



# JOINT BOARD OF MANAGEMENT

Wednesday, June 20, 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, May 16, 2018  
Pages 2 - 6

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

**E. Items for Consideration:**

1. UW/13/18 dated June 15, 2018 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 15, 2018  
Pages 7 - 8
2. UW/14/18 dated June 15, 2018 re: Legal Review of UWSS Wholesale Water Rates  
Pages 9 - 11
3. UW/15/18 dated June 14, 2018 Design, Engineering and Construction - Primary Chlorine Disinfection System Improvements  
Pages 12 - 15
4. UW/16/18 dated June 15, 2018 re: Payments from May 11 to June 15, 2018  
Pages 16 - 24

**F. New Business:**

**G. Adjournment:**

**H. Date of Next Meeting: Wednesday, July 18, 2018, 9:00 am, Kingsville Community Room, 1741 Jasperson Road, Kingsville Arena**

/kmj

**THE UNION WATER SUPPLY SYSTEM  
JOINT BOARD OF MANAGEMENT  
MINUTES OF MEETING**

**HELD WEDNESDAY, MAY 16, 2018 AT 9 AM  
IN KINGSVILLE COMMUNITY ROOM - KINGSVILLE ARENA**

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**Members Present:** Councillors Dunn, Hammond, Jacobs, Verbeke - Leamington  
Mayor Nelson Santos (Vice-Chair); Deputy Mayor Queen,  
Councillors Gaffan, Neufeld, Patterson - Kingsville  
Councillor Diemer - Lakeshore

**Members Absent:** Mayor Paterson, Deputy Mayor MacDonald - Leamington  
Mayor McDermott - Essex

**Staff Present:** Shannon Belleau - Leamington

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

**Call to Order:** 9:00 am

**Disclosures of Pecuniary Interest:** none

**Adoption of Council Minutes:**

**No. UW-19-18**

**Moved by:** Councillor Jacobs

**Seconded by:** Councillor Neufeld

That Minutes of the UWSS Joint Board of Management meeting of April 4, 2018  
be received.

Carried

**Business Arising Out of the Minutes:**

There was none.

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**Report UW/11/17 dated May 11, 2018 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to May 11, 2018**

The Manager indicates that the vibration in the Low Lift #3 pump has been repaired by Phasor Electric and the pump is back in service.

The rehabilitation of the Essex Water Tower (EWT) is well underway with the tower being fully encapsulated. He notes that the exterior sandblasting has been completed. The interior sandblasting will now commence. The Ministry of Labour (MOL) attended the site and no issues were identified. The crew indicates there is a possibility of completing the project ahead of schedule.

The filter backwash turbidity analyzer has been installed and the system has been tested. This new addition will allow operators to monitor and optimize the use of treated water during the backwash cycle. This will in turn reduce the use of treated water and reduce hydro costs as well.

The new kitchen/lunchroom installation is nearing completion and is expected to be completed in a week or so. The staff are excited to have a new, bigger space as the 55 year old kitchen is small and dated.

The Manager notes that the Leamington Water Tower (LWT) will be taken offline on June 18<sup>th</sup>, so the final inspection relating to the rehabilitation can be completed. He indicates that the inspection is slightly past the two (2) year date but is a requirement under the warranty. He also confirms that new corrosion equipment will be installed while it is offline. Finally, he confirms that all of this work will be in conjunction with Leamington water staff.

The Manager indicates that the chloramination system will be shut down on June 4<sup>th</sup> for a period of eight (8) weeks as per the UWSS Drinking Water Licence. He again confirms that staff will be working with all four municipalities. He confirms the public might notice a slight discolouration, but generally should not notice a difference. This work is being completed for maintenance purposes and extra sampling will be conducted during this process. There has been some discussion that this process may last for one (1) year so all four (4) seasonal changes can be observed. He reminds board members that the free chlorine process uses less chlorine, but this possibility would have to be discussed with the MOECC.

The Manager then informs board members that the SCADA field verification is almost complete. This project is expected to last for approximately one and a half years.

The flows for the plant are up for both the yearly flows and the four (4) year average. This is even in spite of all of the rain the area has seen over the last month. The Manager feels that the greenhouses are pushing the flows up.

The Board then asks the manager for clarification on the backwash analyzer. The Operations Manager indicates that it will allow better control for the operations staff. He explains that the backwash process is generally a visual inspection for the operators, but this will allow for better control and reduce costs. He further explains that the instrument was fairly inexpensive but the return should be recovered rather quickly with savings on

treated water and hydro. He notes that the staff are trying to tweak the process and the timing.

**No. UW-20-18**

Moved by: Deputy Mayor Queen

Seconded by: Councillor Dunn

That report UW/11/18 dated May 11, 2018 re: Status Update of the UWSS Operations & Maintenance Activities and Capital Works to May 11, 2018 is received.

Carried (UW/11/18)

**Verbal update on the Business Case for Restructuring for the UWSS**

The Manager provides members of the board with a verbal update on the business case for restructuring. He recaps what has transpired since the last board meeting. He confirms that he has attended all four (4) municipal councils for a presentation. Specifically, he confirms attendance as follows:

- Kingsville - April 9, 2018
- Essex - April 16, 2018
- Leamington - April 23, 2018
- Lakeshore - April 24, 2018

The presentations went well and four (4) recommendations were received, although different for each council.

