



# JOINT BOARD OF MANAGEMENT

Wednesday, May 20, 2020

9:00 AM

Virtually in Zoom

## AGENDA

**A. Call to Order:**

**B. Disclosures of Pecuniary Interest:**

**C. Approval of Minutes:**

Minutes of the Special meeting of the Union Water Supply System Joint Board of Management Meeting held Wednesday, April 15, 2020  
Pages 2 - 4

Minutes of the Regular meeting of the Union Water Supply System Joint Board of Management Meeting held on Wednesday, April 15, 2020  
Pages 5 - 9

**D. Business Arising Out of the Minutes**

**E. Items for Consideration:**

1. UW/14/20 dated May 15, 2020 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to May 15, 2020  
Pages 10 - 13

2. UW/16/20 dated May 15, 2020 re: Payments from April 9 to May 15, 2020  
Pages 14 - 21

**F. New Business:**

**G. Adjournment:**

**H. Date of Next Meeting:** June 17, 2020 9:00 am Location TBD

/kmj



## JOINT BOARD OF MANAGEMENT

Wednesday, April 15, 2020  
9:00 AM

Virtually via Zoom

### SPECIAL MEETING MINUTES

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

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

Municipal Staff Present: Laura Rauch, Shannon Belleau - Leamington  
Andy Graf - Essex  
Andrew Plancke - Kingsville  
Kevin Girard - Lakeshore

OCWA Staff Present: Susan Budden  
Dale Dillen, Ken Penney

**Call to Order: 9:03 am**

**Disclosures of Pecuniary Interest: none**

**Reports/Correspondence:**

**Report UW/10/20 dated April 3, 2020 Re: Emergency Measures during an Emergency -  
Electronic Meetings and Electronic Preparation**

The Manager reviews his report with board members. He explains that in order for the UWSS to conduct meetings electronically there needs to be a procedure in place and therefore UWSS had to develop several policies to ensure these aspects were covered. The policies developed emulated those developed at the Municipality of Leamington. The Manager acknowledges that the policies were provided to the Board members late the prior evening, and apologizes for the lateness, but notes that they were being reviewed by the legal team and he only just received them late in the day.

April 15, 2020

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**Special Meeting of the UWSS Joint Board of Management Meeting Minutes**

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The Electronic Policy allows for electronic meetings to take place in whatever media format is chosen in order to meet quorum. This applies to both Special and Regular Meetings. His recommendation is to adopt this policy.

He does note a few changes that should be made. There were a few title changes that should be made referencing the Manager and the Office Coordinator.

He further explains that when voting on a motion the best practice would be for all board members to put their hand in front of the camera so the chair can ensure that all are in favour and if not in favour, then the board member must clearly state they are not in favour.

The Manager then moves on the Delegation of Authority policy and explains that this policy would allow the Manager to have authority to make decisions when and emergency has been declared and Board members have become ill due to Covid-19. This would allow for budgetary decisions over \$40,000 if having prior approval within the approved budget and allows the Manager to insure liabilities exceeding \$40,000, not in the budget, if they relate to the UWSS Board Emergency.

Deputy Mayor Queen suggests that each policy if voted on separately.

**No. UW-17-20**

Moved by: Councillor Jacobs

Seconded by: Councillor Patterson

That the Policy UW C01 - Electronic Meetings during an Emergency is adopted.

Carried

Deputy Mayor Queen then discusses the Policy regarding Delegation of Authority. He notes that it would not be prudent to have only the Manager in control during and emergency. He makes the suggestion the Delegation of Authority includes both the Manager and the Chair of the UWSS Joint Board of Management.

**No. UW-18-20**

Moved by: Deputy Mayor Queen

Seconded by: Councillor DeYong

That the Policy UW C01 - Temporary Delegate Certain Authority to the Manager in the Event of Loss of Quorum (COVID-19) is amended to include the Chair of the UWSS Board as well.

Carried

**Adjournment**

April 15, 2020

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Special Meeting of the UWSS Joint Board of Management Meeting Minutes

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No. UW-19-20

Moved by: Mayor Santos

Seconded by: Councillor Hammond

That the meeting adjourn at 9:12 am

Carried

/kmj



**JOINT BOARD OF  
MANAGEMENT**  
Wednesday, February 19, 2020  
9:00 AM

Virtually in Zoom

## MINUTES

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

**UWSS Staff Present:** Rodney Bouchard, Manager UWSS  
Christine Johnson, UWSS Recording Secretary

**Municipal Staff Present:** Laura Rauch, Shannon Belleau - Leamington  
Andy Graf - Essex  
Andrew Plancke - Kingsville  
Kevin Girard - Lakeshore

**OCWA Staff Present:** Susan Budden  
Dale Dillen, Ken Penney

**Call to Order: 9:13 am**

**Disclosures of Pecuniary Interest: none**

**Adoption of Board Minutes:**

**No. UW-20-20**

**Moved by:** Deputy Mayor Queen

**Seconded by:** Councillor Wilkinson

That Minutes of the UWSS Joint Board of Management meeting of February 19, 2020 be approved.

