



JOINT BOARD OF MANAGEMENT

Wednesday, May 15, 2019
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, April 24, 2019
Pages 2 - 6

D. Business Arising Out of the Minutes

E. Items for Consideration:

1. UW/15/19 dated May 10, 2019 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to May 10, 2019
Pages 7 - 8
2. UW/16/19 dated May 10, 2019 re: Proposed New Operations and Maintenance Agreement between Union Water Supply System and Ontario Clean Water Agency
Pages 9 - 15
3. UW/17/19 dated May 10, 2019 re: Payments from April 18 to May 10, 2019
Pages 16 - 18

F. New Business:

G. Adjournment:

H. Date of Next Meeting: June 19, 2019, 9:00 am, Kingsville Community Room, 1741 Jasperson Road, Kingsville Arena



JOINT BOARD OF MANAGEMENT

Wednesday, April 24, 2019
9:00 AM

Kingsville Community Room
Kingsville Arena
1741 Jasperson Road, Kingsville

MINUTES

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

Members Absent: Councillors Dunn, Wilkinson - Leamington
Councillor Walstedt - Lakeshore

Staff Present: Shaun Martinho - Kingsville
Laura Rauch, Shannon Belleau - Leamington

Auditor Ashley Meyer, CPA, CA, LPA, BComm - Hicks, MacPherson, latonna and Driedger, LLP

OCWA Staff Present: Susan Budden, Dave Jubenville
Dale Dillen, Ken Penney

Call to Order: 9:00 am

Disclosures of Pecuniary Interest: none

Adoption of Council Minutes:

No. UW-17-19

Moved by: Deputy Mayor Queen

Seconded by: Councillor Hammond

That Minutes of the UWSS Joint Board of Management meeting of February 27, 2019 be received.

Carried

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Business Arising Out of the Minutes:

There was none.

Report UW/11/19 dated April 18, 2019 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to April 18, 2019

The Manager provides updates to the members of the Board. He confirms that the annual inspection by the MECP started on January 8th and has been completed. He confirms that the report was issued on March 27, 2019 and the UWSS received a 100% rating. He will be discussing further on a separate report later in the meeting.

As mentioned previously there was a vibration in HL pump #4. The pump was removed from service and Nevro made necessary repairs and has been installed. It was put back into service on April 22, 2019.

The CBS soil cover rehabilitation project has been started. The weather has not been favourable to complete the project. As a reminder the manager notes that drainage at the CBS location has been an issue. He feels that the project should still be completed by the end of May.

The new clamp on meters for Clarifiers #1, #2 and #3 raw water lines have been installed. These meters are to replace the pressure differential flow meters. All meters are now fully operational and provide staff with more room to maneuver around.

The Manager confirms that the SCADA system upgrade project is well underway. A meeting was held on April 3rd with Associated Engineering and work is being done to create the process narratives. The Manager explains that these process narratives are the UWSS's entire process from the lake all the way up to distribution. He confirms that UWSS is working very closely with OCWA, who operates the system, and the engineering team. A second workshop will be starting immediately after this meeting and a third workshop will take place May 3rd.

The Manager provides updates on the CO₂ pH Adjustment/Chlorine project, noting that the temporary gas chlorination system occurred on April 15th. This system will be in place until the system is upgraded, but this is expected to happen prior to the high flows of the summer.

The Manager explains that the upside down valve chamber beside reservoir #1 has been repaired. He further explains that JDCMI completed the work, as it involved confined space and difficult areas to work on. The area looks great and the repairs have allowed this chamber to last a lot longer. He also notes that the project came in under budget.

The Manager reminds members of the board that the temporary switch to free chlorine is scheduled to end June 4, 2019. However, after meeting with the municipalities and discussing the data it has been suggested that the switch remain in effect until December 4, 2019. This will allow time for a third party consultant to examine the data and provide an opinion on the direction this matter should take. The Manager also confirms that the MECP has provided authorization to continue the switch until December 4, 2019.

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A level transmitter is being installed on CBS SCADA system in tandem with the free chlorine. This will allow chlorine to be pushed north in the system. Finally, energy conservation monitoring at the LL is going well and therefore the same system is being installed at the HL. This will allow operators to see time of use for specific pumps in the system and allow data for future solar use.

