Electricity					-11.34
200141687362-	AUG/20 HYDRO - METER#22								
70-5-0700-7420	002073			Electricity		501	27-Aug-2020	09-Sep-2020	-11.34
70-5-0700-7420	002073			Electricity					40.32
200141687766-	AUG/20 HYDRO - METER#29								
70-5-0700-7420	002073			Electricity		501	27-Aug-2020	09-Sep-2020	45.19
70-5-0700-7420	002073			Electricity					-12.71
200141687867-	AUG/20 HYDRO - METER#24								
70-5-0700-7420	002073			Electricity		501	27-Aug-2020	09-Sep-2020	40.30
70-5-0700-7420	002073			Electricity					-11.34
200141690190-	AUG/20 HYDRO - METER#26								
70-5-0700-7420	002073			Electricity		501	26-Aug-2020	09-Sep-2020	-23.75
70-5-0700-7420	002073			Electricity					84.41
200141690190-	JUL/20 HYDRO - METER#26								
70-5-0700-7420	002073			Electricity		501	29-Jul-2020	09-Sep-2020	-24.13
70-5-0700-7420	002073			Electricity					85.74
200220161473-	AUG/20 HYDRO - METER#14								
70-5-0700-7420	002073			Electricity		501	25-Aug-2020	09-Sep-2020	-11.43
70-5-0700-7420	002073			Electricity					40.62
190755	SUN LIFE ASSURANCE COMPANY OF CANADA								
SEP-20	SEP/20 UNION WATER LOAN 3724:1								
70-5-0700-6100	002010	006901		Debenture Interest		501	01-Sep-2020	09-Sep-2020	96,898.80
70-5-0700-6000	002020	006901		Debenture Principal					161,741.88