Carried

**Business Arising Out of the Minutes:**

There was none.

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**Report UW/11/20 dated April 10, 2020 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to April 10, 2020**

The Manager notes that things have certainly changed since the last meeting of the UWSS Board. He reviews his report with board members by splitting the zoom screen so members could follow along. He notes that he is meeting weekly with colleagues across Canada to discuss pressing issues during this time of Covid-19 crisis. He further explains that as of March 17th, 2020 the UWSS Water Treatment Plant turned over to essential staff only and non-essential staff were requested to work remotely. He explains that operators are still running the plant with maintenance staff rotating in as needed. The staff maintain social distancing and several of the UWSS facilities are not manned and therefore social distancing is not an issue.

The Manager also confirms that all contractors that had been working on projects at the Ruthven WTP have been sent home. He confirms that he is following the public health recommendations as to when contractors will be allowed to return to the site.

Clarifier #2 is back in service after being taken out of service to make repairs. However, since the Covid-19 situation arose prior to repairs being completed Clarifier #2 has been put back into service. He notes repairs will have to be made at a later date. Low Lift pump #5 has taken out of service for repairs and will be reinstalled at a time when work can be done safely.

The Manager reminds the board members of the Town of Essex request to provide water to Harrow during repairs to the Harrow Water Tower. However, those repairs have been put on hold.

The High Lift pump #4 was not functioning properly and it was determined that there was an electrical short in it. The pump has been sent to Phasor for repairs. Staff is now waiting for it to be returned and then this will be put back into service.

Flow meters for the raw water line #1 and #2 had been acting erratically. The Manager explains that accurate numbers are needed for the new CO2 pH adjustment system. An additional magnetic flow meter will be purchased and installed later in the year.

The Manager provides updates on the SCADA project. He explains that this project should have been completed by the end of April, however, with the current situation that is most likely not going to happen. Currently, operations staff have some new SCADA systems that are working well, while some parts of the system are still on the old system. The SCADA team will return once determined safe to do so to complete this project.

The CO2 project was also nearing completion, there is still some landscaping work that is needed to be completed later in the Spring. There are no penalties for either side associated with the delays and all the legalese has been attended to.

The refurbishment of the Kingsville Water Tower (KWT) has been started, with OCWA Engineering Services being retained to manage the project. During this time a lot of the background work has been completed and the tendering document is nearing completion. Currently the Manager is in communication with OCWA and will be speaking with the Town of Kingsville as well. The Manager notes that this project is a time sensitive project,

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with limited weather for painting. Therefore, tendering might be completed this year with work to start in 2021.

The Manager confirms that Eramosa has been retained to retrofit the hydrants, consisting of 3 or 4 within each municipality. The Manager is working with the towns in order to determine where best to place the recorders in order to obtain real time data. He is anticipating that later in the summer this project can be in place.

Quotes have been requested for the security system, which will allow staff to get rid of real keys and move to the FOB system. This system will also increase the camera capacity. The Manager then notes that NJ Peralta has been retained to provide engineering in order to remove the septic system and install the force main for the new parking lot.

The Manager then notes he forgot to include an update on the University of Windsor, Great Lakes Institute and the HAB monitoring project. He notes that the proposal has been completed and sent into NSERT for funding. He confirms that 14 buoys will be installed and provide data back to the UWSS. This system will allow early monitoring for blue-green algae, a potentially good news story for the UWSS.

The Manager then notes that the flows are up quite a bit, even during this time of COVID-19. This in turn means that the revenue is still coming in and the budget has not been affected.

The Board asks if the Manager is concerned that funding will be drying up and the buoy project could be in jeopardy. The Manager explains that the funding was already in place and earmarked for such projects. He feels that the money will still be available.

The Board asks why the flow meters were acting erratically. The Manager refers this question to the Operations Manager. Mr. Dillen explains that the original flow meters were pressure differential meters and they were not providing accurate readings. He further explains that the new clamp on meters provide more accurate readings, which is better for the new CO2 system.

The Board then asks if there is potential for the local residents tie in to the force main that is being proposed. Mayor Santos asks that the Manager speak with the Town of Kingsville to assist with this.