- Kingsville adopted in principal and will complete an internal report to complete its due diligence;
- Essex council's recommendation was to receive the report and send back to staff to provide a further report to council;
- Leamington's council was similar to Kingsville's wherein it was adopted in principal;
- Lakeshore's council supports the business case, however, it was recommended that it goes back to staff for an internal report.

Each municipality should be do an internal review, but the Manager's intention is to keep moving forward. He will confirming with the consultants how to implement and move forward.

**No. UW-21-18**

Moved by: Councillor Verbeke

Seconded by: Councillor Patterson

That the verbal report on the UWSS Business Case for Restructuring is received.

Carried

**Verbal update on Co-Generation project**

The Manager explains that the grants for co-generation projects are now supported through the IESO. He indicates that the consultant FVB Energy had provided him with their report in January, which was reviewed and sent back for processing through IESO and Hydro One. He notes that UWSS will be receiving \$40,000 from monies previously invested.

He further notes that applications must be in by June 1<sup>st</sup> of this year, which is just a short time away. IESO and Hydro One will complete the application on behalf of the UWSS as he feels there is no harm in submitting the application as there are no additional costs and no commitment to the project. What concerns the Manager the most is that the Province seems to be getting away from natural gas and asks whether the UWSS wants to commit to a project that goes against the grain of the Province?

The Manager then presents the costs of the co-generation project, which will be approximately \$3 million. He notes that this project is being presented in conjunction with a local greenhouse near the WTP. He also indicates that the WTP would have to add a scrubber and piping to the greenhouse. The UWSS will use the electricity created and the greenhouse would receive the CO<sub>2</sub>. He then explains that the simple payback to the UWSS will take over nine (9) years, without any incentives it will take over 13 years. This realization with the potential increase of gas prices over the next nine (9) years does not make the project as appealing.

The Manager then explains that perhaps the UWSS should be looking into renewable energies such as solar power with battery banks. This might be a better solution as there is more funding available from IESO and the UWSS has a large quantity of land that solar energy can be placed on.

The Manager then answers some questions from board members and a small discussion on the cost of hydro going up. They also feel that the manager should be looking into all possible energy sources.

**No. UW-22-18**

Moved by: Deputy Mayor Queen

Seconded by: Councillor Diemer

That the verbal report on the Co-Generator project is received.

Carried

**Report UW/12/18 dated May 11, 2018 re: Payments from March 29 to May 11, 2018****No. UW-23-18**

Moved by: Councillor Dunn

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Seconded by: Councillor Patterson

That report UW/12/18 dated May 11, 2018 re: Payments from March 29 to May 11, 2018 is received.

Carried (UW12/18)

## **New Business**

The Board asks the Manager for information regarding the fluoride debate as there has been mention of it in the media recently. The Manager notes that UWSS made it very clear several years ago with a letter to the Province noting that UWSS never has had fluoride and has no intention of installing a fluoridation system. Board members note that there is growing pressure from a small group and the WECHU to make presentations to the City of Windsor and the County of Essex to turn on the fluoridation system again. The Manager again reminds members that the county residents within the UWSS zone have never had fluoridated water.

There is then a short discussion on the UWSS water intakes and if the intakes are in good repair and whether there is monies set aside for any necessary repairs. The Manager indicates that there are two (2) intakes and each one can manage the volume on its own. However, there is an emergency intake as well, which would require some work. However, he feels that the UWSS is in a favourable position to have two (2) intakes.

Councillor Patterson notes that he had a customer complaint, which in turn was handled professionally and efficiently by OCWA staff and noted that the resident was very pleased with the outcome. He wanted to extend his thanks to staff for doing a good job.

## **Adjournment:**

### **No. UW-24-18**

Moved by: Councillor Dunn

Seconded by: Councillor Jacobs

That the meeting adjourn at 9:35 am

Carried

Date of Next Meeting: **Wednesday, June 20, 2018, 9 am at the Kingsville Arena Community Room.**

/kmj

UW/13/18

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

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

**Date:** June 15, 2018

**Re:** Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 15, 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 May 16, 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 Tower progress- The interior coating has been completed. Intermediate exterior coating is being applied and should be completed by June 21<sup>st</sup>. Final coating will be applied after intermediate coating passes inspection. The interior mixer is being reinstalled Tuesday June 19<sup>th</sup>, 2018. The project is currently ahead of schedule.
3. Leamington Tower will be taken off line the week of June 18<sup>th</sup>, 2018 for paint inspection and a new cathodic protection system install.
4. Chloramination system was shut down on June 4<sup>th</sup>, 2018. The free chlorine is migrating well throughout the system. Municipalities have been cooperative in flushing to move the transition in secondary disinfection along more quickly.
5. On May 19<sup>th</sup> a PLC failure on the raw water process caused the coagulant pump to stop feeding for a period of time that required a notification to the MOECC.
6. An AWQI was reported for a low chlorine residual in Lakeshore. As this is a result of the transition in the secondary disinfection from chloramines to free chlorine, the MOECC granted relief from reporting similar low chlorine residuals during the transition as long as distribution system flushing was undertaken to bring the chlorine up to regulatory standards.

