



**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



# 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  
Christine 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 21<sup>st</sup> and the Notice of Completion form was issued on August 28<sup>th</sup>. 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 CO<sub>2</sub> 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 CO<sub>2</sub>, 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



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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.

**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 21<sup>st</sup>, 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 21<sup>th</sup>, 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 26<sup>th</sup>, 2018.

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

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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 9<sup>th</sup>, 2018.
8. Cathodic protection inspections on the water towers will take place on November 19<sup>th</sup>, 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 2<sup>nd</sup>, 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 15<sup>th</sup>, 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 19<sup>th</sup>. 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 7<sup>th</sup>, 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 3<sup>rd</sup>, 2018 with

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

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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 20<sup>th</sup>, 2019. A meeting with Watson and UWSS is scheduled for December 3<sup>rd</sup>, 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 20<sup>th</sup>, 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

T:\Union Wtr\Reports to Board\2018\UW24-18 Operations report for November 2018.docx

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

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### 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 31<sup>st</sup>, 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

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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

## UNION WATER SUPPLY SYSTEM JOINT BOARD OF MANAGEMENT

## 2018 Budget Update

	2018 Approved Budget	Actual and Projected to 2018 Year End	Budget Status (Projected to 2018 Year End)	Comments
<b>Water Flows</b>				
Projected Water Demand (Imperial Gallons)	3,400,000,000	3,517,500,000	117,500,000	Flows significantly higher this year than predicted
<b>Revenue</b>				
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)	
<b>Total Revenue:</b>	<b>\$9,690,800</b>	<b>\$9,992,680</b>	<b>\$301,880</b>	
<b>Operating Expenditures</b>				
<b>Wages and Benefits</b>				
Salaried	\$175,000	\$173,500	\$1,500	
Part time	\$0	\$0	\$0	
Benefits - Full time	\$62,000	\$62,000	\$0	
Benefits - Part time	\$0	\$0	\$0	
<b>Total Wages and Benefits:</b>	<b>\$237,000</b>	<b>\$235,500</b>	<b>\$1,500</b>	
<b>Office Overhead, Rents and Services</b>				
Office supplies	\$2,000	\$1,600	\$400	Category will be eliminated in future budgets
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	
<b>Total Office, Overhead and Services:</b>	<b>\$4,980,587</b>	<b>\$4,597,126</b>	<b>\$383,461</b>	
<b>Debt Service</b>				
Sun Life Debt Obligation	\$2,313,441	\$2,313,441	(\$0)	
<b>Total Debt Service:</b>	<b>\$2,313,441</b>	<b>\$2,313,441</b>	<b>(\$0)</b>	
<b>Total Operating Expenditures:</b>	<b>\$7,531,028</b>	<b>\$7,146,067</b>	<b>\$384,961</b>	
<b>Net Operational Surplus/(Deficit):</b>	<b>\$2,159,772</b>	<b>\$2,846,613</b>	<b>\$686,841</b>	
<b>Capital Works Budget</b>				
Capital Works and Major Maintenance	\$4,416,000	\$1,901,929	\$2,474,071	Delays in projects. To be reallocated to 2019 budget
<b>SURPLUS/(DEFICIT) AFTER CAPITAL WORKS:</b>	<b>(\$2,256,228)</b>	<b>\$944,685</b>		
<b>Reserves</b>				
	<b>Opening balance</b>	<b>Credit/Debit (Est.)</b>	<b>Closing Balance (Est.)</b>	
Rate Stabilization Reserve	\$10,000,000	\$255,000	\$10,255,000	5-year GIC @2.55% term date May 2022 Est. for Dec 31, 2018 (\$149,000 Interest and \$945,000 Surplus)
Reserve 1 (capital reserve)*	\$6,212,722	\$1,095,000	\$7,307,722	
<b>Reserves Total:</b>	<b>\$16,212,722</b>	<b>\$1,350,000</b>	<b>\$17,562,722</b>	
<b>Bank Account</b>				
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
<b><u>Studies and Programs</u></b>				
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
<b>Total Studies/Programs:</b>	<b>\$326,000</b>	<b>\$175,500</b>	<b>\$39,500</b>	
<b><u>Capital Works and Major Maintenance</u></b>				
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
<b>Total Capital Works and Major Maintenance:</b>	<b>\$4,416,000</b>	<b>\$1,901,929</b>	<b>\$2,474,071</b>	

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



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**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



