

THE UNION WATER SUPPLY SYSTEM
JOINT BOARD OF MANAGEMENT
AGENDA
JUNE 15, 2016
COMMENCING AT 9:00 AM
IN THE COMMUNITY ROOM - KINGSVILLE ARENA

(A) Call to Order:

(B) Disclosures of Pecuniary Interest:

(C) Adoption of Minutes:

Minutes of the meeting of the Union Water Supply System Joint Board of Management
Meeting held Wednesday, April 20, 2016

Pages 2 - 6

(D) Business Arising Out of the Minutes:

(E) Items for Consideration:

1. UW/16/16 - Status Update of the UWSS Operations & Maintenance Activities and Capital Works to June 9, 2016 and dated June 9, 2016
Pages 7 - 9
2. UW/17/16 - Proposed Purchase of Portable Backup Generator, dated June 8, 2016
Pages 10 - 16
3. UW/18/16 - Proposed New Storage Structure at Treatment Plant Property, dated June 8, 2016
Pages 17 - 18
4. UW/19/16 - Payments from April 16 to June 10, 2016, dated June 10, 2016
Pages 19 - 29

(F) New Business:

(G) Adjournment:

(H) Date of Next Meeting: July 20, 2016, Unico Building, 37 Beech Street, Kingsville (behind A & A flooring)

/kmj

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

MINUTES OF MEETING

HELD APRIL 20, 2016 AT 9 AM

IN KINGSVILLE COMMUNITY ROOM - KINGSVILLE ARENA

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

Members Absent: Councillor Dunn - Leamington
Councillor Neufeld - Kingsville
Mayor McDermott - Essex

Municipal Staff Present: Shannon Belleau - Leamington

OCWA Staff Present: Dale Dillen

Call to Order: 9:00 am

Disclosures of Pecuniary Interest: None

Adoption of Council Minutes:

No. UW-25-16

Moved by: Mayor Paterson

Seconded by: Larry Verbeke

That Minutes the UWSS Joint Board of Management meeting of March 16, 2016 be received.

Carried

Business Arising Out of the Minutes:

The Manager notes that the last page of the March 16, 2016 minutes was not included in the agenda package. This page included the adjournment of said meeting. The administrative assistant will be forwarding this page on to the clerks.

Report UW/13/16 dated April 15, 2016 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to April 15, 2016

The Manager goes through his report with the Board. He indicates that all regular maintenance is ongoing through OCWA's internal check system. He notes that Watech Services will be arriving in May to inspect the clearwell #2 and repair intake #2. Intake #2 will then have the same zebra mussel control system as on intake #1.

He also notes that communication upgrades are continuing. There have been a few glitches but for the most part running smoothly.

The Manager confirms that the UWSS retained Associated Engineering to conduct bench testing of coagulants and polymer. He hoped to have to report for today's meeting but had only received it the night before. He will be presenting the findings at the May 2016 meeting. The findings will help select the best coagulant to help minimize any possible corrosion.

The MOECC Inspection report has been received, however the Manager notes he will be speaking on this issue later in the agenda. The Manager confirms that Gillet Sheet Metal have almost completed the removal of microstrainer #1 from WTP and notes that Associated Engineering has been retained to design a structure to cover the large hole left in the floor. It is anticipated that microstrainer #2 will be removed later in the year and thus creating more useable space for OCWA to store equipment.

The pole barn roof repairs have been completed by All Good Construction and has experienced a very heavy rain fall with no leaks. The relocation of the carbon system from the back shop is now complete. As well an old water meter at Cull and Heritage in Kingsville has been removed and an isolation valve has been installed.

The Manager explains that a thought to be leaking valve at Graham and 11th Conc. In Kingsville turned out to be a coupling that had been improperly repaired. Repairs have now been made. A member asks the Manager if there is a better way to notify UWSS of a leak occurring in the system. The Manager notes that the distribution crew prioritizes any leaks in the system and also to determine who is responsible for paying for the costs of repairs.

Finally, the window replacement phase of 2016 has been completed and billing meter replacements will commence at the end of April.

Page 3, April 20, 2016 - Union Water Supply System Joint Board of Management Meeting Minutes

The Manager notes that flows are still lower compared to previous years, but notes that since the report had been prepared they had picked up considerably. He explains to the Board that he may adjust how the flows are shown so members have a better picture of what is going on.

No. UW-26-16

Moved by: Dan Diemer

Seconded by: John Jacobs

That Report UW/13/16 dated April 15, 2016 re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to April 15, 2016 is received.

Carried (UW/13/16)

Report UW/14/16 dated April 11, 2016 re: MOECC Drinking Water Inspection Report for the UWSS - January 14, 2016 Inspection

The Manager indicates that the previous inspection took place in December 2014 and was not considered a detailed inspection report. Said report looked at 454 elements. The January 14, 2016 inspection was considered a detailed report and inspected 721 elements. UWSS has been given an inspection rating of 96.26%. The Manager notes that the main issues are relating to documentation not water quality issues.