Re: UW/13/18 - Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 15, 2018

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7. Treated water Aluminum residuals are increasing due to the higher temperatures. The use of the alternative coagulant to reduce the effluent aluminum residual started June 14<sup>th</sup>, 2018 to address this issue.
8. The old meter chamber on Road 2 just west of Union Avenue has sprung a leak. The leak has been isolated and the repair will take place in the upcoming weeks.
9. Watech services conducted underwater inspections of both raw water intakes on June 14<sup>th</sup>, 2018. A report will be provided in the next couple weeks to advise us of any concerns.

Comparative Flows for 2014 through 2018 in Millions of Imperial Gallons (for the period 1 January to June 14, 2018)

	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Flow to Date (MG)	1390.81	1314.78	1352.36	1373.04	1460.04
Max Day (MGD)	13.65	12.75	15.57	16.17	16.59
Min Day (MGD)	4.19	3.79	4.29	4.56	5.18
Average Day (MGD)	8.43	7.97	8.15	8.32	8.85
No of Days	165	165	166	165	165

Flows to date are up 87 MIG or 6.34% from last year. The 2018 flows to date are up 7.00% 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

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UW/14/18



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

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

**Date:** June 15, 2018

**Re:** Legal Review of UWSS Wholesale Water Rates

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**Recommendation:**

That the Union Water Supply System (UWSS) Board receives this report for information;

That the UWSS Board endorses the termination of the UWSS reduced wholesale water rate to Highbury Canco on December 31<sup>st</sup>, 2018 and;

That effective January 1, 2019, Highbury Canco becomes a direct customer of the Municipality of Leamington for water services and that the Municipality of Leamington be subject to regular wholesale water rate for Highbury Canco water demand.

**Background:**

At the Special Meeting of the UWSS Board on February 5<sup>th</sup>, 2014, the UWSS Board approved a motion to temporarily extend a lower wholesale rate to Highbury CanCo to help support the viability of Highbury CanCo's proposed operation at the former Heinz production facility in Leamington, ON. The proposed reduced water rate offered was equivalent to that was being applied to H.J Heinz at that time.

It is also noted that in early 2014 UWSS retained Watson & Associates to undertake a water rate analysis and an evaluation of alternative wholesale water rate & pricing structures. This rate analysis was conducted in conjunction with the revision to UWSS' Water Financial Plan under Ontario Regulation 453/07.

The evaluation by Watson & Associates included a proposal for implementing a two block "declining block" rate structure where very large water users could benefit from lower water rates once they reached the second block volume criteria of 330,000 gallons per month. This reduced rate for the second block would apply to all entities that met the volume criteria. It was noted at the time that such a rate plan would need to be evaluated, and endorsed by the four municipal partners prior to implementation by UWSS.

June 15, 2018 -UW/14/18

Re: Legal Review of UWSS Wholesale Water Rates

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At the October 15, 2014 UWSS Board meeting, the UWSS Board approved the extension of the reduced wholesale rate to Highbury Canco to December 31<sup>st</sup>, 2015.

The reduced wholesale rate to Highbury Canco was extended to allow more time for the UWSS General Manager to work with senior management at partner municipalities in regards to the potential development and implementation of a declining block rate structure at the wholesale level that would apply to all large water users. The implementation of such a rate structure would require adoption by Councils of partner municipalities and likely require significant modifications to their water billing systems and procedures. Municipal staff also indicated that further evaluation would be needed to see if such a rate structure would be beneficial to their respective municipalities.

The reduced wholesale rate (with UWSS Board approved annual increases) for Highbury Canco was approved again in 2016, 2017 and 2018 through the UWSS Operations and Capital budgeting process. As of the date of this report, the evaluation of a declining block rate and reduced wholesale rate to all large water users has stagnated and has yet to be completed.

### **Discussion:**

As previously indicated in this report, the provision of a reduced UWSS wholesale rate to Highbury Canco was always intended to be a temporary measure until such a time as an evaluation of a proposed declining block wholesale water rate structure (or something similar) could be implemented by UWSS in conjunction with the 4 owner municipalities for all large water users. However, at the time of this report, this has yet to be accomplished and does not appear that it will be achieved in the near future.

The provision of a reduced wholesale rate solely to Highbury Canco was never intended to be permanent as it might be considered “municipal bonusing”. Such a rate should be available to all qualifying water users through an approved water rate structure or should not be available to anyone. As such, to address the possible issue of municipal bonusing, the UWSS General Manager retained Willis Business Law to provide a legal review of UWSS wholesale water rates and an opinion in regards to the temporary wholesale water rate currently being applied to Highbury Canco.

Based on Willis Business Law’s legal review and opinion, the provision of a preferred wholesale water rate by UWSS to Highbury Canco could constitute “bonusing”, which is not allowed under the Municipal Act, 2001. As such, the UWSS should discontinue the temporary reduced wholesale rate to Highbury Canco.

### **Concluding Remarks:**

Since Highbury Canco is not directly party to the UWSS Transfer Order dated 2001, and cannot be availed the preferential wholesale water rates that were conveyed to Heinz in the Transfer Order, then Highbury Canco should be considered a customer of the

June 15, 2018 -UW/14/18

Re: Legal Review of UWSS Wholesale Water Rates

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Municipality of Leamington in regards to municipal water services and not a preferred customer of the UWSS.

