



**JOINT BOARD OF
MANAGEMENT**
Thursday, September 27, 2018
9:00 AM
Ruthven Water Treatment Plant
1615 Union Avenue
Ruthven

AGENDA

A. Call to Order:

B. Disclosures of Pecuniary Interest:

C. Approval of Minutes:

Minutes of the meeting of the Union Water Supply System Joint Board of Management Meeting held Wednesday, July 18, 2018
Pages 2 - 7

Minutes of the Special Meeting of the Union Water Supply System Joint Board of Management held Thursday, July 26, 2018
Pages 8 - 11

D. Business Arising Out of the Minutes

E. Items for Consideration:

1. UW/22/18 dated September 21, 2018 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to September 21, 2018
Pages 12 - 14
2. UW/23/17 dated September 21, 2018 re: Payments from July 13 to September 21, 2018
Pages 15 - 29

F. New Business:

G. Adjournment:

H. Date of Next Meeting: Wednesday, October 17, 2018, 9:00 am, Kingsville Community Room, 1741 Jasperson Road, Kingsville Arena

/kmj



JOINT BOARD OF MANAGEMENT

Wednesday, July 18, 2018
9:00 AM

Ruthven Water Treatment Plant
1615 Union Avenue

MINUTES

Members Present: Mayor Paterson - Leamington
Mayor Nelson Santos (Vice-Chair); Deputy Mayor Queen
Councillors Neufeld and Patterson - Kingsville
Mayor McDermott - Essex
Councillor Diemer - Lakeshore

Members Absent: Deputy Mayor MacDonald (Chair); Councillors Dunn, Hammond,
Jacobs, Verbeke
Councillor Gaffan - Kingsville

UWSS Staff Present: Rodney Bouchard - Manager
Khristine Johnson - Administrative Assistant/Recording Secretary

Staff Present: Shaun Martinho - Kingsville

OCWA Staff Present: Susan Budden
Dale Dillen

Call to Order: 9:00 am

Vice Chair calls the meeting to order.

Disclosures of Pecuniary Interest: none

Approval of UWSS Joint Board of Management Minutes:

No. UW-32-18

Moved by: Councillor Patterson

Seconded by: Deputy Mayor Queen

That Minutes of the UWSS Joint Board of Management meeting of June 20, 2018
be received.

Carried

Business Arising Out of the Minutes:

None

Items for Consideration:**Report UW/17/18 dated July 13, 2018 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to March 29, 2018**

The Manager updates members of the board on the progress of the rehabilitation of the EWT. He notes that the logo has been applied and scaffolding is being taken down. He confirms that antennas are back in place and lights will be added to the structure. He also confirms that the project is on budget and proceeding slightly ahead of schedule.

The LWT warranty inspection has been completed and there was only some minor failures notes. JDCMI attended the site to make the minor repairs. The corrosion system is now installed and the LWT will be put back into service starting the 3rd week of July.

The Manager reminds members that Watech services had inspected both raw water intakes on June 14th. The has reviewed the inspection report and only some minor repairs were noted and therefore, these repairs will be completed in the Spring of 2019.

High Lift #1 pump was experiencing some vibrations, due to a bearing issue and therefore has been taken out of service and sent to Phasor for repairs.

The previously reported leak in meter chamber on 2nd Concession has been inspected with OCWA and Kingsville staff. It appears that the chamber is no longer filling with water. Staff will monitor but at this point no further repairs or actions are necessary.

The new valve in front of Cottam Booster Station has been installed and is operational.

The MOE has informed the UWSS that its Municipal Drinking Water Licence (MDWL) is due for renewal by January 2019. The Manager notes that a Financial Plan and a review of the water rates will be required to be completed as part of the process. He will explain further in his budget report later in the meeting.

The Town of Essex received its MOE Inspection rating of 97.45% and the Manager notes that any issues were administrative in nature and nothing to do with safe drinking water.

A Cyanobacteria monitoring station has been installed at the UWSS WTP as part of a blue green algae study. The Manager explains that the UWSS has been chosen to participate in the \$12 million study with not cost of its own and is being led by the University of Montreal Ecole Polytechnique. He also notes that the equipment is worth approximately \$40,000 and at the end of the study is UWSS's to keep. He feels this is a valuable study to be part of and will provide data via cellular reception back to Montreal.

Finally, the Manager notes that flows are some of highest that the UWSS has seen in a number of years and this has improved the budget outlook for 2018.

No. UW-34-18

Moved by: Mayor Paterson

Seconded by: Mayor McDermott

That report UW/17/18 dated July 13, 2018 Re: Status Updates of UWSS Operations & Maintenance Activities and Capital Works to July 13, 2018 is received.

Carried (UW/17/18)

Report UW/18/18 dated July 11, 2018 RE: Design, Engineering and Construction - Cottam Booster Station Reservoir Cover Rehabilitation

The Manager informs members of the Board that the grass on top of the CBS Reservoir has experienced some erosion and there is concern of leaking water into the liner (specifically during heavy rains). Stantec Consulting Ltd was contacted to assess the damage and determine the best course of action. They determined that the coverage is too small and spongy and can certainly cause issues in the future if not dealt with soon.

The Manager then requested a proposal from Stantec to provide engineering services for the rehabilitation of the CBS Reservoir protective cover and associated structures. The proposal of \$51,000 includes design and quotation services, construction management services and maintenance period services.

Stantec will design the coverage required and then put together a tender package, at that point the Manager will return to the Board with follow up information.

The Manager notes that this repair should be considered as any damage to the liner of the CBS Reservoir could hinder the safe drinking water.