The Manager updates members on the flows to date. He indicates that the flows are up and even up over the last four year average. The Board is concerned about the plant capacity. The Manager explains that currently the plant operates at peak flows of the summer at approximately 60%, and in the winter much less. A trigger point would be 85% capacity at peak flows regularly occurring.

No. UW-18-19

Moved by: Deputy Mayor Verbeke

Seconded by: Councillor Neufeld

That report UW/11/19 dated April 18, 2019 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to April 24, 2019 is received.

Carried (UW/11/19)

Report UW/12/19 dated April 9, 2019 re: UWSS 2018 Financial Report

The Director of Finance and Business Services, Laura Rauch, for the Municipality of Leamington is in attendance to present her report. Also in attendance is the auditor, Ashley Meyer, with the auditing firm HMID.

Ms. Rauch reviews her report with the UWSS board members, explaining that the report is prepared to PSAB specifications annually. The main areas touched upon are the Statement of Financial Position and the Statement of Financial Activities.

She reviews each section within explaining the UWSS assets, liabilities, non financial assets, capital purchases, billings, investments, etc. She further confirms that HMID has audited the documents and believes them to be a fair representation of the UWSS's Financial Position. She also indicates that UWSS is in a good financial position and recommends to the board that the Financial Report is approved.

No. UW-19-19

Moved by: Councillor Jacobs

Seconded by: Councillor DeYong

That the report UW/12/19 dated April 9, 2019 re: UWSS 2018 Financial Report is received.

Carried (UW/12/19)

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Report UW/13/19 dated April 18, 2019 re: MECP Inspection Report

The Manager reminds members that the UWSS started its inspection in January of 2019 and that this year was a detailed inspection. He notes that this is the first time since 2012 that the UWSS received a 100% rating on the inspection.

The Manager then commended OCWA staff, specifically PCT Ken Penney, for all of their hard work over the last year to achieve the high rating. He notes that the past year saw a lot of projects taking place within the UWSS facilities and OCWA staff ensured that all paperwork was filed with the MECP in a timely manner.

The Manager directs UWSS Board members to some best practise suggestions within the report. Specifically, the valve turning program should be reinstated. There were several others suggestions found on pages 19 & 20 of the report. There was some questions regarding the lead sampling and valve turning. The Manager asks the Administrative Assistant to speak to these items. She notes that the UWSS area would have no lead distribution service lines and very few residential lines that she is aware of. Currently, the UWSS is in the process of mapping all of the valves within the system, but generally work in conjunction with all four municipalities to ensure that all valves are GPS marked.

No. UW-20-19

Moved by: Mayor Bain

Seconded by: Councillor VanderDoelen

That the UWSS receives report UW/13/19 dated April 18, 2019 re: MECP Drinking Water Inspection Report for the UWSS - January 8, 2019.

Carried (UW/13/19)

Report UW/14/19 dated April 18, 2019 re: Payments from February 22 to April 18, 2019

No. UW-21-19

Moved by: Councillor Patterson

Seconded by: Councillor Neufeld

That report UW/14/19 dated April 18, 2019 re: Payments from February 22 to April 18, 2019 is received.

Carried (UW/14/19)

New Business:

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The Manager notes that he is still in negotiations with members of OCWA regarding the new contract. He feels that all areas should be addressed and he should be presenting a report to the UWSS Board in May.

He also provides a small update on restructuring. He notes that he has been working with the financial/legal consultants and all material has been forwarded to the member municipalities for review.

He also notes that he will try and set up a tour of the Ruthven WTP for those members interested next month.

