



JOINT BOARD OF MANAGEMENT

Wednesday, November 21, 2018

9:00 AM

Kingsville Community Room

Kingsville Arena

1741 Jasperson Road, Kingsville

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, September 27, 2018
Pages 2 - 5

D. Business Arising Out of the Minutes

E. Items for Consideration:

1. UW/24/18 dated November 16, 2018 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to November 16, 2018
Pages 6 - 8
2. UW/25/18 dated November 16, 2018 re: Update on UWSS Operations and Capital Budgets
Pages 9 - 12
3. Verbal update on Operations & Maintenance Contract
4. UW/26/18 dated November 16, 2018 re: Payments from September 22 to November 16, 2018
Pages 13 - 22

F. New Business:

G. Adjournment:

H. Date of Next Meeting: To be determined

/kmj



Page 2 of 22
**JOINT BOARD OF
MANAGEMENT**

Thursday, September 27, 2018
9:00 AM

Ruthven Water Treatment Plant,
Board Room
1615 Union Avenue
Ruthven, Ontario

MINUTES

Members Present: Deputy Mayor MacDonald (Chair); Councillors Dunn, Jacobs, Hammond, Verbeke - Leamington
Mayor Nelson Santos (Vice-Chair); Deputy Mayor Queen,
Councillors Gaffan, Neufeld, Patterson - Kingsville
Mayor McDermott - Essex

Members Absent: Mayor Paterson - Leamington
Councillor Diemer - Lakeshore

UWSS Staff

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

Municipal

Staff Present: Shaun Martinho - Kingsville

OCWA Staff

Present: Dale Dillen, Ken Penney

Call to Order: 9:01 am

Disclosures of Pecuniary Interest: none

Adoption of UWSS Minutes:

No. UW-42-18

Moved by: Councillor Jacobs

Seconded by: Deputy Mayor Queen

That Minutes of the UWSS Joint Board of Management meeting of July 18, 2018 be received.

Carried

Adoption of UWSS Special Minutes:

No. UW-43-18

Moved by: Councillor Patterson

Seconded by: Councillor Hammond

That the Minutes of the UWSS Joint Board of Management Special meeting of Thursday, July 26, 2018 be received.

Carried

Business Arising Out of the Minutes:

There was none.

Reports/Correspondence

Report UW/22/18 dated September 21, 2018 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to September 21, 2018

The Manager notes that he wanted to ensure that this meeting was slightly shorter than normal due to the upcoming elections he wanted to keep things simple, but still provide information to members of the board.

The Manager notes that the Essex Water Tower (EWT) rehabilitation project has been completed. The EWT was put back into service on August 21st and the Notice of Completion form was issued on August 28th. He reminds members that the warranty inspection will take place two (2) years from now and then the final release of warranty and maintenance holdbacks will occur at that time. He also informs the board members that more lights will be added around the tower bowl, however, OCWA staff will take care of this item.

The Leamington Water Tower (LWT) warranty inspection took place over the summer and the new cathodic protection system was installed. The LWT was put back into service on August 2, 2018 with no issues. The Manager notes that he is very pleased with the work the contractor, JDCMI, has done on both LWT and EWTs.

Last month he had reported High Lift Pump #1 had a vibration. Since that time the motor has been inspected, repaired and returned to service.

The UWSS is currently undertaking a water rate study for the financial plan and working with Watson & Associates. He confirms that all data has been provided and he expects to have a draft of the study completed by the end of October.

The CO₂ pH Adjustment system project is moving along nicely. He confirms that the geotechnical study has been completed and the 90% design report should be completed shortly. He is hoping to break ground before the end of this year and everything in place for operations in the spring of 2019. He also confirms that so far this project is within the approved budget. The Manager also confirms that UWSS has entered into a five (5) year contract with Air Liquide to provide the bulk CO₂, the tank, monitoring and filling when needed.

The SCADA project is also moving along well with most of the background gathering information completed. The Wonderware platform has been chosen for this system and it is anticipated that construction of the project will be awarded by December 2018. He believes this project will then take one (1) year to complete.

The shop roof has been replaced and the warranty has been received. The surge tanks have been inspected by PW Makar. As they have never been inspected there was some worry, however all seems well. These tanks protect the system against water hammer and prevent pipes from bursting.

C3 has been retained to assist with the updated water model and will be working with the municipalities to calibrate and obtain actual data to better understand water use. The C3 Water team was arriving the next day to do actual pump testing.