The Board asks the Manager if the rehabilitation is going to be something better than previously in place or just fix what had been in place. The Manager notes that the rehabilitation will improve what was there and allow for a better drainage tile system.

No. UW-35-18

Moved by: Councillor Diemer

Seconded by: Councillor Patterson

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

And further, that the Board approves a budget of \$50,000 to be funded from the UWSS Operating Funds Reserve for Design, Engineering, and Construction Management Services for the Rehabilitation of the Reservoir Cover at the Cottam Booster Station;

And further, that the UWSS Board authorizes the UWSS General Manager to undertake a direct negotiation with Stantec Consulting Ltd Windsor, Ontario office for these consultant engineering services

Carried (UW/18/18)

Report UW/19/18 dated July 16, 2018 RE: Proposed 2018 UWSS Budget Amendment (submitted under Supplementary Agenda Cover)

The Manager reminds members of the board that he typically provides a Mid-Year Budget update. He notes that his first five (5) years with the UWSS have been fairly easy to predict the budgets and any potential changes. Recently, those predictions have been more challenging as flows have increased and multiple projects are underway. He also points out that the UWSS prepares and approves the budget early on and changes throughout are becoming the norm.

The Manager confirms with members that there has been a drastic increase in the water demand for the 2018 year. As of June 30th the flows are approximately 9.6% or 147 million gallons of water above budgeted demand, however there tends to be a slow down of flow demand in the Fall, so he is being conservative by using 100 million gallons above approved budget. This increase in water demand translates into \$262,000 increased revenue.

Investment income has also been better than anticipated with \$130,000 increase, due to better than anticipated market performance.

The Manager then reviews some of the changes to the 2018 budget. He confirms that he has had to add in a line item for unexpected watermain repairs (as this seems to be the trend year over year) and the UWSS Drinking Water Licence will be due much earlier than anticipated and will fall into the 2018 year as opposed to midway through 2019.

He then reviews some of the other amendments to the budget including a small increase to post retirement benefits, office overhead, restructuring (which is a carryover from 2017), advertising and promotion (Free Chlorine) and the OCWA Operating and Maintenance Contract. These changes will increase the budget by approximately \$229,000.

The Manager then reviews some of the changes to the capital budget, which will result in a decrease in the budget of approximately \$465,000. Some projects here include DAF system, CO2 system, CBS (previous report), and a few others.

The Board asks the Manager to confirm in the investment income increase is from One Fund or GIC investments. The Manager confirms it is through GICs.

No. UW-36-18

Moved by: Mayor Paterson

Seconded by: Councillor Neufeld

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

That the UWSS Board approves the 2018 UWSS Amended Budget as outlined in this report.

Carried (UW19/18)

Report UW/20/18 dated July 13, 2018 re: Payments from June 16 to July 13, 2018**No. UW-37-18**

Moved by: Deputy Mayor Queen

Seconded by: Mayor McDermott

That report UW/20/18 dated July 13, 2018 re: Payments June 16 to July 13, 2018 is received.

Carried (UW/20/18)

New Business:

The Board asks the Manager if he has heard of fresh water jelly fish found in the Port Dover area and whether or not this should be a concern for our intakes. The Manager indicates that he has not heard of this development and will conduct some research.

The Board then asks the Manager if there is a plan in place in case OCWA was to go on strike (due to recent governmental changes). The Manager indicates that OCWA has the authority to deem necessary staff as essential thus preventing them from participating in a strike.

The Manager then briefly discusses the OCWA contract negotiations indicating that he was hoping to have a contract in place prior to the municipal elections, however, recent Provincial Government elections and changes of policy have added a small hiccup to the negotiations. He notes that he needs to obtain further information regarding provincial hiring freezes.

The Manager also updates members on the UWSS switch over the free chlorine from chloramination in early June of this year. He confirms that he just received confirmation from the MOE that UWSS can continue with the use of free chlorine for a period of another ten (10) months. This will allow the UWSS to go through an entire year, all four (4) seasons, to have a complete picture of how the water reacts in all temperatures. He does not that there have been a few taste and odour complaints and staff is adjusting processes as necessary.

The Board asks the Manager if the water spilling from the KWT has been resolved. The Manager explains that all communications at the WTP are now back in service and the valve that caused the problem for the KWT to overflow has been replaced. He further notes that the KWT will most likely go through a rehabilitation, just at LWT and EWT, in 2020.

There is then a questions as to whether or not UWSS should issue a statement regarding its position on fluoridation. Recently, the Town of Essex issued a statement noting that it will not be switching over to fluoride. The Manager states that he has already written to the provincial government regarding the UWSS position on fluoridation and if each municipality wishes to issue a statement they certainly may.

Adjournment:

No. UW-38-18

Moved by: Deputy Mayor Queen

Seconded by: Councillor Diemer

That the meeting adjourn at 9:45 am

Carried

Several Board members stay and have a brief tour of the updates, including the new kitchen, that have occurred around the WTP over the last year.

Date of Next Meeting: August 15, 2018, 9:00 am, Unico Building, 37 Beech Street, Kingsville

/kmj



JOINT BOARD OF MANAGEMENT

Thursday, July 26, 2018
9:00 AM

Kingsville Community Room
Kingsville Arena
1741 Jasperson Road, Kingsville

MINUTES OF SPECIAL MEETING

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

Members Absent: Councillors Dunn and Verbeke - Leamington
Councillor Neufeld - Kingsville
Councillor Diemer - Lakeshore

**Municipal Staff
Present:**

none

**OCWA Staff
Present:**

Susan Budden - Business Development Manager

Call to Order: 9:01 am

Disclosures of Pecuniary Interest: none

Items for Consideration:

Update on the Evaluation of the Operations and Maintenance Services Agreement for the UWSS Facilities (Verbal)

The Manager provides the members of the Board with a brief update on the services agreement with OCWA. He reminds members that the current contract with OCWA will end on December 31, 2018. He notes that there are three (3) options the board can consider with approaching Operations and Maintenance (O&M) services:

1. Provide the services on our own, which would mean UWSS would be directly responsible for O&M;
2. Private company is retained for O&M services; he reviews a few options under this notation.
3. OCWA, which is a government agency.