Adjournment:

Moved by: Councillor Jacobs

Seconded by: Councillor DeYong

That the meeting adjourn at 9:33 am

Carried

Date of Next Meeting: May 15, 2019 at 9:00 am at the Ruthven Water Treatment Plant

/kmj

UW/15/19

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

From: Rodney Bouchard, Union Water Manager

Date: May 10, 2019

Re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to May 10, 2019



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. Cottam Booster Reservoirs soil cover project has started but has again been delayed due to wet weather. The installed drainage tiles appear to be effectively draining the existing soil cover after the rain events. The proposed soil cover additions and regrading will be completed when the existing cover is adequately dry.
3. SCADA Upgrade Project Update: A workshop was held on April 24th, 2019 at the Ruthven Water Treatment Plant between UWSS, OCWA and the engineer (Associated Engineers) to review and update the Process Narrative for the Low Lift Pumping Plant and Water Treatment Plant. This was the 2nd in a series of 3 workshops that are being held for this purpose. The next workshop is scheduled for May 22nd.
4. CO₂ pH Adjustment/ Chlorine System Improvements Project Update - The contractor, Maple Reinders, has been on site since April 22nd, 2019. The old chlorine header and old scales have been removed from the chlorine building so that the wall can be removed. The majority of the microstrainer #2 has been removed to make way for the placement of CO₂ dissolution and control skids.
5. Half of the high lift header will be shut down on Saturday May 11th to remove old pump HL#7 that is no longer in use. The isolation valves for this pump are leaking so the removal requires the shutdown of that part of the header.

Re: UW/15/19 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to May 10, 2018

6. High lift pump #4 is back in service and running well with no issues.
7. All Billing meters were verified for accuracy by an external contractor on May 7th, 2019.
8. VC9 control valve replacement is scheduled for May 21st to 24th. OCWA will coordinate with the municipalities of Essex and Kingsville to notify customers of the service disruption.
9. High Lift Pump #8 is currently out of service due to a soft start failure. One has been ordered and staff will install once it arrives.

Comparative Flows for 2015 through 2019 in Millions of Imperial Gallons (for the period 1 January to May 9, 2019)

	2015	2016	2017	2018	2019
Flow to Date (MG)	937.37	916.72	943.91	1021.03	1033.18
Max Day (MGD)	12.28	11.45	12.02	12.98	12.12
Min Day (MGD)	3.79	4.29	4.56	5.18	4.43
Average Day (MGD)	7.27	7.05	7.32	7.91	8.01
No of Days	129	130	129	129	129

Flows to date are up 12.15 MIG or 1.19% from last year. The 2019 flows to date are up 8.21% over the previous 4 year average.

Recommendation:

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

Respectfully submitted,



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

Filename: t:\union wtr\reports to board\2019\uw15-19 operations report for may 2019.docx

UW/16/19

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

FROM: Rodney Bouchard, Union Water Manager

DATE: May 10, 2019

RE: Proposed New Operations and Maintenance Agreement between Union Water Supply System and Ontario Clean Water Agency



RECOMMENDATION

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

And further, that the Union Water Supply System Joint Board of Management (Board) award the Fixed Management Fee contract for Management, Operations and Maintenance of the Union Water Supply System (UWSS) to the Ontario Clean Water Agency (OCWA) for a period of five (5) years, subject to the Board's right to extend for a further five (5) year period, in the amount of \$3,260,545 (including an Operations estimate of \$2,863,500 and Fixed Fee of \$397,045) for the first year, retroactive to January 1, 2019;

And further, that UWSS General Manager reports back to the Board when the full Operations & Maintenance Agreement between UWSS and OCWA has been drafted;

REPORT HIGHLIGHTS

- The Union Water Supply System (UWSS) is currently in the fifth month of a 1-year extension to the Management, Operations and Maintenance Agreement with the Ontario Clean Water Agency (OCWA) for UWSS facilities.
- Results of this internal operations contract review revealed that the current level of service being provided by OCWA for UWSS facilities is very high.
- Results of the internal review indicate that a new contract with OCWA would provide the UWSS with the best overall value for future delivery of wholesale water to local municipal partners.
- A Fixed Management Fee Contract for 5 years (with ability to renew for an additional 5 years) has been negotiated with OCWA
- The new agreement will provide for better protection of assets through enhanced maintenance and asset management.
- The new agreement will provide for enhanced contract administration and performance monitoring, including annual performance reporting.
- The new agreement will ensure continued protection of public health through the supply of clean safe drinking water while protecting the environment.