#### **No. UW-21-20**

Moved by: Councillor Hammond

Seconded by: Councillor Dunn

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

Carried (UW/21/20)

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**Report UW/12/20 dated April 10, 2020 re: 2019 UWSS Financials**

The Manager turns the meeting over to the Laura Rauch, Director of Finance and Business Services. Ms. Rauch confirms that her team at the municipality prepared this report, however, the external auditors did attend to provide an audit on the system.

The report highlights a few things, namely the financial position saw a \$3.2 million increase under PSAB. She further notes that the UWSS has a strong balance sheet which saw an increase to the wholesale billings and favourable expenses. These included extending the CO2 project into 2020, low repairs and maintenance expenses, and lower than expected operational programs and studies.

The Board asks Ms. Rauch her thoughts on approaching the Sun Life Company again to see if there is any benefit to paying off the debt to them. She indicates that she certainly could, however, in the past there has always been significant penalties to pay off this debt early. However, she will work with the Manager to see if anything has changed in this regard.

**No. UW-22-20**

Moved by: Councillor Jacobs

Seconded by: Councillor Wilkinson

That the 2019 Financial Report for the Union Water Supply System Joint Board of Management is approved.

Carried (UW/12/20)

**Report UW/13/20 dated April 10, 2020 re: Payments from February 14th to April 10th, 2020****No. UW-23-20**

Moved by: Councillor Walstedt

Seconded by: Mayor Santos

That report UW/13/20 dated April 10, 2020 re: Payments from February 14 to April 10, 2020 is received.

Carried (UW/09/20)

**New Business**

Councillor Patterson suggests that the Manager provide the residents with a second News Release to remind everyone that during the COVID-19 outbreak that the water is still safe to drink. The Manager explains that he certainly can and will do that, however, he notes that when the outbreak started the reporters were not generally interested as this outbreak is not affecting the water supply. However, it is never a bad thing to promote safe drinking water.

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Mayor MacDonald asks if the UWSS has considered setting up a Facebook page. The Manager allows the Recording Secretary to answer this question. The Recording Secretary notes that while a personal page is easy to set up a business page is slightly different and required assistance from the Communications Manager. She further explains that the page should be going live by the end of the week.

## **Adjournment**

**No. UW-24-20**

Moved by: Councillor DeYong

Seconded by: Councillor Jacobs

That the meeting adjourn at 9:48 am

Carried

**Date of Next Meeting:** Wednesday, May 20th, 2020 9:00 am - TBD

/kmj

UW/14/20

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

**From:** Rodney Bouchard, UWSS General Manager

**Date:** May 15, 2020

**Re:** Status Update of UWSS Operations & Maintenance Activities and Capital Works to May 15, 2020



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**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 April 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. It should be noted that in accordance with the Province of Ontario COVID-19 Emergency Order, all non-essential staff at the UWSS facilities, including UWSS and OCWA staff, are currently working remotely as much as possible to reduce the potential impact of COVID-19 on essential drinking water treatment operators. The Essential Staff provision is anticipated to remain until June 1, 2020.
3. A new sodium hypochlorite feed and control panel is process of being installed at the Cottam Booster station. Epoxy coating is also being installed on the walls of the chemical room. This work is being completed as part of improvements to the chlorine boosting system at Cottam Booster.
4. Low Lift pump #5 is still out for repair. Parts have been ordered and the retained contractor, Nevtro, will return to install as soon as it is complete. It is anticipated that the pump will be installed at the beginning of June 2020.
5. Earlier this year, the UWSS was requested by the Town of Essex to supply water to the Harrow/Colchester area due to a proposed maintenance shutdown of the Harrow/Colchester Water Treatment Plant. This proposed shut down was postponed due to the COVID-19 outbreak but is now scheduled to start June 1, 2020. UWSS and OCWA will work with Town of Kingsville water dept. staff and Town of Essex staff to ensure that increased flows through Kingsville to supply Colchester and Harrow will be tracked and billed accordingly.