The Manager notes that the residual management pile is going to be smaller as DiMenna Excavating will be removing 1500 tons. There is a small charge to bring it to the EWSWA to be used for daily cover, but there is still no approval from the MOECC to use anywhere else.

The Town of Kingsville has received a 100% rating on its MOE inspection.

The Manager then discusses restructuring and notes that the legal and financial team have developed all the necessary documents, investigating credit rating and working towards developing agreements and bylaws. The Board asks the Manager which towns UWSS is waiting for. The Manager indicates that Leamington and Kingsville have provided approvals, but Lakeshore received the information and Essex is waiting on a staff report.

The Manager then notes that flows are up quite a bit over last year, however, there is still lots of capacity in the system. There is then a small discussion regarding the chlorine smell. The Manager then discusses the switch to free chlorine.

No. UW-44-18

Moved by: Mayor McDermott

Seconded by: Councillor Jacobs

That report UW/22/18 dated June 15, 2017 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to September 21, 2018 is received.

Report UW/23/18 dated September 21, 2018, re: Payments from July 13 to September 21, 2018

No. UW45-18

Moved by: Councillor Verbeke

Seconded by: Councillor Dunn

That Report UW/23/18 dated September 21, 2018 re: Payments from July 13 to September 21, 2018 is received.

Carried (UW23/18)

New Business:

The Manager briefly discusses the new UWSS wall map that is being developed.

Adjournment:

Moved by: Councillor Patterson

Seconded by: Councillor Hammond

That the meeting adjourn at 9:30 am

Carried

Date of Next Meeting: Wednesday, October 17, 2018 at 9 am at the Ruthven Water Treatment Plant, Board Room

/kmj

UW/24/18

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

From: Rodney Bouchard, Union Water Manager

Date: November 16, 2018

Re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to November 16, 2018



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.

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. An arc flash occurred on August 28, 2018 in the electrical MCC for Low Lift pump #3. Further inspection indicated that most of the components needed to be replaced. Phasor Electric of Kingsville was retained to assess the damages and come up with a repair plan. Since the pump was not required at the time, it was decided to delay the repair to later Fall when more time was available. It is expected that this work will be done by Phasor Electric in the upcoming weeks and completed by early December.
3. OCWA operations have returned to the use of DelPAC coagulant now that the raw water is cooler and aluminum residuals in treated drinking water have remained under the guideline of 0.100 mg/L. The coagulant switch was completed on October 21st, 2018.
4. A power outage occurred at the Low Lift plant on October 19, 2018. It was noted that a large tree fell on the power lines that feed the low lift building. The facility had to run on diesel power until Hydro One completed the repairs on October 21th, 2018.
5. A leak at a service connection and air relief valve adjacent an old meter pit on Road 2 between Union Ave and Peterson Sideroad has been repaired. The repair work was led by Town of Kingsville. The road and driveways have been asphalted. Repairs were completed the week ending October 26th, 2018.

Re: UW/24/18 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to November 16, 2018

6. UWSS retained DiMenna Excavating Contractors Inc. of Ruthven to remove materials from the residuals pile for use at the Essex Windsor Solid Waste Authority (ESWSA) landfill. Almost 2000 tons of materials were removed by the end of October 2018 and brought to the landfill for use as daily cover materials.
7. Low Lift pump #2 soft start failed and upon further inspection it was identified that a new soft start was needed. The new soft start parts in the amount of \$5,000 were purchased and installed by OCWA staff. Low Lift #2 pump was put back into service on November 9th, 2018.
8. Cathodic protection inspections on the water towers will take place on November 19th, 2018.
9. Continental Carbon Group (CCG) has been retained to complete the filter media replacement for Filters #6 and #8. CCG previously completed filter media replacement for Filters #1, 2, 3, 4, 5 and 7. The filter media replacement for Filters #6 and #8 is scheduled for completion by the end of December 2018.
10. Stantec Consultants (Stantec) was retained to undertake project management, tendering and contract management services for rehabilitation of the Cottam Booster Reservoirs soil cover. A budget for this project was approved at the July 18, 2018 UWSS Board meeting. Stantec prepared construction drawings for the work for the tendering process. Quotes were received on November 2nd, 2018 from six (6) local contractors. The Quotes were reviewed by Stantec and then UWSS General Manager and the tender was awarded to Rudak Excavating Inc. of South Woodslee, ON in the amount of \$37,653. Quotes received ranged from a low of \$37,653 to a high of \$90,980. This work will be initiated before the end of November 2018 and is scheduled for completion by the end of December 2018.
11. DWQMS Management review meeting between OCWA and UWSS took place on November 15th, 2018. No outstanding issues were identified and all necessary action items have been completed or scheduled for completion. Filters 6&8 will be drained and ready for new media on November 19th. Work should be completed by the end of December.
12. CO2 pH Adjustment/ Chlorine System Improvements Project Update: - The Design Engineer (Associated Engineering) completed the 90% design package for the project. This was reviewed with UWSS and OCWA operations staff and approved for Tendering to pre-selected qualified contractors. Associated Engineering issued the tender on November 12, 2018. A mandatory site meeting is scheduled at the UWSS Ruthven Water Treatment Plant for November 21, 2018. The tender closes on December 7th, 2018.
13. SCADA Upgrade Project Update: The SCADA consultant, Summa, is completing the drawings for the Programmable Logic Controller (PLC) cabinets. Summa has scheduled a workshop on December 3rd, 2018 with