He provides members with an example of the documentation error made. He notes that the most recent Drinking Water Works Permit (DWWP) had a change to wording regarding MOECC Director Notification for any changes in coagulant chemicals; this requirement was not present in the previous DWWP and was thus missed during the recent coagulant chemical testing. The inspection report also provided best practice advice for solids testing. He further notes that the inspector did some water quality testing at the time of the inspection and all tests met the standards.

No. UW-27-16

Moved by: Larry Patterson

Seconded by: John Jacobs

That report UW/14/16 dated April 11, 2016 re: MOECC Drinking Water Inspection Report for the UWSS - January 14, 2016 Inspection is received.

Carried (UW/14/16)

Report UW/15/16 dated April 15, 2016 re: Payments from March 11 to April 15, 2016

The Board asks if the Manager has noticed any cost savings after switching over to LED lighting. The Manager notes that the UWSS electrical usage has been going down,

however, the costs have been going up, due to increases in Hydro One costs. The Manager will still be forwarding a letter to the Province regarding this issue.

The Board also asks if the Manager has given any further thought to Co-Generation. The Manager notes that he is still waiting for detailed engineer study grant, but has not received final approval from the OPA. He will inform the Board once he hears anything.

No. UW-28-16

Moved by: Deputy Mayor Queen

Seconded by: John Jacobs

That report UW/15/16 dated April 15, 2016 re: Payments from March 11 to April 15, 2016 is received.

Carried (UW/15/16)

New Business

The Manager informs the Board members of two interesting reports: First the Ontario Great Lakes Study (OGLS); Second the Water Quality in Ontario 2014 Report

The Manager notes that both Leamington and UWSS are mentioned in the OGLS report on pages 19 and 44 respectively. He also informs members that the reports can be found at www.unionwater.ca and is well worth the read.

The second report is the Water Quality Report for 2014 and as members can see it is two years behind in its reporting. This report reviews general aspects of water quality in Ontario.

The Manager then informs members of the student tours that will be taking place tomorrow at the Ruthven WTP in conjunction with ERCA for Earth Day. Approximately 120 students are expected to go through the WTP. He also notes that an elementary school will be coming through on April 26th as well.

On that note the Manager explains that he would like to host an open house in the summer, perhaps tie in with another ongoing community event. He hasn't all of the details as of yet, but would like members to consider the idea.

Finally, the Manager notes the Ontario Water Works Association event on May 1-4, for any interested members, taking place in Windsor.

No. UW-29-16

Adjournment:

Moved by: Larry Patterson

Seconded by: John Hammond

That the meeting adjourn at 9:26

Carried

Date of Next Meeting: May 25, 2016, 9:00 am Kingsville Community Room,
Kingsville Arena

/kmj

UW/16/16

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

From: Rodney Bouchard, Union Water Manager

Date: June 9 2016

Re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 9, 2016



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. Watech Services has completed installing the new sodium Hypochlorite line into intake #1. Due to settled solids inside the intake over the last several years Watech utilized portable diesel pumps and a high pressure clean out system to try and remove some debris. OCWA Staff are building a new sodium pumping header system and installing a new feed pump. OCWA electrical staff are taking care of the additional SCADA and PLC programming that is required to control the new system.
3. The corrosion impact study was completed by Associated Engineering to assess for possible corrosion risk to UWSS and local municipal watermain infrastructure. A meeting is scheduled for June 14, 2016 with UWSS, OCWA operations staff and Associated Engineering to review the draft report conclusions and recommendations and to identify the next steps to be undertaken.
4. LED lighting upgrades for the treatment plant parking lot lights were completed on June 6, 2016.
5. Major upgrades to meter chamber #3 were undertaken to address problems with the structural integrity of the underground chamber roof support structure. Rehabilitation work included excavation to expose roof structure, replacement

June 9, 2016 - UW/16/16

Re: Status Update of UWSS Operations & Maintenance Activities and Capital Works to June 9, 2016

- of three (3) precast concrete slabs; installation of a new access hatch; restoration of the property with dirt and sod grass. .
6. The common asset water main in front of Crabby Joe's in Essex, ON has been repaired after a break on April 27, 2016. Windsor Essex County Health Unit issued a boil water advisory to the immediate area due to the nature of the break. This boil water advisory was lifted on April 30, 2016.
 7. Low Lift pump #3 has been rehabilitated and was put back in service on May 20th.
 8. Master Meter replacements: Meters #9, #26 and #11 have been replaced. The new meters will allow for installation of communication systems to report information directly to the treatment plant.
 9. High Lift Pump #3 was rehabilitated and was re-installed the week of May 30th, 2016. The pump is currently being disinfected in accordance to regulations and protocols and should be back in service the week of June 13th.
 10. Weekly sampling of raw and treated water for microcystin for the Ontario Drinking Water Information System (DWIS) program was initiated on June 6, 2016. UWSS also initiated its own yearly cyanobacteria monitoring program on that day. Both sampling programs will continue until early November 2016.