Re: UW/14/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to May 15, 2020

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6. High lift #4 pump motor was initially taken out of service in February 2020 for repairs due to a short circuit. Phasor Electric completed the repairs and the pump was reinstalled and put back into service on May 11, 2020.
7. Verification and calibration of master billing flow meters was completed on May 4<sup>th</sup>, 2020 by Flowmetrix Technical Services of London, ON. The verification report indicates no issues with the billing meters.
8. On May 01, 2020 Watech Services Inc. conducted an inspection of the Albuna Elevated Tank. Based on the results of the inspection, the Albuna Elevated Tank is in generally good condition. A few items were identified that needed repair including the cathodic corrosion protection system and a few safety related items. It is noted that the Albuna Water Tower will need to be drained to complete repairs to the cathodic corrosion protection system. It is anticipated that this work will be completed in Fall 2020 during lower water demand period.
9. On May 6, 2020 Watech Services Inc conducted inspections of the two raw water intakes. Inspection reports have yet to be provided.
10. SCADA Upgrade Project Update: On-site work for the new SCADA system integration was put on hold on March 16, 2020 due to the COVID-19 outbreak. The SCADA system integrator, SUMMA Engineering is completing work that can be done remotely, such as training and operation & maintenance manuals. Filters #1 and #3, the CO2 system and the chlorine gas disinfection system are currently operating on the new SCADA system.

Based on discussions with OCWA operations staff, it has been decided to postpone the integration of the remainder of the new SCADA system to October 2020. Based on the regular implementation schedule, the new SCADA system integration should have been completed by May 2020 thus before the onset of the high water demand season in the summer. However, the COVID-19 outbreak resulted in delays that would now put the implementation of the work in the high summer water demand period. This is of concern since the integration of the new SCADA system requires plant shut downs and restarts, which is too risky and not feasible during the high demand period. As such, the work will resume during lower water demand period in Fall 2020. UWSS is working with the SCADA integrator to evaluate any financial impacts associated with the postponement of the project.

11. CO2 pH Adjustment/ Chlorine System Improvements Project Update - Substantial Completion for this project was issued on March 31<sup>st</sup>, 2020. All the essential components of the project have been completed. The remaining items of this project, including landscaping and minor deficiencies, are currently on hold due to the COVID-19 outbreak. The contractor, Maple Reinders, is scheduled to resume on-site work on June 8, 2020 and it is anticipated that all remaining work will be completed by July 1, 2020.

Re: UW/14/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to May 15, 2020

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12. OCWA Engineering Services (OCWA ES) has been retained by UWSS to provide engineering, project management and contract management services for the Kingsville Water Tower recoating and rehabilitation project. This work also includes the construction of a small utility building on-site to house existing electrical and telecom equipment and a new chlorine analyzer. The design of the utility building has been completed by The Municipal Infrastructure Group (TMIG), a subcontracted design engineering firm retained through OCWA ES. This design was received by UWSS on April 9<sup>th</sup>, 2020 and is currently under review.

OCWA ES is currently preparing engineering specs and tender package for the water tower recoating, safety upgrades, and building construction work. However, the tendering and completion of this work may need to be postponed due to the COVID-19 outbreak.

UWSS is in preliminary discussions with the Town of Kingsville regarding the proposed building placement, size and conceptual layout. Further, since UWSS is proposing a building at this site and that the land at the Kingsville Water tower is owned by the Town of Kingsville, the UWSS is also proposing that a lease agreement be developed between UWSS and the Town of Kingsville for the land currently occupied by the Kingsville Water Tower and proposed building.

13. Eramosa Engineering of Guelph, ON has been 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 smart metering capabilities. These “smart hydrant” retrofits will include continual pressure and temperature monitoring capabilities. Eramosa has completed the construction of the monitoring equipment for the 12 hydrant retrofits. It is anticipated that the installation of these units will be initiated in mid to late June 2020.

14. UWSS requested quotes from regional access control security system providers. Empire communications has been retained 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. It is anticipated that this work will be initiated in July 2020.

15. NJ Peralta Engineering of Kingsville has 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. A preliminary design of the new parking lot and sewage force main was provided to UWSS on May 8<sup>th</sup>, 2020 and is currently under review by UWSS and OCWA operations staff. In the meantime, NJ Peralta is in the preliminary stages of preparing a tender document for this work.

16. UWSS has retained OCWA Engineering Services (OCWA ES) to provide engineering and project management services for the rehabilitation of the

Re: UW/14/20 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to May 15, 2020

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concrete boxes for Filters #2 and #4. As indicated to the Board during budget approval meetings, Filters #2 and #4 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 this work would be initiated in November 2020 during low water demand period.

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 1<sup>st</sup> to May 14<sup>th</sup>, 2020.