Re: UW/24/18 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to November 16, 2018

UWSS and OCWA operations staff to present and review the Program Control Narratives (PCNs) and other completion of PLC design is ongoing. It's anticipated that the construction of the physical aspects of the new SCADA system will be tendered in January 2019 and construction of the system will be initiated at the beginning of March 2019.

14. The UWSS has retained Watson & Associates to complete a Water Rate Study for the Ontario Regulation 451 Financial Plan for UWSS. This O.Reg 451 Financial Plan is required to be submitted with the UWSS' Municipal Drinking Water License (MDWL) renewal application that is due for submittal to the Ministry of Environment on January 20th, 2019. A meeting with Watson and UWSS is scheduled for December 3rd, 2018 to review the draft Financial Plan. It is anticipated that the Financial Plan will be finalized and submitted to UWSS by the end of December 2018.

15. UWSS and OCWA operations staff are working together to complete the UWSS Municipal Drinking Water License Renewal application. OCWA corporate compliance group will assist to ensure that the application is completed as required and that a complete application package is submitted to the MOE by the January 20th, 2019 due date.

Comparative Flows for 2014 through 2018 in Millions of Imperial Gallons (for the period 1 January to November 15, 2018)

	2014	2015	2016	2017	2018
Flow to Date (MG)	3003.50	2918.51	3119.95	3086.26	3284.50
Max Day (MGD)	15.70	15.36	16.75	16.62	18.14
Min Day (MGD)	4.19	3.79	4.29	4.56	5.18
Average Day (MGD)	9.42	9.15	9.75	9.67	10.30
No of Days	319	319	320	319	319

Flows to date are up 198.24 MIG or 6.42% from last year. The 2018 flows to date are up 8.33% 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/25/18

Report

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

From: Rodney Bouchard, Union Water Manager

Date: November 16, 2018

Re: Update on UWSS Operations and Capital Budgets



Recommendation:

That the Union Water Supply Joint Board of Management (UWSS Board) receives this report for information.

Background:

The UWSS Manager typically provides a mid-year update on UWSS Revenues and Expenditures as compared to the approved budget. This was completed at the July 18, 2018 UWSS Board meeting.

However, the UWSS Manager felt that due to the recent municipal election, a Budget status report should also be provided at the November 2018 UWSS Board meeting since this will be the last meeting of the current UWSS Board.

Discussion:

The attached documents provide a current status of the UWSS 2018 Operations and Capital Budgets including Revenues and Expenditures and UWSS Reserves forecasted to December 31st, 2018. The attachments also provide a status of ongoing studies and capital works for 2018.

Conclusions:

The status of UWSS Operational and Capital Budgets for 2018 are being presented to the UWSS Board for information purposes.

November 16, 2018 - UW/25/18

Re: Update on 2018 UWSS Operations and Capital Budgets

Respectfully submitted,



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

Attachments.

T:\Union Wtr\Reports to Board\2018\UW25-18.UWSS 2018 Budget Status.November 16 2016.docx