The Manager indicates that he has done an evaluation of each of the above categories and spoken to a number of colleague that use all forms listed above. He confirms that

Page 2, July 26, 2017

UWSS Joint Board of Management Special Meeting Minutes

UWSS is not in a position to run the facilities with its own staff; the existing governance structure is not set up for provision of this service. Private companies are in the business of making money and there are only a few good private companies that would meet the criteria UWSS would need. However, any profit made by the company would be directed somewhere else and there is the potential that service/maintenance could suffer to increase profit margin. That leaves OCWA, which is the preferred option, moving forward.

The Manager reminds board members that the contract of 2014 had a clause for a possible five (5) year extension and he indicates that there were a lot of good things within that contract, such as the fixed fee. This works well for UWSS and he is hoping to expand upon this. He is looking at a possible ten (10) year contract, as that seems to be favourable among colleagues all across Ontario. OCWA is also potentially offering a capital loan, which would work better over the course of a ten (10) year contract.

OCWA's Business Development Manager then takes over from UWSS Manager and provides members with further information regarding the services agreement. She provides members with UWSS's Performance Report according to OCWA's work order management system. She notes that OCWA is hoping to increase staffing at the UWSS facility to provide better capital management, so members are assured that OCWA is maintaining all UWSS assets appropriately.

She also notes OCWA's community involvement and how this agreement will see UWSS as a standalone facility. Currently, OCWA is run under a hub format, which allows some staff members to attend other facilities that need assistance.

The Board asks the Manager if this services agreement fits in with the possible UWSS restructuring. The Manager feels that if restructuring were to take place, this O&M services contract would still work for the new entity likely only requiring a re-signing of the agreement with necessary name changes. Further it would take quite a few years for an incorporated UWSS to get everything in for taking over O&M services, if this were desired; therefore the length of this contract seems wise.

There is a brief discussion regarding the length of the new contract, but the Manager explains that ten (10) years is favourable with most facilities and this timeframe will work well with a possible capital loan infusion coming from OCWA.

The only concern is the potential hiring freeze, due to the change in government during the recent Provincial election from Liberal to Conservative, and how that could affect the contract. Business Development Manager assures members that OCWA is not affected by this hiring freeze; further staff are deemed essential and therefore there would be no stoppage of work, should a strike occur; also OCWA is initiating a succession program to allow staff members to grow and remain with OCWA.

The Board asks the Manager if legal has had a chance to review the draft agreement. The Manager notes that once a solid draft is in place it will be forwarded to legal for review.

No. UW-39-18

Moved by: Deputy Mayor Queen

Seconded by: Councillor Jacobs

That the UWSS Board receives the verbal update regarding the Evaluation of the Operations & Maintenance Services Agreement for the UWSS Facilities.

(Carried)

Report UW/21/17 dated July 19, 2018 re: Section 275 of the Municipal Act, 2001 “Lame Duck” Board.

The Manager reminds members of the Board of the election process and notes that Nomination Day is the following day. He further notes that there is a possibility of 75% of the UWSS Board not returning once the election takes place. Based on the current municipal elections candidates list for the four owner municipalities, the UWSS Manager has determined that the UWSS Joint Board of Management will likely be in a Lame Duck position.

The Manager also informs members that the first meeting following the October 22nd, 2018 election with all appointed Board members present will likely be in January 2019. He is asking the UWSS Board to delegate authority to him for the time of Nomination Day until January 2019. He further explains that there are several important projects that are currently underway, all within budget, however he would like the ability to make decisions and move forward. All updates regarding said projects will be brought forward to the board members at the monthly meetings.

No. UW-40-18

Moved by: Councillor Patterson

Seconded by: Deputy Mayor Queen

That report UW/21/18 dated July 19, 2018 re: Section 275 of the Municipal Act, 2001 “Lame Duck” is received; and

That the Union Water Supply System Joint Board of Management (UWSS Board) delegate temporary authority to the General Manager under Section 275 (6) of the Municipal Act, 2001 (the “Act”) for the purpose of restricted acts after Nomination Day (July 27, 2018) until the new UWSS Board commences on January 16, 2019.

Carried (UW/21/17)

Adjournment

No. UW-41-18

Moved by: Mayor McDermott

Seconded by: Councillor Hammond

That the meeting adjourn at 9:33 am

Carried

Date of Next Meeting: September 27, 2018

/kmj

UW/22/18

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

From: Rodney Bouchard, Union Water Manager

Date: September 21, 2018

Re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to September 21, 2018



Purpose:

To inform the UWSS Board about operational and maintenance activities and capital works projects for the Union Water Supply System since the last Board meeting on July 18, 2018

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. Essex Water Tower Rehabilitation Project Update: - The Essex water tower rehabilitation project is complete. The water tower was put back into service on August 21st, 2018 after it was properly disinfected. Substantial Completion of the project was issued by the Project Engineer on August 28th, 2018. The project was completed under budget.
3. Leamington Water Tower Warranty Inspection: - Following the completion of warranty inspection, coating repairs and installation of the new cathodic protection system at the Leamington water tower in June-July 2018, the Leamington water tower was disinfected and put back into service on August 2nd, 2018.
4. High Lift Pump #1: - As reported at the July 18, 2018 Board meeting, a vibration had been detected in High Lift Pump #1 motor, which appears to be the result of a bearing issue in the motor. The motor was removed, inspected and repaired. The pump was put back into service on July 24th, 2018.