As such, the UWSS General Manager recommends the following actions be undertaken:

1. UWSS would continue to provide a reduced wholesale rate to Highbury Canco, through the Municipality of Leamington, until December 31<sup>st</sup>, 2018.
2. Effective January 1, 2019, Highbury Canco would become a direct customer of the Municipality of Leamington for water services. The Municipality of Leamington will pay the UWSS the regular wholesale rate for water consumed by Highbury Canco.

The UWSS General Manager means to seek approval from the UWSS Board in regards to the proposed actions listed above.

Respectfully submitted,



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

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UW/15/17

## Report

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

From: Rodney Bouchard, Union Water Manager

Date: June 13, 2018

Re: Design, Engineering and Construction - Primary Chlorine Disinfection System Improvements



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### Recommendation:

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

And further, that the UWSS Board approves a budget of \$900,000 to be funded from the UWSS Operating and Capital Funds Reserve for the undertaking of Design, Engineering and Construction services for improvements to the Primary Chlorine Disinfection System at the Ruthven Water Treatment Plant.

### Background:

In 2016 the Union Water Supply System (UWSS) retained Associated Engineering (AE) to complete a Water Quality Master Plan study for the UWSS Ruthven Water Treatment Plant. This study included a review of all water treatment processes at the plant to identify improvements to the processes in order to optimize the water treatment plant. Associated Engineering issued a final Water Quality Master Plan report for the UWSS Ruthven Water Treatment Plant in February 2017.

### Discussion:

As part of the Water Quality Master Plan study, a number of water treatment process improvements were identified for the Ruthven Water Treatment Plant. One of these included improvements to the existing primary chlorine disinfection system.

A number of issues have been identified with the existing primary chlorine disinfection system. Most of these are health and safety related.

June 13, 2018 - UW/15/18

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Re: Design, Engineering and Construction - Primary Chlorine Disinfection System Improvements

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- The portion of the existing chlorine building where “in use” chlorine storage containers (i.e. “tonners”) are staged is very narrow. This makes it very difficult for operators to safely change the chlorine tonners when empty.
- The chlorine “tonners” are staged on weigh scales that allow operators to determine when “tonners” are almost empty and need to be changed. These existing weigh scales are very old and bulky analog scales that take a lot of room and are not as precise as digital scales.
- The existing system that extracts chlorine from the “tonners” (i.e. “pigtails”) does not incorporate the newer automatic shut-off systems in case of leakage. Further, the existing pigtail header extraction system is installed at waist height, which is somewhat unsafe since the pigtails are in the way when operator/maintenance staff are working with the system.
- The chlorine building does not include a scrubber system that would capture and treat chlorine gas if a large chlorine leak were to occur.

The UWSS proposes to undertake improvements to the primary chlorine disinfection system at the Ruthven Water Treatment Plant to address the issues identified with the system. The following health & safety and operational improvements are proposed:

- Expansion of the portion of the chlorine building where the in-use chlorine tonners are staged. This would consist of an approximately 250 square foot (ft<sup>2</sup>) expansion to the existing 1200 ft<sup>2</sup> building. The expanded area would allow operators and maintenance staff to easily and safely maneuver around the chlorine tonners and also make it easier to change out chlorine tonners.
- Upgrades to the chlorine tonner scale system. This would consist of changing the existing bulky analog weigh scales to digital scales. The newer technology digital scales would provide more precise measurement of chlorine storage capacity and would allow connection of the digital scales to the SCADA system thus providing for better monitoring.
- Upgrades to the chlorine tonner extraction system to move the “header” to a location and height that would facilitate operator/maintenance staff movement around the system thus making it safer. The extraction system upgrades would also include state of the art automatic shut-off devices for each tonner thus reducing the potential for a chlorine leak resulting in a safer work environment.
- Installation of a two-ton dry scrubber system that would capture and treat any larger chlorine leaks that would result from chlorine tonner damage. This system would minimize the potential for large scale chlorine leak to the environment thus improving safety for staff and local residents.

It should be noted that this project was identified in the UWSS 6-Year Capital Plan as a project to be completed initially in 2019 with a proposed budget of \$1 million dollars.

Further, it should also be noted that the UWSS is currently in process of designing a Carbon Dioxide (CO<sup>2</sup>) raw water pH adjustment system that is scheduled for construction in Fall 2018. Upon review of the 6-year Capital Plan it was noted that significant cost

June 13, 2018 - UW/15/18

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Re: Design, Engineering and Construction - Primary Chlorine Disinfection System Improvements

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savings could be achieved by combining the CO<sup>2</sup> pH adjustment system improvement with the primary chlorine disinfection system upgrades since both systems are located in the same general area of the Ruthven Water Treatment Plant. By combining these projects, required works such as geotechnical studies, engineering, procurement and contract management could be completed together instead of separate projects.

The 2018 approved budget for the CO<sup>2</sup> system capital works is \$950,000. An estimated project cost of \$1 million dollars has been identified for the proposed upgrades to the primary chlorine disinfection system upgrade, as based upon information provided in the Water Quality Master Plan Report (February 2017) prepared by Associated Engineering. By combining both projects, an estimated savings of up to \$100,000 can be achieved as compared to undertaking the projects separately. Thus a capital budget of \$900,000 would be allocated for the primary chlorine disinfection system upgrade project.