	2018 Approved Budget	Actual and Projected to 2018 Year End	Budget Status (Projected to 2018 Year End)	Comments	
Water Flows					
Projected Water Demand (Imperial Gallons)	3,400,000,000	3,517,500,000	117,500,000	Flows significantly higher this year than predicted	
Revenue					
Wholesale Rate Billings	\$9,266,800	\$9,568,000	\$301,200	Increase revenue due to increased demand	
Investment Income	\$400,000	\$404,354	\$4,354		
Sundry revenue	\$24,000	\$20,326	(\$3,674)		
<i>Total Revenue:</i>	<i>\$9,690,800</i>	<i>\$9,992,680</i>	<i>\$301,880</i>		
Operating Expenditures					
Wages and Benefits					
Salaried	\$175,000	\$173,500	\$1,500	Category will be eliminated in future budgets	
Part time	\$0	\$0	\$0		
Benefits - Full time	\$62,000	\$62,000	\$0		
Benefits - Part time	\$0	\$0	\$0		
Total Wages and Benefits:	\$237,000	\$235,500	\$1,500		
Office Overhead, Rents and Services					
Office supplies	\$2,000	\$1,600	\$400		
Board expenses	\$1,500	\$0	\$1,500		
Dues, Memberships, Subsc	\$5,000	\$4,100	\$900		
Travel & Mileage	\$2,000	\$2,806	(\$806)		
Training	\$6,000	\$1,500	\$4,500		
Conferences	\$6,000	\$4,619	\$1,381		
Meeting Expenses	\$2,000	\$850	\$1,150		
Uniforms/Clothing	\$500	\$0	\$500		
Legal/Professional fees	\$75,000	\$72,000	\$3,000		
Audit Fees	\$7,000	\$5,877	\$1,123		
Property Taxes	\$145,000	\$146,283	(\$1,283)		
Operational Purchases/Maint.	\$20,000	\$17,500	\$2,500		
Sundry	\$250	\$0	\$250		
Leamington Assistance	\$30,000	\$30,000	\$0		
Communications	\$1,500	\$950	\$550		
Postage & Courier	\$500	\$98	\$402		
Advertising & Promotion	\$9,000	\$4,000	\$5,000		
Insurance	\$15,000	\$13,805	\$1,195		
Donations & Grants	\$4,000	\$3,000	\$1,000		
Office equipment Purchases/Maint.	\$7,500	\$2,300	\$5,200		
OCWA Operating & Maintenance Contract	\$2,799,837	\$2,799,837	\$0		
Electricity and Natural Gas	\$1,250,000	\$1,175,000	\$75,000		
Operational Programs & Studies	\$326,000	\$175,500	\$150,500		
Residuals Ponds Maintenance	\$150,000	\$75,000	\$75,000		
Watermain Repairs	\$100,000	\$48,000	\$52,000		
Municipal DW License Renewal	\$15,000	\$12,500	\$2,500		
Total Office, Overhead and Services:	\$4,980,587	\$4,597,126	\$383,461		
Debt Service					
Sun Life Debt Obligation	\$2,313,441	\$2,313,441	(\$0)		
Total Debt Service:	\$2,313,441	\$2,313,441	(\$0)		
Total Operating Expenditures:	\$7,531,028	\$7,146,067	\$384,961		
Net Operational Surplus/(Deficit):	\$2,159,772	\$2,846,613	\$686,841		
Capital Works Budget					
Capital Works and Major Maintenance	\$4,416,000	\$1,901,929	\$2,474,071	Delays in projects. To be reallocated to 2019 budget	
SURPLUS/(DEFICIT) AFTER CAPITAL WORKS:	(\$2,256,228)	\$944,685			
Reserves	Opening balance	Credit/Debit (Est.)	Closing Balance (Est.)		
Rate Stabilization Reserve	\$10,000,000	\$255,000	\$10,255,000	5-year GIC @2.55% term date May 2022	
Reserve 1 (capital reserve)*	\$6,212,722	\$1,095,000	\$7,307,722	Est. for Dec 31, 2018 (\$149,000 Interest and \$945,000 Surplus)	
Reserves Total:	\$16,212,722	\$1,350,000	\$17,562,722		
Bank Account					
WFCU General Bank Account*	\$8,628,273		\$2,801,569	As of November 9, 2018 * \$6,212,722 transferred to Reserve 1 on Feb. 27, 2018	