	2016	2017	2018	2019	2020
Flow to Date (ML)	4,365.11	4,530.37	4,843.66	4,913.88	5,518.76
Max Day (ML)	52.03	54.65	59.00	55.08	66.93
Min Day (ML)	19.49	20.73	23.56	20.13	25.44
Average Day (ML)	32.33	33.81	36.15	36.67	40.88
No of Days	135	134	134	134	135

	2016	2017	2018	2019	2020
Flow to Date (MG)	960.21	996.56	1065.48	1080.92	1213.98
Max Day (MGD)	11.45	12.02	12.98	12.12	14.72
Min Day (MGD)	4.29	4.56	5.18	4.43	5.60
Average Day (MGD)	7.11	7.44	7.95	8.07	8.99
No of Days	135	134	134	134	135

Flows to date are up 604.88 ML (133.06 MIG) or 12.31% from last year. The 2020 flows to date are up 18.35% 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

Filename: t:\union wtr\reports to board\2020\uw14-20 uwss operations report for may 2020.docx

UW/15/20

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

**From:** Rodney Bouchard, Union Water Manager

**Date:** May 15, 2020

**Re:** Payments for the UWSS from April 10<sup>th</sup> to May 15<sup>th</sup>, 2020

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**Aim:**

To provide the Board with a copy of payments made by the Union Water Supply System from April 10<sup>th</sup> to May 15<sup>th</sup>, 2020

**Recommendation:**

For information purposes.

Respectfully submitted,



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

/kmj

Filename: t:\union wtr\reports to board\2020\uw15-20 payments from april to may 2020.docx



Vendor : 0011450 To PT00000190  
 Batch : All  
 Department : All

Cheque Print Date : 16-Apr-2020 To 17-Apr-2020  
 Bank : 07 To 08  
 Class : All

Vendor Invoice	Vendor Name Description	Batch	Inv Date	Inv Due Date	Amount
G.L. Account	CC1 CC2 CC3 GL Account Name				
<b>DEPARTMENT 0700 Union Water System</b>					
<b>020120 BELL MOBILITY CELLULAR</b>					
514877178-AP	MONTHLY CELL PHONE CHARGES	190	01-Apr-2020	16-Apr-2020	
70-5-0700-7110	002070 002083 Telecommunications Usage				22.27
<b>030450 COUNTY WIDE TREE SERVICE</b>					
4742	TREE REMOVAL	202	13-Apr-2020	16-Apr-2020	
70-7-0700-8710	Kingsville Water Tower				734.50
<b>050003 E.L.K. ENERGY INC</b>					
40010915-01 M	3141KWH - ESSEX WATER TOWER	202	01-Apr-2020	16-Apr-2020	
70-5-0700-7420	002073 Electricity				-106.47
70-5-0700-7420	002073 Electricity				378.33
40047150-03 M	2069KWH - METER#9	202	01-Apr-2020	16-Apr-2020	
70-5-0700-7420	002073 Electricity				-72.06
70-5-0700-7420	002073 Electricity				256.06
51976611-00 M	2715KWH - KINGSVILLE WATER TOWER	202	01-Apr-2020	16-Apr-2020	
70-5-0700-7420	002073 Electricity				-143.97
70-5-0700-7420	002073 Electricity				511.58
90006300-01 M	30720KWH - COTTAM BOOSTER STATION	202	01-Apr-2020	16-Apr-2020	
70-5-0700-7420	002073 Electricity				-1,266.90
70-5-0700-7420	002073 Electricity				4,501.90
<b>130838 MUNICIPALITY OF LEAMINGTON</b>					
530-17700 APF	TAXES - 446 TALBOT W	202	15-Apr-2020	16-Apr-2020	
70-5-0700-6750	002072 Property Tax				895.00
<b>180325 RICOH CANADA INC</b>					
SCO92776805	COPIER CONTRACT - FEB18-MAR24	202	31-Mar-2020	16-Apr-2020	
70-5-0700-7010	002070 Office Supplies				94.18
<b>190042 SAMUEL STREET ADVISORY INC</b>					
135	RESTRUCTURING CONSULTANT-FINANCIAL	202	01-Apr-2020	16-Apr-2020	
70-5-0700-7950	002070 Professional Services				4,633.00
<b>Department Totals :</b>					<b>10,437.42</b>