### **Financial Impact:**

Based on preliminary budgeting information provided in the Water Quality Master Plan report, the estimated cost to undertake proposed improvements to the primary chlorine disinfection system is \$900,000.

The budget of \$900,000 for this work would be funded from the UWSS Reserves. Sufficient funds are available in the UWSS Operating and Capital Fund reserves to support this work.

### **Closing Comments:**

The proposed upgrades to the primary chlorine disinfection system would address significant safety hazards associated with the existing small building footprint where the in-use chlorine tonners are staged and with the chlorine tonner extraction system. The installation of the dry scrubber would also provide significant safety improvements for water treatment plant staff and nearby residents in case of a chlorine leak emergency.

This project has already been identified in the UWSS 6-year capital plan as a recommended improvement scheduled for 2019-2020. However, completing this project in combination with the existing CO<sup>2</sup> pH raw water adjustment project would provide significant cost savings in regards to engineering, procurement, and construction. As such, the UWSS General Manager recommends that the UWSS Board approves a budget of \$900,000 dollars to be funded from reserves for the the undertaking of the proposed primary chlorine disinfection system.

June 13, 2018 - UW/15/18

Re: Design, Engineering and Construction - Primary Chlorine Disinfection System Improvements

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Respectfully submitted,



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

rb/kmj

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UW/16/18

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

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

**Date:** June 15, 2018

**Re:** Payments for the UWSS from May 12 to June 15, 2018

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**Aim:**

To provide the Board with a copy of payments made by the Union Water Supply System from May 12 to June 15, 2018

**Recommendation:**

For information purposes.

Respectfully submitted,



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

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Vendor : 0011450 To PT00000151  
 Batch : All  
 Department : All

Cheque Print Date : 10-May-2018 To 18-May-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>020120 BELL MOBILITY CELLULAR</b>					
514877178-MA	MONTHLY CELL PHONE CHARGES	237	01-May-2018	17-May-2018	
70-5-0700-7110	002070 002083 Telecommunications Usage				40.68
<b>030515 CUETS FINANCIAL</b>					
STAPLES-0123	MOUSE	240	12-Apr-2018	10-May-2018	
70-5-0700-7010	002070 Office Supplies				167.71
VERNONS-API	BUSINESS LUNCH	240	09-Apr-2018	10-May-2018	
70-5-0700-7052	002070 Meeting Expenses				5.00
70-5-0700-7052	002070 Meeting Expenses				24.80
ZEHRS-APR4	SUPPLIES - BOARD MEETING	240	04-Apr-2018	10-May-2018	
70-5-0700-7052	002070 Meeting Expenses				13.44
<b>050003 E.L.K. ENERGY INC</b>					
40010915-APR	APR/18 HYDRO - ESSEX WATER TOWER	240	01-May-2018	10-May-2018	
70-5-0700-7420	002073 Electricity				-9.45
70-5-0700-7420	002073 Electricity				133.51
40047150-APR	APR/18 HYDRO - METER#9	240	01-May-2018	10-May-2018	
70-5-0700-7420	002073 Electricity				-2.85
70-5-0700-7420	002073 Electricity				40.27
51976611-APR	APR/18 HYDRO - KINGSVILLE WATER TOWER	240	01-May-2018	10-May-2018	
70-5-0700-7420	002073 Electricity				-14.43
70-5-0700-7420	002073 Electricity				203.86
90006300-APR	APR/18 HYDRO - COTTAM BOOSTER STN	240	01-May-2018	10-May-2018	
70-5-0700-7420	002073 Electricity				2,817.23
<b>080143 HICKS MACPHERSON</b>					
7341	2017 UWSS YE AUDIT	244	04-May-2018	17-May-2018	
70-5-0700-7959	002070 UWSS Audit Fees				6,508.80
<b>080250 HYDRO ONE NETWORKS INC</b>					
200141677460	APR/18 HYDRO - RUTHVEN WATER TREATMENT	244	08-May-2018	17-May-2018	
70-5-0700-7420	002073 Electricity				53,351.06
200141680692	APR/18 HYDRO - LOW LIFT	244	08-May-2018	17-May-2018	
70-5-0700-7420	002073 Electricity				29,456.07
70-5-0700-7420	002073 Electricity				-4.81
200141680894	APR/18 HYDRO - LEAM. WATER TOWER	240	30-Apr-2018	10-May-2018	
70-5-0700-7420	002073 Electricity				-34.26
70-5-0700-7420	002073 Electricity				483.93
200141682009	APR/18 HYDRO - ALBUNA WATER TOWER	240	01-May-2018	10-May-2018	
70-5-0700-7420	002073 Electricity				-116.40
70-5-0700-7420	002073 Electricity				1,644.18
200141683019	APR/18 HYDRO - METER #3	240	30-Apr-2018	10-May-2018	
70-5-0700-7420	002073 Electricity				-3.03
70-5-0700-7420	002073 Electricity				42.80
200141683120	APR/18 HYDRO - METER#5	240	01-May-2018	10-May-2018	
70-5-0700-7420	002073 Electricity				-3.07
70-5-0700-7420	002073 Electricity				43.32
200141683423	APR/18 HYDRO - METER #6	240	30-Apr-2018	10-May-2018	
70-5-0700-7420	002073 Electricity				-2.96
70-5-0700-7420	002073 Electricity				41.86
200152134969	APR/18 HYDRO - METER#17	244	08-May-2018	17-May-2018	
70-5-0700-7420	002073 Electricity				-2.66
70-5-0700-7420	002073 Electricity				37.53