**Union Water Supply System
2018 Capital Budget Update
November 16, 2018**

<u>Item Description</u>	2018 Approved Study/ Capital Budget	Actual and Projected Expenditures to 2018 Year End	Study/Capital Budget Status (Projected to 2018 Year End)	Comments
<u>Studies and Programs</u>				
Water Quality (i.e. CWN, Corrosion Monitoring)	\$35,000	\$33,000	\$2,000	Ongoing corrosion monitoring and various water quality items
Water Demand/ Loss Study	\$100,000	\$85,000	\$15,000	Water model update and water demand review
UWSS Operations Contract Assessment	\$25,000	\$10,000	\$15,000	Contract with OCWA ends Dec. 31st. 2018. New agreement in draft.
Water Rate Study/ O.Reg 453 Financial Plan	\$35,000	\$32,500	\$2,500	To be completed at end of Dec 2018.
DAF System Preliminary Design (Continued from 2017)	\$20,000	\$15,000	\$5,000	Full design planned for 2019.
CO2 System Evaluation and Design (Continued from 2017)	\$60,000	\$0	\$0	Moved to Capital
Cottam Booster System Reservoir Cover Rehab Design & Eng.	\$51,000	\$0	\$0	Moved to Capital
<i>Total Studies/Programs:</i>	\$326,000	\$175,500	\$39,500	
<u>Capital Works and Major Maintenance</u>				
Low Lift Pump #1 Major Maintenance	\$35,000	\$35,000	\$0	Scheduled for Dec 4th. 2018
Microstrainer Floors - Microstrainer #2	\$40,000	\$0	\$0	Budget to be included part of CO2 Project - 2019
Filter Media Replacement -Filters 6 and 8	\$150,000	\$150,000	\$0	To be completed in December 2018
Turbidity Meters for Filter Backwash	\$20,000	\$17,500	\$2,500	Unit installed. Second unit to be installed
High Lift Pump #7 New Pump and Motor	\$0	\$0	\$0	Not needed. Will look at it in future
New Kitchen/ Lunchroom	\$25,000	\$24,847	\$153	Completed
New Laboratory	\$75,000	\$0	\$75,000	Moved to 2019. Can't be done until CO2 project done
Maintenance Shop Roof	\$30,000	\$29,323	\$677	Completed
Lighting Upgrades	\$20,000	\$13,000	\$7,000	Upgrade to LED tubes in all treatment plant fluorescents
Essex Water Tower Rehabilitation (interior and exterior)	\$1,050,000	\$1,070,232	(\$20,232)	Project complete - Slightly above budget
Distribution System Maintenance	\$100,000	\$50,000	\$50,000	Various projects being done
Cathodic Protection System for Leamington Water Tower	\$20,000	\$23,225	(\$3,225)	Completed.
Security System Install	\$45,000	\$0	\$45,000	To be included as part of SCADA Project - 2019
SCADA System Upgrade - Complete new system*	\$750,000	\$175,000	\$575,000	Tender in Jan 2019. Construction in 2019
CO2 pH Adjustment System Engineering and Construction*	\$950,000	\$110,000	\$840,000	Tender Dec 2018 Construction in 2019
Chlorine Building System and Building Improvements*	\$900,000	\$75,000	\$825,000	This is being done in conjunction with CO2
Cottam Booster Reservoir Cover Regrading **	\$151,000	\$100,000	\$51,000	Tender awarded. Construction in Nov/Dec 2018
High Lift #1 Motor Repair	\$15,000	\$0	\$15,000	Complete. Paid through OCWA budget
Main Wash #1 Actuator Upgrade	\$20,000	\$9,541	\$10,459	Completed
Admin Area upgrades	\$20,000	\$19,261	\$739	Boardroom/ Admin redesign
<i>Total Capital Works and Major Maintenance:</i>	\$4,416,000	\$1,901,929	\$2,474,071	

UW/26/18

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

From: Rodney Bouchard, Union Water Manager

Date: November 16, 2018

Re: Payments for the UWSS from September 22 to November 16, 2018



Aim:

To provide the Board with a copy of payments made by the Union Water Supply System from September 22 to November 16, 2018, 2018.

Recommendation:

For information purposes.

Respectfully submitted,



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

rb/kmj

Filename: T:\Union Wtr\Reports to Board\2018\UW26-18 Payments from September to November
2018.docx

Council/Board Report By Dept-(Computer)



AP5130

Page : 19

Date : Sep 28, 2018

Page 14 of 22

Vendor : 0011450 To PT00000158

Batch : All

Department : All

Cheque Print Date : 27-Sep-2018 To 28-Sep-2018

Bank : 07 To 08

Class : All

Vendor Invoice	Vendor Name Description					Batch Invc Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name				Amount
DEPARTMENT 0700 Union Water System								
030004	C3 WATER INC							
201808-288	WATER MODEL					507 17-Sep-2018	27-Sep-2018	
70-5-0700-7989	002075			Operational Programs & Studies				2,592.50
030458	CORRPRO CANADA INC							
517664	LWT - CATHODIC PROTECTION					507 31-Aug-2018	27-Sep-2018	
70-7-0700-8715				Leamington Water Tower				26,243.91
080025	HACH SALES & SERVICE CANADA LP							
176616	BACKWASH PUMP					507 04-Sep-2018	27-Sep-2018	
70-7-0700-8795				Water Quality/Level Instrumentation				9,227.98
230440	WILLIS BUSINESS LAW							
8975	LEGAL FEES - RESTRUCTURING					507 31-Aug-2018	27-Sep-2018	
70-5-0700-7950	002070			Professional Services				6,349.72
8976	LEGAL FEES - AGMT REVIEW (AIR LIQUIDE)					507 31-Aug-2018	27-Sep-2018	
70-5-0700-7950	002070			Professional Services				353.13
Department Totals :								44,767.24