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				GL Account Name	Batch Invc Date	Invc Due Date	Amount	
G.L. Account	CC1	CC2	CC3						
<b>DEPARTMENT 0700 Union Water System</b>									
<b>030004 C3 WATER INC</b>									
201808-288						507 17-Sep-2018	27-Sep-2018		
70-5-0700-7989		002075			Operational Programs & Studies			2,592.50	
<b>030458 CORRPRO CANADA INC</b>									
517664						507 31-Aug-2018	27-Sep-2018		
70-7-0700-8715					Leamington Water Tower			26,243.91	
<b>080025 HACH SALES &amp; SERVICE CANADA LP</b>									
176616						507 04-Sep-2018	27-Sep-2018		
70-7-0700-8795					Water Quality/Level Instrumentation			9,227.98	
<b>230440 WILLIS BUSINESS LAW</b>									
8975						507 31-Aug-2018	27-Sep-2018		
70-5-0700-7950		002070			Professional Services			6,349.72	
8976						507 31-Aug-2018	27-Sep-2018		
70-5-0700-7950		002070			Professional Services			353.13	
<b>Department Totals :</b>									<b>44,767.24</b>



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					
<b>DEPARTMENT 0700</b>	Union Water System								
<b>030405</b>	<b>COLLABRIA</b>								
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	
<b>050195</b>	<b>ESSEX POWERLINES CORPORATION</b>								
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	
<b>210120</b>	<b>UNION GAS LTD</b>								
1929770208308 42.360M3 GAS - RUTHVEN WTP					505	21-Sep-2018	27-Sep-2018		
70-5-0700-7410	002073			Gas				91.77	
<b>Department Totals :</b>								<b>607.92</b>	

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



AP5130

Date : Oct 15, 2018

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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	Inv Date	Inv Due Date	Amount
G.L. Account	CC1 CC2 CC3 GL Account Name				
<b>DEPARTMENT 0700 Union Water System</b>					
<b>080250 HYDRO ONE NETWORKS INC</b>					
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
<b>150365 ONTARIO CLEAN WATER AGENCY</b>					
INV000106354	SEP/18 OPER & MTCE	532	30-Sep-2018	11-Oct-2018	
70-5-0700-6720	002071 OCWA Operating Contract				227,203.56
<b>180325 RICOH CANADA INC</b>					
SCO92126863	COPIER - AUG23-SEP30	532	28-Sep-2018	11-Oct-2018	
70-5-0700-7010	002070 Office Supplies				89.27
<b>190635 STANTEC CONSULTING LTD</b>					
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
<b>Department Totals :</b>					<b>232,554.60</b>

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Date :

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 Time : 10:56am

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				Batch	Inv Date	Inv Due Date	Amount
Invoice No.	Description							
G.L. Account	CC1	CC2	CC3	GL Account Name				
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
<b>Department Totals :</b>								<b>14,000.70</b>



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				GL Account Name	Batch Invc Date	Invc Due Date	Amount
G.L. Account	CC1	CC2	CC3					
<b>DEPARTMENT 0700 Union Water System</b>								
<b>030004 C3 WATER INC</b>								
201809-288	WATER MODELING UPDATES					541 12-Oct-2018	18-Oct-2018	
70-5-0700-7989	002075			Operational Programs & Studies				6,656.27
<b>080250 HYDRO ONE NETWORKS INC</b>								
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
<b>230089 WATSON &amp; ASSOCIATES ECONOMISTS LTD</b>								
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
<b>230440 WILLIS BUSINESS LAW</b>								
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
<b>Department Totals :</b>								<b>119,081.83</b>



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							Amount
G.L. Account	CC1	CC2	CC3	GL Account Name				
<b>DEPARTMENT 0700</b>				Union Water System				
<b>210120</b>				<b>UNION GAS LTD</b>				
1929770177678	50.959M3			GAS - COTTAM BOOSTER STN	541	12-Oct-2018	18-Oct-2018	38.70
70-5-0700-7410		002073		Gas				
<b>Department Totals :</b>								<b>38.70</b>

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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	Inv Date	Inv Due Date	Amount
G.L. Account	CC1 CC2 CC3 GL Account Name				
<b>DEPARTMENT 0700 Union Water System</b>					
<b>010103 ASSOCIATED ENGINEERING (ONT) LTD</b>					
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
<b>020120 BELL MOBILITY CELLULAR</b>					
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
<b>080250 HYDRO ONE NETWORKS INC</b>					
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
<b>150365 ONTARIO CLEAN WATER AGENCY</b>					
INV000107423	OCT/18 OPER&MTCE	567	31-Oct-2018	01-Nov-2018	
70-5-0700-6720	002071 OCWA Operating Contract				227,203.56
<b>190635 STANTEC CONSULTING LTD</b>					
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
<b>Department Totals :</b>					<b>269,399.45</b>

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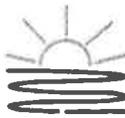
Time : 12:18pm

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	Invoice No.	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>030405 COLLABRIA</b>							
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
<b>210120 UNION GAS LTD</b>							
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
<b>Department Totals :</b>							<b>881.44</b>

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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				GL Account Name	Batch Invc Date	Invc Due Date	Amount
G.L. Account	CC1	CC2	CC3					

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