**Vendor :** 0011450 To PT00000190  
**Batch :** All  
**Department :** All

**EFT Paid Date :** 16-Apr-2020 **To** 17-Apr-2020  
**Bank :** 07 To 08  
**Class :** All

Vendor Code	Vendor Name				Batch	Inv Date	Inv Due Date	Amount
Invoice No.	Description							
G.L. Account	CC1	CC2	CC3	GL Account Name				
<b>DEPARTMENT 0700</b> Union Water System								
<b>050099 ENBRIDGE GAS INC</b>								
1929770177678	824.340M3 GAS - COTTAM BOOSTER STATION				203	10-Apr-2020	16-Apr-2020	
70-5-0700-7410	002073			Gas				257.08
<b>080250 HYDRO ONE NETWORKS INC</b>								
200141677460-I	MAR/20 HYDRO - RUTHVEN WATER TREATMENT PLANT				203	09-Apr-2020	16-Apr-2020	
70-5-0700-7420	002073			Electricity				72,486.14
200141680692-I	MAR/20 HYDRO - LOW LIFT				203	09-Apr-2020	16-Apr-2020	
70-5-0700-7420	002073			Electricity				-26.18
70-5-0700-7420	002073			Electricity				34,790.90
200141682009-I	MAR/20 HYDRO - ALBUNA WATER TOWER				203	01-Apr-2020	16-Apr-2020	
70-5-0700-7420	002073			Electricity				-639.76
70-5-0700-7420	002073			Electricity				2,273.37
200141683120-I	MAR/20 HYDRO - METER#5				203	01-Apr-2020	16-Apr-2020	
70-5-0700-7420	002073			Electricity				-15.44
70-5-0700-7420	002073			Electricity				54.85
200152134969-I	MAR/20 HYDRO - METER#17				203	09-Apr-2020	16-Apr-2020	
70-5-0700-7420	002073			Electricity				-13.83
70-5-0700-7420	002073			Electricity				49.16
<b>150365 ONTARIO CLEAN WATER AGENCY</b>								
INV0000000075	MAR/20 OPER&MTCE				203	31-Mar-2020	16-Apr-2020	
70-5-0700-6720	002071			OCWA Operating Contract				276,874.61
<b>190755 SUN LIFE ASSURANCE COMPANY OF CANADA</b>								
APR-20	APR/20 UNION WATER LOAN 3724:1				203	01-Apr-2020	16-Apr-2020	
70-5-0700-6000	002020	006901		Debenture Principal				85,304.03
70-5-0700-6100	002010	006901		Debenture Interest				102,798.28
<b>Department Totals :</b>								<b>574,193.21</b>



**Vendor :** 0011450 To PT00000190  
**Batch :** All  
**Department :** All

**Cheque Print Date :** 29-Apr-2020 To 30-Apr-2020  
**Bank :** 07 To 08  
**Class :** All

Vendor Invoice	Vendor Name Description				GL Account Name	Batch Invc Date	Invc Due Date	Amount
G.L. Account	CC1	CC2	CC3					
<b>DEPARTMENT 0700 Union Water System</b>								
<b>010103 ASSOCIATED ENGINEERING (ONT) LTD</b>								
527371	SCADA UPGRADES - APR10					222 16-Apr-2020	29-Apr-2020	
70-7-0700-8780				SCADA System				5,131.33
527373	CO2 PH ADJUSTMENT SYSTEM - APR10					222 16-Apr-2020	29-Apr-2020	
70-7-0700-8745	700200			Treatment Plant				5,224.06
527375	RUTHVEN WTP DAF PH 1 - APR10					222 16-Apr-2020	29-Apr-2020	
70-7-0700-8745	700220			Treatment Plant				8,052.38
<b>030004 C3 WATER INC</b>								
202003-288	WATER MODELING UPDATES					222 31-Mar-2020	29-Apr-2020	
70-5-0700-7989	002075			Operational Programs & Studies				1,376.34
<b>110080 KINGSVILLE REPORTER</b>								
00068957	NEWS RELEASE - COVID					222 28-Apr-2020	29-Apr-2020	
70-5-0700-7130	002070			Advertising & Promotion				426.46
<b>230685 WIRED SOLUTIONS</b>								
14407	WEBSITE UPDATES - ZOOM LINKS					222 15-Apr-2020	29-Apr-2020	
70-5-0700-7270	002070			Software Purchases				2,825.00
<b>Department Totals :</b>								<b>23,035.57</b>



**Vendor :** 0011450 To PT00000190  
**Batch :** All  
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**EFT Paid Date :** 29-Apr-2020 **To** 30-Apr-2020  
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**Class :** All