May 10, 2019 - UW/16/19

Re: Proposed New Operations and Maintenance Agreement between Union Water Supply System and Ontario Clean Water Agency

BACKGROUND

The UWSS Board (Board) retains OCWA to operate the UWSS water treatment plant and the other parts of the common system. The existing operating agreement between UWSS and OCWA is a Fixed Price agreement that took effect on January 1, 2014 for a period of 5-years ending December 31, 2018.

As part of the approved 2018 UWSS Budget, the UWSS was to review available options for Operations and Maintenance of UWSS facilities and provide a recommendation to the UWSS Board on the best O&M approach to be implemented by January 1, 2019 if possible.

As part of this informal review, the General Manager consulted with water management staff at a number of municipalities/water utilities in Ontario in regards to drinking water system operations. These included but are not limited to the following:

- Municipalities that operate water systems with their own staff under a Water Department;
- Municipally owned water utilities that have their own staff and/or share staff and/or administrative activities with Municipally owned electric utility;
- Municipalities and Municipal Joint Boards that contract water operations to OCWA
- Municipalities that currently contract or have previously contracted water operations to private corporations.

As part of the review, the General Manager also identified private or for-profit municipally owned corporations that provide contracted operations and maintenance services for drinking water systems. These include the following corporations that are known to operate and provide such services in Canada:

- Veolia Water Canada
- CH2M Hill Canada (Jacobs)
- Epcor Utilities Inc.
- Corix Utilities

The UWSS General Manager has been in contact with a number of the above-referenced private or for profit corporations to ascertain a general idea of how operations would be undertaken or are typically undertaken in such contracting arrangements.

Four (4) viable O&M contracting options were identified during the operations contracting review process. The options identified were:

May 10, 2019 - UW/16/19

Re: Proposed New Operations and Maintenance Agreement between Union Water Supply System and Ontario Clean Water Agency

1. New OCWA Contract
2. Extend Current OCWA Contract
3. Bring Operations In-House
4. Issue a Request for Proposal (RFP) for O&M Services

The General Manager used the following criteria to evaluate the four O&M Contracting Options identified above:

- Quality of Service
- Cost of Service
- Asset Protection
- Continuity of Services
- Control over UWSS facilities
- Risks to UWSS
- Capital Projects
- Innovation
- Transition Impact

The results of the UWSS General Manager's informal evaluation of UWSS system O&M options indicated that a direct negotiation with OCWA for a new agreement with the option for an extension was the option that provided the best overall value to UWSS. It should be noted that the information used for comparison of options was derived from input provided by municipal and water industry colleagues that have gone through such evaluations in the recent past.

The results of the UWSS General Manager's informal evaluation and recommendation for a direct negotiation with OCWA for a new agreement was reported to the UWSS Board at the July 27, 2018 UWSS Board meeting. The UWSS Board authorized the UWSS General Manager to negotiate an agreement with OCWA for O&M services.

DISCUSSION

Discussions and meetings as part of negotiations of a new O&M agreement were in 2018 and 2019 between the UWSS General Manager and OCWA's Vice-President of Operations and Business Development Manager for Essex Region office.

It should be noted that the existing O&M agreement is a "Fixed Price" agreement with a duration of 5 year ending on December 31, 2018. However, it was noted that negotiations of the new O&M contract were not going to be completed by December 31, 2018 attributed in some respects to the October 2018 provincial election and subsequent change in government. As such, the existing O&M agreement between OCWA and UWSS was extended to December 31, 2019 to allow for additional time for negotiations.

OCWA issued a letter to the UWSS General Manager on May 8, 2019 that presented two options for O&M contracting that best represented the results of the most recent negotiations between the UWSS General Manager and OCWA. These O&M agreement options are as follows:

May 10, 2019 - UW/16/19

Re: Proposed New Operations and Maintenance Agreement between Union Water Supply System and Ontario Clean Water Agency

Option 1 - Fixed Price - 2019 Fee: \$3,262,550

This option is similar to existing O&M agreement. Annual operations and maintenance amount is divided in 12 equal payments. Adjusted annually for inflation increases by the Consumer Price Index.