Vendor : 0011450 To PT00000158

Batch : All

Department : All

EFT Paid Date : 27-Sep-2018 To 28-Sep-2018

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				
DEPARTMENT 0700	Union Water System							
030405	COLLABRIA							
AIR CANADA-A AIR FARE - CWWA CONF - NOV3-7					508	11-Sep-2018	27-Sep-2018	
70-5-0700-7050		002070		Conferences				163.99
WEF-90005495 WEF MEMBERSHIP					508	14-Aug-2018	27-Sep-2018	
70-5-0700-7020		002070		Dues, Memberships and Subscriptions				313.34
050195	ESSEX POWERLINES CORPORATION							
220651-SEP18 14KWH - METER#4					505	20-Sep-2018	27-Sep-2018	
70-5-0700-7420		002073		Electricity				-2.96
70-5-0700-7420		002073		Electricity				41.78
210120	UNION GAS LTD							
1929770208308 42.360M3 GAS - RUTHVEN WTP					505	21-Sep-2018	27-Sep-2018	
70-5-0700-7410		002073		Gas				91.77
					Department Totals :			607.92

Council/Board Report By Dept-(Computer)

AP5130

Date : Oct 15, 2018

Page 16 of 22

Time : 10:56 am



Vendor : 0011450 To PT00000159

Batch : All

Department : All

Cheque Print Date : 11-Oct-2018 To 15-Oct-2018

Bank : 07 To 08

Class : All

Vendor Invoice	Vendor Name Description				Batch Invc Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name			Amount
DEPARTMENT 0700 Union Water System							
080250 HYDRO ONE NETWORKS INC							
200141682009	SEP/18	HYDRO - ALBUNA WATER TOWER			532 02-Oct-2018	11-Oct-2018	
70-5-0700-7420	002073	Electricity					-18.49
70-5-0700-7420	002073	Electricity					261.13
200141683120	SPE/18	HDYRO - METER#5			532 01-Oct-2018	11-Oct-2018	
70-5-0700-7420	002073	Electricity					-2.29
70-5-0700-7420	002073	Electricity					32.43
150365 ONTARIO CLEAN WATER AGENCY							
INV000106354	SEP/18	OPER & MTCE			532 30-Sep-2018	11-Oct-2018	
70-5-0700-6720	002071	OCWA Operating Contract					227,203.56
180325 RICOH CANADA INC							
SCO92126863	COPIER - AUG23-SEP30				532 28-Sep-2018	11-Oct-2018	
70-5-0700-7010	002070	Office Supplies					89.27
190635 STANTEC CONSULTING LTD							
1311858	UPGRADE OF UWSS MAP - SEP14				532 20-Sep-2018	11-Oct-2018	
70-5-0700-7989	002075	Operational Programs & Studies					2,876.48
1311867	WTP ADMIN AREA UPGRADES - SEP14				532 20-Sep-2018	11-Oct-2018	
70-7-0700-8745	700020	Treatment Plant					2,112.51
Department Totals :							232,554.60



Vendor : 0011450 To PT00000159

Batch : All

Department : All

EFT Paid Date : 11-Oct-2018 To 15-Oct-2018

Bank : 07 To 08

Class : All

Vendor Code Vendor Name

Invoice No. Description

G.L. Account CC1 CC2 CC3 GL Account Name

Batch Invc Date

Invc Due Date

Amount

DEPARTMENT 0700 Union Water System

160530 PRICEWATERHOUSE COOPERS LLP

TR138182189 RESTRUCTURING CONSULTANT - FINANCIAL

532 03-Oct-2018 11-Oct-2018

70-5-0700-7950 002070 Professional Services

14,000.70

Department Totals :

14,000.70

Council/Board Report By Dept-(Computer)