Re: UW/22/18 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to September 21, 2018

5. Water Rate Study/ O.Reg 451 Financial Plan: - The UWSS has retained Watson & Associates to complete a Water Rate Study and 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. The Water Rate Study is needed to prepare the O.Reg. 451 Financial Plan.
6. CO2 pH Adjustment/Chlorine System Improvements Project Update: - Geotechnical inspection work for CO2 storage tank and Chlorine Building expansion has been completed. The Design Engineer has completed the 60% design package for the project. This was reviewed with UWSS and OCWA operations staff. The 90% design package is to be completed by the end of September 2018 and the project is expected to go to tender in mid-October 2018.

The UWSS has entered into a bulk supply agreement with Air Liquide for supply of liquefied CO2. Air Liquide will supply and install the CO2 storage tank and will be responsible for remote monitoring of CO2 levels in storage tank and scheduling CO2 deliveries.

7. SCADA Upgrade Project Update: - The SCADA consultant has almost completed the background information review including review of all existing Programmable Logic Controller (PLC) cabinets and related hardware. The Consultant has provided a number of submittals including Tagging Standards, Input/Output (I/O) lists, existing control panel drawings. WonderWare™ System Platform Configuration has been selected for the software platform. 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 awarded and initiated in December 2018.
8. Maintenance Shop Roof Replacement: - The contract for replacement of the Treatment Plant Maintenance Shop roof was awarded to Gillett Roofing Inc. of Ruthven. The roof replacement was done at the beginning of September 2018. This project was completed within the approved budget.
9. Low Lift Surge Tanks Inspection: - PW Maker was retained in August 2018 to complete an inspection of the interior of the surge tanks at the Low Lift Pumping Plant. The inspection report by PW Makar indicates that the surge tanks are in good condition.

Re: UW/22/18 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to September 21, 2018

10. UWSS Water Model Update: - UWSS has retained a Consultant to update the UWSS Water Model. UWSS and its consultant are using data and information provided by the municipalities for their local distribution systems to update the UWSS Area Wide water distribution system in the model and to calibrate it. The model will be made available to our municipal partners so that simulations can be made to accommodate any proposed development servicing, etc.
11. Residuals Pile Management: - UWSS has 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. It's anticipated that 1,500 tons of materials will be removed by mid October 2018.
12. MOE Inspections Update: - The Kingsville Distribution Inspection report was received on August 30th, 2018 with a 100% Inspection rating.

Comparative Flows for 2014 through 2018 in Millions of Imperial Gallons (for the period 1 January to September 20, 2018)

	2014	2015	2016	2017	2018
Flow to Date (MG)	2566.16	2447.11	2657.59	2608.96	2818.72
Max Day (MGD)	15.70	15.36	16.75	16.62	18.72
Min Day (MGD)	4.19	3.79	4.29	4.56	5.18
Average Day (MGD)	9.76	9.30	10.07	9.92	10.72
No of Days	263	263	264	263	263

Flows to date are up 209.76 MIG or 8.04% from last year. The 2018 flows to date are up 9.68% 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

Rb/kmj

Filename: t:\union wtr\reports to board\2018\uw22-18 operations report for sept 2018.docx

UW/23/18

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

From: Rodney Bouchard, Union Water Manager

Date: July 13, 2018

Re: Payments for the UWSS from June 16 to July 13, 2018



Aim:

To provide the Board with a copy of payments made by the Union Water Supply System from July 13, 2018 to September 20, 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\uw23-18 payments from july to september 2018.docx



Vendor : 0011450 To PT00000154
 Batch : All
 Department : All

Cheque Print Date : 16-Jul-2018 To 26-Jul-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				
DEPARTMENT 0700 Union Water System					
010103 ASSOCIATED ENGINEERING (ONT) LTD					
524390	PH ADJUSTMENT - JUL6				
70-5-0700-7989	002075 Operational Programs & Studies	376	11-Jul-2018	26-Jul-2018	3,115.88
060975 FVB ENERGY INC					
I006473	CHP PROJECT				
70-5-0700-7989	002075 Operational Programs & Studies	376	30-Jun-2018	26-Jul-2018	12,976.64
080250 HYDRO ONE NETWORKS INC					
200141677460	JUN/18 HYDRO - RUTHVEN WATER TREATMENT PLANT				
70-5-0700-7420	002073 Electricity	376	09-Jul-2018	26-Jul-2018	82,904.14
200141680692	JUN/18 HYDRO - LOW LIFT				
70-5-0700-7420	002073 Electricity	376	09-Jul-2018	26-Jul-2018	47,660.02
70-5-0700-7420	002073 Electricity				-4.62
200152134969	JUN/18 HYDRO - METER#17				
70-5-0700-7420	002073 Electricity	376	09-Jul-2018	26-Jul-2018	-2.35
70-5-0700-7420	002073 Electricity				33.10
200208899066	JUN/18 HYDRO - METER#16				
70-5-0700-7420	002073 Electricity	376	16-Jul-2018	26-Jul-2018	-6.94
70-5-0700-7420	002073 Electricity				98.06
230440 WILLIS LAW FIRM					
8544	RESTRUCTURING				
70-5-0700-7950	002070 Professional Services	376	30-Jun-2018	26-Jul-2018	311.27
Department Totals :					147,085.20