Vendor Code	Vendor Name					Batch	Inv Date	Inv Due Date	Amount
Invoice No.	Description								
G.L. Account	CC1	CC2	CC3	GL Account Name					
<b>DEPARTMENT 0700</b>	Union Water System								
<b>030405</b>	<b>COLLABRIA</b>								
INV14004533-Z	ZOOM SUBSCRIPTION					221	01-Apr-2020	29-Apr-2020	
70-5-0700-7270	002070			Software Purchases					203.00
STAR-MAR20	STAR SUBSCRIPTION					221	13-Mar-2020	29-Apr-2020	
70-5-0700-7020	002070			Dues, Memberships and Subscriptions					16.94
<b>050099</b>	<b>ENBRIDGE GAS INC</b>								
1929770208308	14433.336M3 GAS - RUTHVEN WATER TREATMENT PLANT					224	22-Apr-2020	29-Apr-2020	
70-5-0700-7410	002073			Gas					4,159.19
<b>050195</b>	<b>ESSEX POWERLINES CORPORATION</b>								
220651-APR20	303KWH - METER#4					224	22-Apr-2020	29-Apr-2020	
70-5-0700-7420	002073			Electricity					-28.27
70-5-0700-7420	002073			Electricity					100.45
253800-APR20	1KWH - METER#23					224	22-Apr-2020	29-Apr-2020	
70-5-0700-7420	002073			Electricity					-12.54
70-5-0700-7420	002073			Electricity					44.54
<b>080250</b>	<b>HYDRO ONE NETWORKS INC</b>								
200141683726-, APR/20	HYDRO - METER#15					224	27-Apr-2020	29-Apr-2020	
70-5-0700-7420	002073			Electricity					-12.65
70-5-0700-7420	002073			Electricity					44.97
200208899066-, APR/20	HYDRO - METER#16					224	16-Apr-2020	29-Apr-2020	
70-5-0700-7420	002073			Electricity					-49.17
70-5-0700-7420	002073			Electricity					174.73
200220161473-, APR/20	HYDRO - METER#14					224	24-Apr-2020	29-Apr-2020	
70-5-0700-7420	002073			Electricity					-11.93
70-5-0700-7420	002073			Electricity					42.39
<b>995929</b>	<b>LAKESIDE PROCESS CONTROLS LTD.</b>								
CD970081504	MAGNETIC FLOWMETER					224	16-Apr-2020	29-Apr-2020	
70-7-0700-8720	700001			Clarifiers					10,215.79
<b>Department Totals :</b>									<b>14,887.44</b>



Vendor : 0011450 To PT00000190  
 Batch : All  
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Cheque Print Date : 13-May-2020 To 15-May-2020  
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Vendor Invoice	Vendor Name Description				GL Account Name	Batch Invc Date	Invc Due Date	Amount	
G.L. Account	CC1	CC2	CC3						
<b>DEPARTMENT 0700 Union Water System</b>									
<b>020120 BELL MOBILITY CELLULAR</b>									
514877178-MA	MONTHLY CELL PHONE CHARGES					236	01-May-2020	13-May-2020	
70-5-0700-7110	002070	002083		Telecommunications Usage				21.78	
<b>050003 E.L.K. ENERGY INC</b>									
40010915-APR	3428KWH - ESSEX WATER TOWER					240	01-May-2020	13-May-2020	
70-5-0700-7420	002073			Electricity				-104.37	
70-5-0700-7420	002073			Electricity				370.84	
40047150-APR	2069KWH - METER#9					240	01-May-2020	13-May-2020	
70-5-0700-7420	002073			Electricity				-65.13	
70-5-0700-7420	002073			Electricity				231.40	
51976611-APR	2524KWH - KINGSVILLE WATER TOWER					240	01-May-2020	13-May-2020	
70-5-0700-7420	002073			Electricity				-124.84	
70-5-0700-7420	002073			Electricity				443.60	
90006300-APR	31200KWH - COTTAM BOOSTER STATION					240	01-May-2020	13-May-2020	
70-5-0700-7420	002073			Electricity				-1,176.09	
70-5-0700-7420	002073			Electricity				4,179.02	
<b>050194 ESSEX FREE PRESS LIMITED</b>									
69563	NEWS RELEASE - COVID 19					240	27-Apr-2020	13-May-2020	
70-5-0700-7130	002070	008002		Advertising & Promotion				243.47	
<b>150415 ONTARIO MUNICIPAL WATER ASSOCIATION</b>									
2020-M-001	2020 OMWA MEMBERSHIP RENEWAL					240	17-Dec-2019	13-May-2020	
70-5-0700-7020	002070			Dues, Memberships and Subscriptions				833.38	
<b>Department Totals :</b>								<b>4,853.06</b>	