AP5130

Page : 36

Date : Oct 23, 2018

Page 18 of 22

Vendor : 0011450 To PT00000161

Batch : All

Department : All

Cheque Print Date : 18-Oct-2018 To 23-Oct-2018

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							
030004 C3 WATER INC							
201809-288	WATER MODELING UPDATES				541 12-Oct-2018	18-Oct-2018	
70-5-0700-7989	002075			Operational Programs & Studies			6,656.27
080250 HYDRO ONE NETWORKS INC							
200141677460	SEP/18 HYDRO - RUTHVEN WATER TREATMENT				541 09-Oct-2018	18-Oct-2018	
70-5-0700-7420	002073			Electricity			68,474.53
200141680692	SEP/18 HYDRO - LOW LIFT				541 09-Oct-2018	18-Oct-2018	
70-5-0700-7420	002073			Electricity			-4.28
70-5-0700-7420	002073			Electricity			36,158.83
200152134969	SEP/18 HYDRO - METER#17				541 09-Oct-2018	18-Oct-2018	
70-5-0700-7420	002073			Electricity			-2.29
70-5-0700-7420	002073			Electricity			32.42
230089 WATSON & ASSOCIATES ECONOMISTS LTD							
24606	WATER RATE STUDY/FIN. PLAN O REG 453/07				541 28-Sep-2018	18-Oct-2018	
70-5-0700-7989	002070			Operational Programs & Studies			2,958.61
230440 WILLIS BUSINESS LAW							
9127	LEGAL FEES - RESTRUCTURING				541 30-Sep-2018	18-Oct-2018	
70-5-0700-7950	002070			Professional Services			4,680.61
9128	LEGAL FEES - AGMT REVIEW (AIR LIQUIDE)				541 30-Sep-2018	18-Oct-2018	
70-5-0700-7950	002070			Professional Services			127.13
Department Totals :							119,081.83



Vendor : 0011450 To PT00000161

Batch : All

Department : All

EFT Paid Date : 18-Oct-2018

To 23-Oct-2018

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				
210120					UNION GAS LTD				
1929770177678	50.959M3	GAS - COTTAM BOOSTER STN				541	12-Oct-2018	18-Oct-2018	
70-5-0700-7410	002073	Gas							38.70
Department Totals :									38.70

Council/Board Report By Dept-(Computer)

AP5130

Page 20 of 22

Date : Nov 02, 2018

Time : 12:18 pm



Vendor : 0011450 To PT00000161

Batch : All

Department : All

Cheque Print Date : 24-Oct-2018 To 01-Nov-2018

Bank : 07 To 08

Class : All

Vendor Invoice	Vendor Name Description					Batch Invc Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name				Amount

DEPARTMENT 0700 Union Water System**010103 ASSOCIATED ENGINEERING (ONT) LTD**

524772 SCADA UPGRADES - OCT5 567 11-Oct-2018 01-Nov-2018
 70-7-0700-8780 SCADA System 2,375.94

524775 CO2 WATER PH ADJUSTMENT SYSTEM - OCT5 567 11-Oct-2018 01-Nov-2018
 70-7-0700-8745 700200 Treatment Plant 30,750.93

020120 BELL MOBILITY CELLULAR

514877178-OC MONTHLY CELL PHONE CHARGES 554 01-Oct-2018 01-Nov-2018
 70-5-0700-7110 002070 002083 Telecommunications Usage 22.60

514877178-SEI MONTHLY CELL PHONE CHARGES 554 01-Sep-2018 01-Nov-2018
 70-5-0700-7110 002070 002083 Telecommunications Usage 62.15

080250 HYDRO ONE NETWORKS INC

200141683726- SEP/18 HYDRO - METER #15 567 24-Oct-2018 01-Nov-2018
 70-5-0700-7420 002073 Electricity -2.28
 70-5-0700-7420 002073 Electricity 32.28

200141690190- SEP/18 HYDRO - METER#26 567 25-Oct-2018 01-Nov-2018
 70-5-0700-7420 002073 Electricity -3.32
 70-5-0700-7420 002073 Electricity 46.89

200208899066- SEP/18 HYDRO - METER#16 567 15-Oct-2018 01-Nov-2018
 70-5-0700-7420 002073 Electricity -6.36
 70-5-0700-7420 002073 Electricity 89.77

200220161473- OCT/18 HYDRO - METER#14 567 24-Oct-2018 01-Nov-2018
 70-5-0700-7420 002073 Electricity -2.38
 70-5-0700-7420 002073 Electricity 33.69