Vendor : 0011450 To PT00000154

Batch : All

Department : All

EFT Paid Date : 16-Jul-2018 To 26-Jul-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							
210120	UNION GAS LTD							
1929770177678	22.982M3	GAS - COTTAM BOOSTER STN			376	12-Jul-2018	26-Jul-2018	30.61
70-5-0700-7410	002073	Gas						
Department Totals :								30.61



Vendor : 0011450 To PT00000154
 Batch : All
 Department : All

Cheque Print Date : 01-Aug-2018 To 03-Aug-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				
DEPARTMENT 0700 Union Water System					
080250 HYDRO ONE NETWORKS INC					
200141681706	JUL/18 HYDRO - METER#2	396	27-Jul-2018	02-Aug-2018	
70-5-0700-7420	002073 Electricity				-2.59
70-5-0700-7420	002073 Electricity				36.59
200141683524	JUL/18 HYDRO - METER#8	396	27-Jul-2018	02-Aug-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.28
200141683726	JUL/18 HYDRO - METER#15	396	24-Jul-2018	02-Aug-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.16
200141687362	JUL/18 HYDRO - METER #22	396	27-Jul-2018	02-Aug-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.15
200141687766	JUL/18 HYDRO - METER#29	396	27-Jul-2018	02-Aug-2018	
70-5-0700-7420	002073 Electricity				-3.05
70-5-0700-7420	002073 Electricity				43.11
200141687867	JUL/18 HYDRO - METER#24	396	27-Jul-2018	02-Aug-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.14
200141690190	JUL/18 HYDRO - METER#26	396	26-Jul-2018	02-Aug-2018	
70-5-0700-7420	002073 Electricity				-3.30
70-5-0700-7420	002073 Electricity				46.72
200220161473	JUL/18 HYDRO - METER#14	396	24-Jul-2018	02-Aug-2018	
70-5-0700-7420	002073 Electricity				-2.34
70-5-0700-7420	002073 Electricity				33.08
Department Totals :					267.83



Vendor : 0011450 To PT00000154
 Batch : All
 Department : All

EFT Paid Date : 01-Aug-2018 To 03-Aug-2018
 Bank : 07 To 08
 Class : All

Vendor Code	Vendor Name	Description			Batch	Inv Date	Inv Due Date	Amount
Invoice No.		CC1	CC2	CC3				
G.L. Account	GL Account Name							
DEPARTMENT 0700	Union Water System							
030405	COLLABRIA							
MOE-APPLN	CO2 PH ADJUSTMENT - MOE LICENCE				396	22-Jun-2018	02-Aug-2018	
70-7-0700-8745	700200 Treatment Plant							800.00
ZEHRS-JUN20	CREAM, COOKIES - MEETING				396	20-Jun-2018	02-Aug-2018	
70-5-0700-7052	002070 Meeting Expenses							10.78
050195	ESSEX POWERLINES CORPORATION							
220651-JUL18	14KWH - METER#4				396	24-Jul-2018	01-Aug-2018	
70-5-0700-7420	002073 Electricity							-3.01
70-5-0700-7420	002073 Electricity							42.47
210120	UNION GAS LTD							
1929770208308	19.767M3 GAS - RUTHVEN WATER TREATMENT				396	23-Jul-2018	02-Aug-2018	
70-5-0700-7410	002073 Gas							85.02
1929770217397	2.823M3 GAS - LOW LIFT				396	25-Jul-2018	02-Aug-2018	
70-5-0700-7410	002073 Gas							24.56
Department Totals :								959.82



Vendor : 0011450 To PT00000156
Batch : All
Department : All

Cheque Print Date : 07-Aug-2018 To 10-Aug-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				

DEPARTMENT 0700 Union Water System

050003 E.L.K. ENERGY INC

40010915-JUL	816KWH - ESSEX WATER TOWER	405	01-Aug-2018	09-Aug-2018	
70-5-0700-7420	002073 Electricity				-10.56
70-5-0700-7420	002073 Electricity				149.19
40047150-JUL	52KWH - METER#9	405	01-Aug-2018	09-Aug-2018	
70-5-0700-7420	002073 Electricity				-1.92
70-5-0700-7420	002073 Electricity				27.13
51976611-JUL	1637KWH - KINGSVILLE WATER TOWER	405	01-Aug-2018	09-Aug-2018	
70-5-0700-7420	002073 Electricity				-15.47
70-5-0700-7420	002073 Electricity				218.61
90006300-JUL	25680KWH - COTTAM BOOSTER STATION	405	01-Aug-2018	09-Aug-2018	
70-5-0700-7420	002073 Electricity				4,856.43

080250 HYDRO ONE NETWORKS INC

200141680894	JUL/18 HYDRO - LEAM. WATER TOWER	405	30-Jul-2018	09-Aug-2018	
70-5-0700-7420	002073 Electricity				-43.75
70-5-0700-7420	002073 Electricity				617.95
200141682009	JUL/18 HYDRO - ALBUNA WATER TOWER	405	31-Jul-2018	09-Aug-2018	
70-5-0700-7420	002073 Electricity				-29.59
70-5-0700-7420	002073 Electricity				417.89
200141683019	JUL/18 HYDRO - METER#3	405	30-Jul-2018	09-Aug-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.19
200141683120	JUL/18 HYDRO - METER#5	405	31-Jul-2018	09-Aug-2018	
70-5-0700-7420	002073 Electricity				-2.33
70-5-0700-7420	002073 Electricity				32.81
200141683423	JUL/18 HYDRO - METER#6	405	30-Jul-2018	09-Aug-2018	
70-5-0700-7420	002073 Electricity				-2.29
70-5-0700-7420	002073 Electricity				32.36