**Vendor :** 0011450 To PT00000151  
**Batch :** All  
**Department :** All

**Cheque Print Date :** 10-May-2018 To 18-May-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				
<b>DEPARTMENT 0700 Union Water System</b>					
<b>100048 JACQUES DAOUST COATINGS MANAGEMENT INC</b>					
PC#2 17-028	PMT#2 ESSEX WATER TOWER REHABILITATION	244	03-May-2018	17-May-2018	
70-7-0700-8705	Essex Water Tower				152,491.81
70-7-0700-8705	Essex Water Tower				17,731.61
70-7-0700-8705	Essex Water Tower				7,092.64
<b>150365 ONTARIO CLEAN WATER AGENCY</b>					
INV000103165	APR/18 OPER&MTCE	240	30-Apr-2018	10-May-2018	
70-5-0700-6720	002071 OCWA Operating Contract				239,708.00
<b>160530 PRICEWATERHOUSE COOPERS LLP</b>					
TR138141055	RESTRUCTURING CONSULTANT	244	11-May-2018	17-May-2018	
70-5-0700-7950	002070 Professional Services				14,870.64
<b>180200 REIS APPLIANCE CENTRE LTD</b>					
48504	KITCHEN APPLIANCES	256	09-Apr-2018	18-May-2018	
70-7-0700-8030	Machinery & Equipment				6,297.49
<b>180325 RICOH CANADA INC</b>					
SCO91954430	COPIER CONTRACT - MAR20-APR18	244	30-Apr-2018	17-May-2018	
70-5-0700-7010	002070 Office Supplies				92.75
<b>190185 SGS CANADA INC. ENVIRONMENTAL SERVICES</b>					
11147659	WATER QUALITY STUDIES CORROSION-UWSS	244	27-Apr-2018	17-May-2018	
70-5-0700-7989	002075 Operational Programs & Studies				474.60
11147678	WATER QUALITY STUDIES CORROSION-ESSEX	244	27-Apr-2018	17-May-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
11147679	WATER QUALITY STUDIES CORROSION-KINGSVILLE	244	27-Apr-2018	17-May-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
11147680	WATER QUALITY STUDIES CORROSION-LEAMINGTON	244	27-Apr-2018	17-May-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
11147684	WATER QUALITY STUDIES CORROSION-LAKESHORE	244	27-Apr-2018	17-May-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
<b>190755 SUN LIFE ASSURANCE COMPANY OF CANADA</b>					
MAY-18	MAY/18 UNION WATER LOAN 3724:1	244	14-May-2018	17-May-2018	
70-5-0700-6100	002010 006901 Debenture Interest				119,647.27
70-5-0700-6000	002020 006901 Debenture Principal				88,562.39
<b>230440 WILLIS LAW FIRM</b>					
8192	LEGAL FEES - RESTRUCTURING	244	30-Apr-2018	17-May-2018	
70-5-0700-7950	002070 Professional Services				4,661.25
8193	LEGAL FEES - GRANTING BONUSES	244	30-Apr-2018	17-May-2018	
70-5-0700-7950	002070 Professional Services				342.96
<b>Department Totals :</b>					<b>747,228.78</b>



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Batch : All

Department : All

EFT Paid Date : 10-May-2018 To 18-May-2018

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Class : All

Vendor Code	Vendor Name				Batch	Inv Date	Inv Due Date	Amount
Invoice No.	Description							
G.L. Account	CC1	CC2	CC3	GL Account Name				
DEPARTMENT 0700				Union Water System				
210120				UNION GAS LTD				
APR-MAY18 17:954.236M3 GAS - COTTAM BOOSTER STN					244	10-May-2018	17-May-2018	
70-5-0700-7410		002073		Gas				301.84
<b>Department Totals :</b>								<b>301.84</b>