150365 ONTARIO CLEAN WATER AGENCY

INV000107423 OCT/18 OPER&MTCE 567 31-Oct-2018 01-Nov-2018
 70-5-0700-6720 002071 OCWA Operating Contract 227,203.56

190635 STANTEC CONSULTING LTD

1318946 UPDATE OF UWSS MAP - OCT12 567 16-Oct-2018 01-Nov-2018
 70-5-0700-7989 002075 Operational Programs & Studies 1,608.49

1319985 CBS RESERVOIR COVER - OCT12 567 18-Oct-2018 01-Nov-2018
 70-7-0700-8725 700040 Cottam Booster Station 7,187.49

Department Totals : 269,399.45



Vendor : 0011450 To PT00000161

Batch : All

Department : All

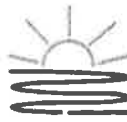
EFT Paid Date : 24-Oct-2018 To 01-Nov-2018

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
<hr/>									
DEPARTMENT 0700		Union Water System							
030405		COLLABRIA							
A4U TAXI-SEP2 TAXI - OCWA MTG						568	20-Sep-2018	01-Nov-2018	
70-5-0700-7052		002070		Meeting Expenses					18.00
BECK TAXI=SE TAXI - OCWA MTG						568	20-Sep-2018	01-Nov-2018	
70-5-0700-7052		002070		Meeting Expenses					17.50
CHELSEA HOTI ROOM/BREAKFAST - OCWA MEETING						568	20-Sep-2018	01-Nov-2018	
70-5-0700-7052		002070		Meeting Expenses					73.24
CHUCKS ROAC LUNCH - OCWA UPDATES						568	12-Sep-2018	01-Nov-2018	
70-5-0700-7052		002070		Meeting Expenses					36.51
70-5-0700-7052		002070		Meeting Expenses					7.30
CO-OP CABS-5 TAXI - OCWA MTG						568	19-Sep-2018	01-Nov-2018	
70-5-0700-7052		002070		Meeting Expenses					16.25
COURTYARD-2 ROOM - WOWW CONF & OCWA MTG						568	04-Oct-2018	01-Nov-2018	
70-5-0700-7050		002070		Conferences					116.34
FOUR POINTS LUNCH - R. BOUCHARD & D. BEAULIEU - AMHERSTBURG						568	02-Oct-2018	01-Nov-2018	
70-5-0700-7052		002070		Meeting Expenses					21.47
FRESHCO-488 MEETING SUPPLIES						568	26-Sep-2018	01-Nov-2018	
70-5-0700-7052		002070		Meeting Expenses					3.99
FRESHCO-946 KITCHEN SUPPLIES						568	27-Sep-2018	01-Nov-2018	
70-5-0700-7052		002070		Meeting Expenses					35.24
PORTER AIR-LI FLIGHT - R. BOUCHARD - CWWA CONF						568	11-Sep-2018	01-Nov-2018	
70-5-0700-7050		002070		Conferences					152.19
STAPLES-SEP1 LAPTOP BACKPACK						568	18-Sep-2018	01-Nov-2018	
70-5-0700-7010		002070		Office Supplies					89.87
VOYAGEUR-OC TAXI - WOWWC CONF.						568	03-Oct-2018	01-Nov-2018	
70-5-0700-7050		002070		Conferences					15.25
210120		UNION GAS LTD							
1929770208308 519.612M3 GAS - RUTHVEN WTP						553	23-Oct-2018	01-Nov-2018	
70-5-0700-7410		002073		Gas					218.38
1929770217397 132.726M3 GAS - LOW LIFT						553	25-Oct-2018	01-Nov-2018	
70-5-0700-7410		002073		Gas					59.91
Department Totals :									881.44

Council/Board Report By Dept-(Computer)



AP5130

Date : Nov 02, 2018

 Page : 22
 Time : 12:18 pm
 Page 22 of 22

Vendor : 0011450 To PT00000161

Batch : All

Department : All

Cheque Print Date : 24-Oct-2018 To 01-Nov-2018

Bank : 07 To 08

Class : All

Vendor Invoice	Vendor Name Description					Batch Invc Date	Inv Due Date	
G.L. Account	CC1	CC2	CC3	GL Account Name				Amount

DEPARTMENT 0136 A/P - Trade

100048 JACQUES DAOUST COATINGS MANAGEMENT INC

PC#7 17-028 PMT#7 ESSEX WATER TOWER - REHAB PROJECT

567 26-Oct-2018 01-Nov-2018

70-2-0136-0102 Accrued Liabilities (HST Rebate)

121,177.08