Option 2 - Fixed Management Fee - 2019 Fee: \$3,260,585 (estimate)

The annual fee for this option is based on an operations estimate of \$2,863,500 and Fixed Fee of \$397,045. Annual amounts for operational expenditures can change based on need. All budget items except for the Fixed Fee are reconcilable (direct pass through to UWSS) at the end of the year based on actual expenditures. The Fixed Fee portion is adjusted annually for inflation increases by the Consumer Price Index.

It should be noted that both of the above O&M options are based on a 5 plus 5-year renewal terms. Each option also includes the following:

- Capital Allowance of \$150,000 - This allowance is tracked quarterly and reconciled at the end of the year. Approval by UWSS General Manager is needed for any capital expenditure exceeding \$5,000.
- Chemicals Allowance of \$377,000 - This allowance is tracked quarterly and reconciled at the end of the year.
- Modifications to OCWA Staffing: Includes the following additions to existing staff:
 - Manager of Compliance & Distribution (new position)
 - AMAPCEO Team Lead Position (new position)
 - Maintenance Mechanic 2 - Distribution (new position)
 - Change from Agricultural Worker to MM2 (position change)
 - Change from UPIT to SCADA Integrator (position change)
 - Change from Maintenance Forman to OPS Team Lead (position change)

It was deemed by the UWSS Manager that a Fixed Management Fee agreement would allow for better pricing, budgeting and transparency than a Fixed Price agreement.

CONCLUSION

OCWA has provided the UWSS with high quality and cost effective O&M services since creation of the UWSS Joint Board of Management in 2001. It is the UWSS Manager's opinion that the new proposed 5 plus 5-year renewal term Fixed Management Fee agreement with OCWA provides the best overall value to the UWSS for O&M services at the UWSS facilities.

May 10, 2019 - UW/16/19

Re: Proposed New Operations and Maintenance Agreement between Union Water Supply
System and Ontario Clean Water Agency

Respectfully submitted,



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

rb/kmj

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May 8, 2019

Mr. Rodney Bouchard, General Manager
 Union Water Supply System
 1615 Union Ave.
 Ruthven, Ontario
 N0P 2G0

RE: Renewal of Operating Agreement between OCWA and the UWSS Joint Board of Management

Dear Rodney,

As follow up to our recent meeting regarding the renewal of the operations and maintenance contract between the UWSS Joint Board of Management and OCWA, we are pleased to provide you with the following options for a 5 plus 5 year renewal term for your consideration.

Option 1 - Fixed Price

As you are aware, OCWA currently operates under this option whereby the annual operations and maintenance amount is evenly divided into twelve monthly payments. Aside from the allowances for capital and chemical (please see below), the amount remains somewhat constant from year to year. It provides a consistent approach for budgeting and any risk related to increased pricing for labour, materials, supplies and services are borne by OCWA. This amount is adjusted annually to account for inflationary increases by the Consumer Price Index (CPI).

Total Annual 2019: \$3,262,550.

Option 2 - Fixed Management Fee

Under the "fixed management fee" methodology, an estimate for the operational costs including salary and benefits, services, supplies and equipment, vehicle, insurance, and data communication is provided. These cost categories are tracked and reported quarterly against the annual estimated budgeted amount and reconciled at year end, resulting in a credit or debit back to the Board. The financial risks are managed by OCWA but ultimately borne by the Board. The fixed fee for OCWA's support services include departments such as Compliance, Information Technology (including cyber security), Human Resources, Finance, Legal and Risk Management, in addition to systems such as the Maximo Work Management System (WMS) which stores all asset data, and Process Data Collection which houses all compliance data. Being in a regulated environment, these supports are necessary to ensure effective and efficient local delivery of services, compliance to legislation in addition to risk management. The fee is adjusted annually to account for inflationary increases by the Consumer Price Index (CPI).

Operations Estimate: \$2,863,500

Fixed Fee: \$397,045

Total Annual 2019: \$3,260,545

Please note that both options include the following allowances which are tracked quarterly and reconciled at year end;

Capital: \$150,000.

Chemicals: \$377,000.

Rodney, we would like to thank you for giving us this opportunity to provide the Board with options for consideration. We look forward to renewing our partnership with the Union Water Supply System Joint Board of Management. Please feel free to contact me should you have any questions or comments regarding this.