150365 ONTARIO CLEAN WATER AGENCY

INV000104453	JAN-MAY/18 BILLING ADJUSTMENT	405	19-Jun-2018	09-Aug-2018	
70-5-0700-6720	002071 OCWA Operating Contract				-62,522.18
INV000104863	JUN/18 OPER&MTCE	405	30-Jun-2018	09-Aug-2018	
70-5-0700-6720	002071 OCWA Operating Contract				227,203.56
INV000105267	JUL/18 OPER&MTCE	405	31-Jul-2018	09-Aug-2018	
70-5-0700-6720	002071 OCWA Operating Contract				227,203.56
INV000105492	ESSEX TANK REHAB - JUL21	405	26-Jul-2018	09-Aug-2018	
70-7-0700-8705	Essex Water Tower				11,234.28

190185 SGS CANADA INC. ENVIRONMENTAL SERVICES

11171003	WATER QUALITY STUDIES CORROSION-LEAMINGTON	405	30-Jul-2018	09-Aug-2018	
70-5-0700-7989	002075 Operational Programs & Studies				196.62
11171004	WATER QUALITY STUDIES CORROSION-KINGSVILLE	405	30-Jul-2018	09-Aug-2018	
70-5-0700-7989	002075 Operational Programs & Studies				114.13
11171007	WATER QUALITY STUDIES CORROSION-LAKESHORE	405	30-Jul-2018	09-Aug-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
11171061	WATER QUALITY STUDIES CORROSION-ESSEX	405	30-Jul-2018	09-Aug-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
11171079	WATER QUALITY STUDIES CORROSION-UWSS	405	30-Jul-2018	09-Aug-2018	
70-5-0700-7989	002075 Operational Programs & Studies				1,815.91

190751 SUMMA ENGINEERING LIMITED

PC#1 114131	SCADA UPGRADES	405	10-Jul-2018	09-Aug-2018	
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Vendor : 0011450 To PT00000156

Batch : All

Department : All

Cheque Print Date : 07-Aug-2018 To 10-Aug-2018

Bank : 07 To 08

Class : All

Vendor Invoice	Vendor Name Description			Batch Invc Date	Invc Due Date	Amount
G.L. Account	CC1	CC2	CC3	GL Account Name		
DEPARTMENT 0700				Union Water System		
70-7-0700-8780				SCADA System		26,464.94
Department Totals :						438,183.81



Vendor : 0011450 To PT00000151
 Batch : All
 Department : All

EFT Paid Date : 30-Aug-2018 To 31-Aug-2018
 Bank : 07 To 08
 Class : All

Vendor Code	Vendor Name	Description			Batch	Inv Date	Inv Due Date	Amount
Invoice No.		CC1	CC2	CC3				
G.L. Account				GL Account Name				
DEPARTMENT 0700				Union Water System				
030405	COLLABRIA							
AMCTO-46700	MAFP UNIT 1				452	07-Aug-2018	30-Aug-2018	
70-5-0700-7040		002070		Training				401.15
CDN DOMAIN-4 YEARLY WEBSITE DOMAIN					452	13-Aug-2018	30-Aug-2018	
70-5-0700-7950		002070		Professional Services				23.72
FRESHCO-9175 CREAM, ETC - MEETING SUPPLIES					452	17-Jul-2018	30-Aug-2018	
70-5-0700-7052		002070		Meeting Expenses				12.28
HOLIDAY INN-J ROOM - MTG W/G.SCANDLAN - FIN. PLAN.					452	24-Jul-2018	30-Aug-2018	
70-5-0700-7052		002070		Meeting Expenses				152.54
ROMA CLUB-84 LUNCH - TEAM MEETING					452	18-Jul-2018	30-Aug-2018	
70-5-0700-7052		002070		Meeting Expenses				131.08
STAPLES-02021 WALL/DOCUMENT FRAME					452	20-Jul-2018	30-Aug-2018	
70-5-0700-7010		002070		Office Supplies				17.83
TIM HORTONS- TIMBITS - MEETING SUPPLIES					452	26-Jul-2018	30-Aug-2018	
70-5-0700-7052		002070		Meeting Expenses				8.99
ZEHRS-779700 COFFEE CUPS					452	18-Jul-2018	30-Aug-2018	
70-5-0700-7052		002070		Meeting Expenses				5.07
Department Totals :								752.66



Vendor : 0011450 To PT00000157

Batch : All

Department : All

Manual Paid Date : 04-Sep-2018 To 07-Sep-2018

Bank : 07 To 08

Class : All

Vendor	Vendor Name				Batch Invc Date	Invc Due Date	Amount
Invoice No.	Description	CC1	CC2	CC3	GL Account Name		
G.L. Account							
DEPARTMENT 0500	Finance and Business Services						
090053	INNOVYZE						
USIN012534	2018 EXEC. SUITE					471 29-Mar-2018	06-Sep-2018
10-5-0500-7833	002030				Foreign Exchange Gain/Loss		-1,540.63
Department Total :							-1,540.63



Vendor : 0011450 To PT00000157

Batch : All

Department : All

Manual Paid Date : 04-Sep-2018 To 07-Sep-2018

Bank : 07 To 08

Class : All

Vendor	Vendor Name				Batch Invc Date	Invc Due Date	Amount
Invoice No.	Description	CC1	CC2	CC3	GL Account Name		
G.L. Account							
DEPARTMENT 0700	Union Water System						
090053	INNOVYZE						
USIN012534	2018 EXEC. SUITE					471 29-Mar-2018 06-Sep-2018	
70-5-0700-7260	002070 002131				Software Licensing & Support		7,703.13
Department Total :							7,703.13