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



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Date : Jun 05, 2018

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Cheque Print Date : 22-May-2018 To 01-Jun-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				
<b>DEPARTMENT 0700 Union Water System</b>					
<b>010103 ASSOCIATED ENGINEERING (ONT) LTD</b>					
524209	PH ADJUSTMENT SYSTEM - MAY4		270 16-May-2018	31-May-2018	
70-5-0700-7989	002075 Operational Programs & Studies				13,332.50
<b>060975 FVB ENERGY INC</b>					
1006331	CHP PROJECT		270 30-Apr-2018	31-May-2018	
70-5-0700-7989	002075 Operational Programs & Studies				1,169.55
<b>080250 HYDRO ONE NETWORKS INC</b>					
200141683726	APR/18 HYDRO - METER #15		270 24-May-2018	31-May-2018	
70-5-0700-7420	002073 Electricity				-2.57
70-5-0700-7420	002073 Electricity				36.31
200208899066	APR/18 HYDRO - METER #16		270 14-May-2018	31-May-2018	
70-5-0700-7420	002073 Electricity				-6.68
70-5-0700-7420	002073 Electricity				94.38
200220161473	MAY/18 HYDRO - METER#14		270 24-May-2018	31-May-2018	
70-5-0700-7420	002073 Electricity				-2.34
70-5-0700-7420	002073 Electricity				33.08
<b>130838 MUNICIPALITY OF LEAMINGTON</b>					
530-17700	JUN PROPERTY TAXES - LEAM. WATER TOWER		270 29-May-2018	31-May-2018	
70-5-0700-6750	002072 Property Tax				896.48
<b>150365 ONTARIO CLEAN WATER AGENCY</b>					
INV000101838	EWT - PROJ. MGMT. FEES - FEB24		270 27-Feb-2018	31-May-2018	
70-5-0700-7989	002070 Operational Programs & Studies				8,110.01
INV000103823	OCWA - FEES FOR EWT REHAB		270 24-May-2018	31-May-2018	
70-5-0700-7950	002070 Professional Services				13,179.92
<b>180200 REIS APPLIANCE CENTRE LTD</b>					
41935	KITCHEN WATER LINES		270 22-May-2018	31-May-2018	
70-7-0700-8030	Machinery & Equipment				111.83
<b>030021 THE CABINET MILL</b>					
MAY22-18	CABINETS & COUNTERTOPS BUILT & INSTALLED		270 22-May-2018	31-May-2018	
70-7-0700-8035	309005 Furniture & Fixtures				11,255.64
<b>Department Totals :</b>					<b>48,208.11</b>

MUNICIPALITY OF LEAMINGTON  
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Date :

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 Batch : All  
 Department : All

EFT Paid Date : 22-May-2018 To 01-Jun-2018  
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 Class : All

Vendor Code	Vendor Name				Batch	Inv Date	Inv Due Date	Amount	
Invoice No.	Description			GL Account Name					
G.L. Account	CC1	CC2	CC3						
<b>DEPARTMENT 0700</b>		Union Water System							
<b>050195</b>		<b>ESSEX POWERLINES CORPORATION</b>							
220651-MAY18	26KWH - METER#4				270	22-May-2018	31-May-2018		
70-5-0700-7420	002073			Electricity				-3.12	
70-5-0700-7420	002073			Electricity				44.00	
<b>210120</b>		<b>UNION GAS LTD</b>							
APR-MAY18 2016353.944M3	GAS - RUTHVEN WATER TREATMENT PLANT				270	23-May-2018	31-May-2018		
70-5-0700-7410	002073			Gas				1,970.55	
APR-MAY18 211420.773M3	GAS - LOW LIFT				270	25-May-2018	31-May-2018		
70-5-0700-7410	002073			Gas				147.59	
<b>Department Totals :</b>								<b>2,159.02</b>	



Vendor : 0011450 To PT00000151  
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Cheque Print Date : 07-Jun-2018 To 07-Jun-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				
<b>DEPARTMENT 0700 Union Water System</b>					
<b>050003 E.L.K. ENERGY INC</b>					
40010915-MAY 744KWH - ESSEX WATER TOWER		288	01-Jun-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				122.94
70-5-0700-7420 002073	Electricity				-8.70
40047150-MAY 91KWH - METER#9		288	01-Jun-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-2.24
70-5-0700-7420 002073	Electricity				31.70
51976611-MAY 1504KWH - KINGSVILLE WATER TOWER		288	01-Jun-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-14.01
70-5-0700-7420 002073	Electricity				198.02
90006300-MAY 17040KWH - COTTAM BOOSTER STATION		288	01-Jun-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				4,079.76
<b>080250 HYDRO ONE NETWORKS INC</b>					
200141680894 2343KWH - LEAMINGTON WATER TOWER		288	29-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-33.65
70-5-0700-7420 002073	Electricity				475.26
200141681706 57KWH - METER#2		288	28-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-3.03
70-5-0700-7420 002073	Electricity				42.87
200141682009 6914KWH - ALBUNA WATER TOWER		288	30-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-94.85
70-5-0700-7420 002073	Electricity				1,339.82
200141683019 33KWH - METER#3		288	29-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-2.71
70-5-0700-7420 002073	Electricity				38.27
200141683120 38KWH - METER#5		288	30-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-2.78
70-5-0700-7420 002073	Electricity				39.23
200141683423 32KWH - METER#6		288	29-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-2.70
70-5-0700-7420 002073	Electricity				38.08
200141683524 27KWH - METER#8		288	28-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-2.63
70-5-0700-7420 002073	Electricity				37.14
200141687362 1KWH - METER#22		288	28-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-2.28
70-5-0700-7420 002073	Electricity				32.16
200141687766 57KWH - METER#29		288	28-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-3.03
70-5-0700-7420 002073	Electricity				42.85
200141687867 2KWH - METER#24		288	28-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-2.29
70-5-0700-7420 002073	Electricity				32.34
200141690190 224KWH - METER#26		288	25-May-2018	07-Jun-2018	
70-5-0700-7420 002073	Electricity				-5.31
70-5-0700-7420 002073	Electricity				75.00
<b>Department Totals :</b>					<b>6,445.23</b>