Sincerely,

A handwritten signature in blue ink that reads "SBudden".

Susan Budden, Business Development Manager, OCWA

Copy: Dale Dillen, Senior Operations Manager, OCWA
Dave Jubenville, Regional Hub Manager, OCWA
Terry Bender, VP Operations, OCWA

UW/17/19

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

From: Rodney Bouchard, Union Water Manager

Date: May 10, 2019

Re: Payments for the UWSS from April 20th to May 10th, 2019



Aim:

To provide the Board with a copy of payments made by the Union Water Supply System from April 20th to May 10th, 2019.

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\2019\uw17-19 payments from april to may 2019.docx



Vendor : 0011450 To PT00000167
 Batch : All
 Department : All

Cheque Print Date : 02-May-2019 To 02-May-2019
 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 0700 Union Water System									
030004 C3 WATER INC									
201903-288	WATER MODELING UPDATES					215 31-Mar-2019	02-May-2019		
70-5-0700-7989	002075			Operational Programs & Studies				1,750.09	
190635 STANTEC CONSULTING LTD									
1376003	CBS - RESERVOIR GRADING					215 24-Apr-2019	02-May-2019		
70-7-0700-8725	700030			Cottam Booster Station				3,378.07	
190751 SUMMA ENGINEERING LIMITED									
PC#4 114487	PMT#4 SCADA UPGRADES					215 11-Apr-2019	02-May-2019		
70-7-0700-8780				SCADA System				66,635.99	
Department Totals :									71,764.15



Vendor : 0011450 To PT00000167
 Batch : All
 Department : All

EFT Paid Date : 02-May-2019 To 02-May-2019
 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								
252208	ROOM - R.BOUCHARD - MTG WITH OCWA				223	04-Jan-2019	02-May-2019		
70-5-0700-7052	002070			Meeting Expenses				128.10	
269132	LUNCH - OCWA OPERATIONS MANAGER				223	09-Apr-2019	02-May-2019		
70-5-0700-7052	002070			Meeting Expenses				34.20	
415934604	DONUTS, MUFFINS - MEETING APR9				223	09-Apr-2019	02-May-2019		
70-5-0700-7052	002070			Meeting Expenses				24.98	
622240	ROOM - R.BOUCHARD - DWRG CONF.				223	11-Apr-2019	02-May-2019		
70-5-0700-7050	002070			Conferences				222.31	
	SUBWAY CARD PRESTO CARD FOR TORONTO SUBWAY				223	10-Apr-2019	02-May-2019		
70-5-0700-7050	002070			Conferences				21.00	
	TAZA GRILL-AP DINNER - R.BOUCHARD - DWRG CONF.				223	10-Apr-2019	02-May-2019		
70-5-0700-7050	002070			Conferences				29.83	
050195	ESSEX POWERLINES CORPORATION								
220651-APR19	34KWH - METER#4				216	23-Apr-2019	02-May-2019		
70-5-0700-7420	002073			Electricity				-3.34	
70-5-0700-7420	002073			Electricity				47.23	
080250	HYDRO ONE NETWORKS INC								
200141683726-	MAR/19 HYDRO - METER#15				216	25-Apr-2019	02-May-2019		
70-5-0700-7420	002073			Electricity				-2.56	
70-5-0700-7420	002073			Electricity				36.17	
200208899066-	APR/19 HYDRO - METER#16				216	12-Apr-2019	02-May-2019		
70-5-0700-7420	002073			Electricity				-10.99	
70-5-0700-7420	002073			Electricity				157.63	
200220161473-	APR/19 HDYRO - METER#14				216	24-Apr-2019	02-May-2019		
70-5-0700-7420	002073			Electricity				-2.46	
70-5-0700-7420	002073			Electricity				34.68	
210120	UNION GAS LTD								
1929770208308	15192.986M3 GAS - RUTHVEN WATER TREATMENT				216	19-Apr-2019	02-May-2019		
70-5-0700-7410	002073			Gas				3,919.36	
1929770217397	1090.054M3 GAS - LOW LIFT				216	24-Apr-2019	02-May-2019		
70-5-0700-7410	002073			Gas				296.90	
Department Totals :								4,933.04	