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Vendor Invoice	Vendor Name Description	Batch	Inv Date	Inv Due Date	Amount
G.L. Account	CC1 CC2 CC3 GL Account Name				
DEPARTMENT 0700 Union Water System					
010103 ASSOCIATED ENGINEERING (ONT) LTD					
524544	SCADA UPGRADES - AUG10	460	20-Aug-2018	06-Sep-2018	
70-7-0700-8780	SCADA System				4,751.88
524548	FLOOR COVERS - MICROSTRAINER ROOM	460	20-Aug-2018	06-Sep-2018	
70-7-0700-8745	700130 Treatment Plant				3,266.27
524549	PH ADJUSTMENT SYSTEM - AUG10	460	20-Aug-2018	06-Sep-2018	
70-5-0700-7989	002075 Operational Programs & Studies				35,922.82
050003 E.L.K. ENERGY INC					
40010915-AUG	933KWH - ESSEX WATER TOWER	460	01-Sep-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-9.08
70-5-0700-7420	002073 Electricity				128.18
40047150-AUG	51KWH - METER#9	460	01-Sep-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-1.75
70-5-0700-7420	002073 Electricity				24.78
51976611-AUG	1576KWH - KINGSVILLE WATER TOWER	460	01-Sep-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-14.93
70-5-0700-7420	002073 Electricity				210.98
90006300-AUG	24240KWH - COTTAM BOOSTER STATION	460	01-Sep-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				3,381.45
050070 ELECTRICAL WHOLESALE SUPPLY					
1240676	LIGHTING UPGRADES	460	01-Aug-2018	06-Sep-2018	
70-7-0700-8745	700020 Treatment Plant				3,299.10
1240927	LIGHTING UPGRADES	460	03-Aug-2018	06-Sep-2018	
70-7-0700-8745	700020 Treatment Plant				2,709.74
1240966	LIGHTING UPGRADES	460	03-Aug-2018	06-Sep-2018	
70-7-0700-8745	700020 Treatment Plant				1,527.76
1240997	LIGHTING UPGRADES	460	03-Aug-2018	06-Sep-2018	
70-7-0700-8745	700020 Treatment Plant				90.40
1241104	LIGHTING UPGRADES	460	07-Aug-2018	06-Sep-2018	
70-7-0700-8745	700020 Treatment Plant				32.77
1241130	LIGHTING UPGRADES	460	07-Aug-2018	06-Sep-2018	
70-7-0700-8745	700020 Treatment Plant				257.64
1242937	LIGHTING UPGRADES	460	24-Aug-2018	06-Sep-2018	
70-7-0700-8745	700020 Treatment Plant				1,944.73
060975 FVB ENERGY INC					
I006553	CHP PROJECT	460	31-Jul-2018	06-Sep-2018	
70-5-0700-7989	002075 Operational Programs & Studies				1,709.13
080025 HACH SALES & SERVICE CANADA LP					
174729	BACKWASH PROBE	460	23-Aug-2018	06-Sep-2018	
70-7-0700-8795	Water Quality/Level Instrumentation				1,143.56
080250 HYDRO ONE NETWORKS INC					
200141680894	AUG/18 HYDRO - LEAMINGTON WATER TOWER	460	29-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-32.29
70-5-0700-7420	002073 Electricity				456.17
200141681706	AUG/18 HYDRO - METER#2	460	27-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.47
70-5-0700-7420	002073 Electricity				34.90
200141683019	AUG/18 HYDRO - METER#3	460	29-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.28

MUNICIPALITY OF LEAMINGTON
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Vendor : 0011450 To PT00000157
 Batch : All
 Department : All

Cheque Print Date : 04-Sep-2018 To 07-Sep-2018
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 Class : All

Vendor Invoice	Vendor Name Description	Batch	Inv Date	Inv Due Date	Amount
G.L. Account	CC1 CC2 CC3 GL Account Name				
DEPARTMENT 0700 Union Water System					
70-5-0700-7420	002073 Electricity				32.16
200141683423	AUG/18 HDYRO - METER#6	460	29-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.26
200141683524	AUG/18 HYDRO - METER#8	460	27-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.18
200141683726	AUG/18 HYDRO - METER#15	460	24-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.14
200141687362	AUG/18 HYDRO - METER#22	460	27-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.15
200141687766	AUG/18 HYDRO - METER#29	460	27-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.66
70-5-0700-7420	002073 Electricity				37.48
200141687867	AUG/18 HYDRO - METER#24	460	27-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.14
200141690190	AUG/18 HYDRO - METER#26	460	24-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.95
70-5-0700-7420	002073 Electricity				41.72
200220161473	AUG/18 HYDRO - METER#14	460	23-Aug-2018	06-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.38
70-5-0700-7420	002073 Electricity				33.69
100048 JACQUES DAoust COATINGS MANAGEMENT INC					
PC#7 15-0026	PMT#7 LEAMINGTON WATER TOWERR	460	16-Aug-2018	06-Sep-2018	
70-7-0700-8715	Leamington Water Tower				4,068.00
130838 MUNICIPALITY OF LEAMINGTON					
530-17700	SEF TAXES - LEAMINGTON WATER TOWER	460	04-Sep-2018	06-Sep-2018	
70-5-0700-6750	002072 Property Tax				896.00
150365 ONTARIO CLEAN WATER AGENCY					
INV000105796	MGMT FEES - ESSEX TANK REHABILITATION	460	21-Aug-2018	06-Sep-2018	
70-7-0700-8705	Essex Water Tower				15,432.98
990644 PRO-BID CONTRACTORS LTD					
1888	METER CHAMBER RD 2 EAST - JUN25	460	29-Jun-2018	06-Sep-2018	
70-7-0700-8750	002202 Watermains				7,922.43
1889	REP. VALVE - COTTAM WATERMAIN BREAK-JUL10	460	20-Jun-2018	06-Sep-2018	
70-7-0700-8750	002202 Watermains				10,189.21
190185 SGS CANADA INC. ENVIRONMENTAL SERVICES					
11179005	WATER QUALITY STUDIES CORROSION-LAKESHORE	460	30-Aug-2018	06-Sep-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
11179042	WATER QUALITY STUDIES CORROSION-ESSEX	460	30-Aug-2018	06-Sep-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
11179138	WATER QUALITY STUDIES CORROSION-UWSS	460	30-Aug-2018	06-Sep-2018	
70-5-0700-7989	002075 Operational Programs & Studies				2,423.85
11179157	WATER QUALITY STUDIES CORROSION-KINGSVILLE	460	30-Aug-2018	06-Sep-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
11179159	WATER QUALITY STUDIES CORROSION-LAKESHORE	460	30-Aug-2018	06-Sep-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31