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Cheque Print Date : 13-Jun-2018 To 15-Jun-2018  
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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				
<b>DEPARTMENT 0700</b>	Union Water System				
<b>030004 C3 WATER INC</b>					
201805-288	WATER MODELING UPDATES	296	11-Jun-2018	13-Jun-2018	
70-5-0700-7950	002070 Professional Services				10,607.31
<b>030217 CANADIAN WATER NETWORK</b>					
2018CMWC16	2018 STUDIES - MEMBERSHIP FEE	296	15-Nov-2017	13-Jun-2018	
70-5-0700-7989	002075 Operational Programs & Studies				25,000.00
<b>050194 ESSEX FREE PRESS LIMITED</b>					
64685	FREE CHLORINE AD	296	29-May-2018	13-Jun-2018	
70-5-0700-7130	002070 Advertising & Promotion				235.88
<b>080250 HYDRO ONE NETWORKS INC</b>					
200141677460	MAY/18 HYDRO - RUTHVEN WATER TREATMENT PLANT	296	07-Jun-2018	13-Jun-2018	
70-5-0700-7420	002073 Electricity				56,459.53
200141680692	MAY/18 HYDRO - LOW LIFT	296	07-Jun-2018	13-Jun-2018	
70-5-0700-7420	002073 Electricity				30,970.18
70-5-0700-7420	002073 Electricity				-4.69
200152134969	MAY/18 HYDRO - METER#17	296	07-Jun-2018	13-Jun-2018	
70-5-0700-7420	002073 Electricity				-2.48
70-5-0700-7420	002073 Electricity				35.02
<b>100048 JACQUES DAOUST COATINGS MANAGEMENT INC</b>					
PC#3 3059	PMT#3 ESSEX WATER TOWER REHAB PROJECT	296	30-May-2018	13-Jun-2018	
70-7-0700-8705	Essex Water Tower				348,405.77
70-7-0700-8705	Essex Water Tower				40,512.30
70-7-0700-8705	Essex Water Tower				16,204.92
<b>110080 KINGSVILLE REPORTER</b>					
63789	FREE CHLORINE AD	296	29-May-2018	13-Jun-2018	
70-5-0700-7130	002070 Advertising & Promotion				213.57
63803	FREE CHLORINE AD	296	31-May-2018	13-Jun-2018	
70-5-0700-7130	002070 Advertising & Promotion				85.43
<b>120030 LAKESHORE NEWS</b>					
54075	FREE CHLORINE AD	296	31-May-2018	13-Jun-2018	
70-5-0700-7130	002070 Advertising & Promotion				281.37
<b>150365 ONTARIO CLEAN WATER AGENCY</b>					
INV000103749	MAY/18 OPER&MTCE	296	31-May-2018	13-Jun-2018	
70-5-0700-6720	002071 OCWA Operating Contract				239,708.00
<b>160610 PUROLATOR INC</b>					
438231715	STROSBERG SASSO	296	01-Jun-2018	13-Jun-2018	
70-5-0700-7010	002070 Office Supplies				4.43
<b>180325 RICOH CANADA INC</b>					
SCO91988387	COPIER CONTRACT - APR18-MAY30	296	31-May-2018	13-Jun-2018	
70-5-0700-7010	002070 Office Supplies				83.98
<b>190185 SGS CANADA INC. ENVIRONMENTAL SERVICES</b>					
11156071	WATER QUALITY STUDIES CORROSION-UWSS	296	30-May-2018	13-Jun-2018	
70-5-0700-7989	002075 Operational Programs & Studies				774.05
11156081	WATER QUALITY STUDIES CORROSION-LAKESHORE	296	30-May-2018	13-Jun-2018	
70-5-0700-7989	002075 Operational Programs & Studies				98.31
11156094	WATER QUALITY STUDIES CORROSION-KINGSVILLE	296	30-May-2018	13-Jun-2018	
70-5-0700-7989	002075 Operational Programs & Studies				310.75
11156095	WATER QUALITY STUDIES CORRISION-LEAMINGTON	296	30-May-2018	13-Jun-2018	
70-5-0700-7989	002075 Operational Programs & Studies				196.62



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Vendor Invoice	Vendor Name Description				GL Account Name	Batch Invc Date	Invc Due Date	Amount	
G.L. Account	CC1	CC2	CC3						
<b>DEPARTMENT 0700 Union Water System</b>									
<b>190466 SOUTHPOINT PUBLISHING INC</b>									
124013	FREE CHLORINE AD					296 30-May-2018	13-Jun-2018		
70-5-0700-7130	002070	Advertising & Promotion						293.80	
<b>190755 SUN LIFE ASSURANCE COMPANY OF CANADA</b>									
JUN-18	JUN/18 UNION WATER LOAN 3724:1					296 11-Jun-2018	13-Jun-2018		
70-5-0700-6000	002020	006901	Debenture Principal					112,475.11	
70-5-0700-6100	002010	006901	Debenture Interest					118,868.95	
<b>230420 WILL INSURANCE BROKERS LTD</b>									
0646262	RENEW INSURANCE POLICY					296 01-Jun-2018	13-Jun-2018		
70-5-0700-7140	002070	Insurance - Liability						7,502.22	
<b>Department Totals :</b>									<b>1,009,320.33</b>