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Vendor Code	Vendor Name	Batch	Inv Date	Inv Due Date	Amount
Invoice No.	Description				
G.L. Account	CC1 CC2 CC3 GL Account Name				
<b>DEPARTMENT 0700</b>	Union Water System				
<b>010045</b>	<b>AIR LIQUIDE CANADA INC.</b>				
71419914 - 319: CARBON DIOXIDE, CO2, BULK LIQUID		241	06-May-2020	13-May-2020	
70-5-0700-7080	002080 Operational Supplies				3,691.13
<b>070100</b>	<b>GOLDER ASSOCIATES LTD</b>				
1072530 SOIL TESTING		241	20-Jan-2020	13-May-2020	
70-7-0700-8745	700200 Treatment Plant				237.25
<b>080250</b>	<b>HYDRO ONE NETWORKS INC</b>				
200141677460-, APR/20 HYDRO - RUTHVEN WTP		241	11-May-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				72,677.15
200141680692-, APR/20 HYDRO - LOW LIFT		241	11-May-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-26.34
70-5-0700-7420	002073 Electricity				37,820.68
200141680894-, APR/20 HYDRO - LEAMINGTON WATER TOWER		241	01-May-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-122.24
70-5-0700-7420	002073 Electricity				434.36
200141681706-, APR/20 HYDRO - METER#2		241	29-Apr-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-15.58
70-5-0700-7420	002073 Electricity				55.38
200141682009-, APR/20 HYDRO - ALBUNA WATER TOWER		241	01-May-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-481.32
70-5-0700-7420	002073 Electricity				1,710.34
200141683019-, APR/20 HYDRO - METER#3		241	01-May-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-13.99
70-5-0700-7420	002073 Electricity				49.71
200141683120-, APR/20 HYDRO - METER#5		241	01-May-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-13.31
70-5-0700-7420	002073 Electricity				47.27
200141683423-, APR/20 HYDRO - METER#6		241	01-May-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-13.13
70-5-0700-7420	002073 Electricity				46.63
200141683524-, APR/20 HYDRO - METER#8		241	29-Apr-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-14.04
70-5-0700-7420	002073 Electricity				49.90
200141687362-, APR/20 HYDRO - METER#22		241	29-Apr-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-11.44
70-5-0700-7420	002073 Electricity				40.65
200141687766-, APR/20 HYDRO - METER#29		241	29-Apr-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-13.51
70-5-0700-7420	002073 Electricity				48.03
200141687867-, APR/20 HYDRO - METER#24		241	29-Apr-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-11.37
70-5-0700-7420	002073 Electricity				40.38
200141690190-, APR/20 HYDRO - METER#26		241	28-Apr-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				-19.60
70-5-0700-7420	002073 Electricity				69.64
200152134969-, APR/20 HYDRO - METER#17		241	11-May-2020	13-May-2020	
70-5-0700-7420	002073 Electricity				46.12
70-5-0700-7420	002073 Electricity				-12.98
<b>150365</b>	<b>ONTARIO CLEAN WATER AGENCY</b>				
INV0000000150 APR/20 OPER&MTCE		241	30-Apr-2020	13-May-2020	
70-5-0700-6720	002071 OCWA Operating Contract				276,874.61



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Vendor Code	Vendor Name					Batch	Inv Date	Inv Due Date	Amount
Invoice No.	Description								
G.L. Account	CC1	CC2	CC3	GL Account Name					
<b>DEPARTMENT 0700</b>	Union Water System								
<b>190185</b>	<b>SGS CANADA INC. ENVIRONMENTAL SERVICES</b>								
11329059	WATER QUALITY STUDIES CORROSION-UWSS				241	27-Apr-2020	13-May-2020		
70-5-0700-7989	002075			Operational Programs & Studies				355.95	
11329065	WATER QUALITY STUDIES CORROSION-LAKESHORE				241	27-Apr-2020	13-May-2020		
70-5-0700-7989	002075			Operational Programs & Studies				98.31	
11329083	WATER QUALITY STUDIES CORROSION-LEAMINGTON				241	27-Apr-2020	13-May-2020		
70-5-0700-7989	002075			Operational Programs & Studies				98.31	
11329136	WATER QUALITY STUDIES CORROSION-ESSEX				241	27-Apr-2020	13-May-2020		
70-5-0700-7989	002075			Operational Programs & Studies				98.31	
11329140	WATER QUALITY STUDIES CORROSION-KINGSVILLE				241	27-Apr-2020	13-May-2020		
70-5-0700-7989	002075			Operational Programs & Studies				98.31	
<b>190466</b>	<b>SOUTHPOINT PUBLISHING INC</b>								
130634	NEWS RELEASE - COVID 19				241	28-Apr-2020	13-May-2020		
70-5-0700-7130	002070	008002	Advertising & Promotion					452.00	
<b>190755</b>	<b>SUN LIFE ASSURANCE COMPANY OF CANADA</b>								
MAY-20	MAY/20 UNION WATER LOAN 3724:1				241	01-May-2020	13-May-2020		
70-5-0700-6000	002020	006901	Debenture Principal					109,566.50	
70-5-0700-6100	002010	006901	Debenture Interest					102,048.60	
<b>Department Totals :</b>								<b>605,986.67</b>	