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Vendor : 0011450 To PT00000157
 Batch : All
 Department : All

Cheque Print Date : 04-Sep-2018 To 07-Sep-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				
DEPARTMENT 0700 Union Water System					
1179176	WATER QUALITY STUDIES CORROSION-LEAMINGTON	460	30-Aug-2018	06-Sep-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
190755 SUN LIFE ASSURANCE COMPANY OF CANADA					
SEP-18	SEP/18 UNION WATER LOAN 3724:1	460	04-Sep-2018	06-Sep-2018	
70-5-0700-6000	002020 006901 Debenture Principal				139,212.78
70-5-0700-6100	002010 006901 Debenture Interest				115,265.69
Department Totals :					357,018.48



Vendor : 0011450 To PT00000157

Batch : All

Department : All

EFT Paid Date : 04-Sep-2018 To 07-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							
050195	ESSEX POWERLINES CORPORATION								
220651-AUG18	15KWH - METER#4				460	22-Aug-2018	07-Sep-2018		
70-5-0700-7420		002073		Electricity				-2.97	
70-5-0700-7420		002073		Electricity				41.97	
210120	UNION GAS LTD								
1929770208308	2.823M3 GAS - WATER TREATMENT PLANT				460	23-Aug-2018	07-Sep-2018		
70-5-0700-7410		002073		Gas				79.93	
1929770217397	0.0M3 GAS - LOW LIFT				460	27-Aug-2018	07-Sep-2018		
70-5-0700-7410		002073		Gas				23.73	
Department Totals :								142.66	

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Vendor : 0011450 To PT00000157
 Batch : All
 Department : All

Cheque Print Date : 13-Sep-2018 To 13-Sep-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				
DEPARTMENT 0700 Union Water System					
080250 HYDRO ONE NETWORKS INC					
200141677460	AUG/18 HYDRO - RUTHVEN WATER TREATMENT	484	07-Sep-2018	13-Sep-2018	
70-5-0700-7420	002073 Electricity				81,214.72
200141680692	AUG/18 HYDRO - LOW LIFT	484	07-Sep-2018	13-Sep-2018	
70-5-0700-7420	002073 Electricity				-4.40
70-5-0700-7420	002073 Electricity				44,107.00
200141682009	AUG/18 HDYRO - ALBUNA WATER TOWER	484	30-Aug-2018	13-Sep-2018	
70-5-0700-7420	002073 Electricity				-24.29
70-5-0700-7420	002073 Electricity				343.06
200141683120	AUG/18 HYDRO - METER#5	484	30-Aug-2018	13-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.29
70-5-0700-7420	002073 Electricity				32.48
200152134969	AUG/18 HYDRO - METER#17	484	07-Sep-2018	13-Sep-2018	
70-5-0700-7420	002073 Electricity				-2.28
70-5-0700-7420	002073 Electricity				32.28
100048 JACQUES DAoust COATINGS MANAGEMENT INC					
PC#6 17-028	PMT#6 ESSEX WATER TOWER REHABILITATION	484	10-Sep-2018	13-Sep-2018	
70-7-0700-8715	Leamington Water Tower				1,218.64
70-7-0700-8715	Leamington Water Tower				141.70
70-7-0700-8715	Leamington Water Tower				56.69
150365 ONTARIO CLEAN WATER AGENCY					
INV000105789	AUG/18 OPER & MTCE	484	31-Aug-2018	13-Sep-2018	
70-5-0700-6720	002071 OCWA Operating Contract				227,203.56
160530 PRICEWATERHOUSE COOPERS LLP					
TR138175719	RESTRUCTURING CONSULTANT-FINANCIAL	484	06-Sep-2018	13-Sep-2018	
70-5-0700-7950	002070 Professional Services				6,537.62
180325 RICOH CANADA INC					
SCO92092233	JUL18-AUG30 COPIER CONTRACT	484	31-Aug-2018	13-Sep-2018	
70-5-0700-7010	002070 Office Supplies				80.66
190635 STANTEC CONSULTING LTD					
1303994	UPGRADE OF UWSS MAP	484	23-Aug-2018	13-Sep-2018	
70-5-0700-7989	002075 Operational Programs & Studies				2,295.27
Department Totals :					363,230.42