Comparative Flows for 2012 through 2016 in Millions of Imperial Gallons (for the period 1 January to June 9, 2016)

	2012	2013	2014	2015	2016
Flow to Date (MG)	1348.76	1252.49	1331.93	1266.01	1280.62
Max Day (MGD)	14.38	14.01	13.49	12.75	15.32
Min Day (MGD)	4.37	4.65	4.19	3.79	4.29
Average Day (MGD)	8.38	7.83	8.32	7.91	7.95
No of Days	161	160	160	160	161

Flows to date are up 14.61 MIG or 1.15% from last year. The 2016 flows to date are 1.47% below the previous 4 year average.

Recommendation:

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

June 9, 2016 - UW/16/16

Re: Status Update of UWSS Operations & Maintenance Activities and Capital Works
to June 9, 2016

Respectfully submitted,



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

rb/kmj

Filename: t:\union wtr\reports to board\2016\uw16-16 operations report for may june 2016.docx

UW/17/16

Report

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

From: Rodney Bouchard, Union Water Manager

Date: June 8, 2016

Re: Proposed Purchase of Portable Backup Generator



Recommendation:

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

That the UWSS Board authorizes the UWSS General Manager to enter into an agreement with Phasor Industrial of Kingsville, ON for the purchase and set up of a 350-400KW capable portable backup generator.

Background:

As part of the 2016 UWSS capital budgeting process, OCWA operations staff and the UWSS General Manager identified the need for a portable backup generator that would be able to operate a low lift pump, high lift pump or Cottam booster pump up to 250HP in case an issue arose during a power outage and/or stationary backup generator failure. This generator would also have to be capable of temporarily replacing the treatment plant backup Generator A, which is the backup power for all essential components (i.e. SCADA system, regulatory analyzers, lights). This need was identified as a result of recent major power system repairs/ upgrades that necessitated the use of large portable backup generator.

Further, this portable generator would also be available when needed for power failures and/or planned repairs at the Albuna, Essex, Kingsville, and Leamington towers.

The UWSS Board approved a budget of \$150,000 for this item in the 2016 UWSS Capital Budget.

Discussion:

The UWSS General Manager and OCWA operations/maintenance management staff requested quotes from three local companies that would be able to supply a portable trailer mounted diesel powered generator rated at 400kW @ 347/600 volt, 3-phase.

June 8, 2016 - UW/17/16

Re: Proposed Purchase of Portable Backup Generator

Comparative quotes were received from the following three local companies:

<u>Company Name:</u>	<u>Quote</u>
1. Phasor Industrial	\$118,825.00
2. CF Industrial	\$125,500.00
3. Lighthouse Electric	\$137,012.50

All three quotes received were within the approved budget of \$150,000 for this item. It should be noted that quotes identified above do not include costs for cables and connectors. Based on prices obtained from electrical suppliers, the cost of 100 feet of cabling and necessary connectors would be approximately \$2,750.

Based on the quotes received, the UWSS General Manager recommends that the portable backup generator be purchased from Phasor Industrial of Kingsville, ON. A copy of these quotes is appended to this report

Financial Impact:

A budget of \$150,000 has been approved as part of the 2016 UWSS Capital Budget for this item, which will be funded from UWSS capital reserves. The preferred quote was provided by Phasor Industrial in the amount of \$118,825.00. Total costs for purchase of the portable backup generator, purchase of cables and connectors, and setup of the equipment is approximately \$121,575.00, which is within the approved budget.

Respectfully submitted,

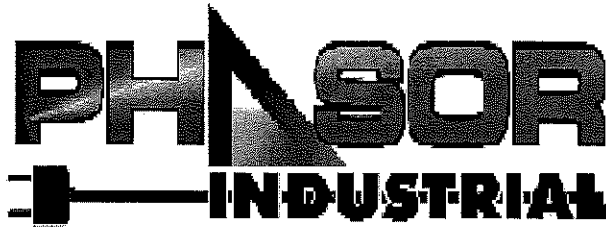


Rodney Bouchard, Manager
Union Water Supply System Joint Board of Management

rb/kmj

Attachments.

Filename: t:\union wtr\reports to board\2016\uw17-16 proposed purchase of portable backup generator.docx



ECRA/ESA LICENCE #7004323

QUOTATION

Phasor Industrial

P.O. BOX 129
 Kingsville, Ontario
 Ph. 519-733-4831
 FAX 519-733-3836

To: OCWA Union Water

DATE: January 30, 2016

QUOTE NO. E16-012

Att: Elvino

Ref: Portable generator

ITEM	QTY	DESCRIPTION	NET	EXTENDED PRICE
1	1	Diesel gen VolvoSilent 400Kw 400Kw 481amp Diesel genset @ 347/600v 3ph 60Hz @ 1800rpm with Volvo tier3 engine Gen-V digital engine control c/w safety shutdowns AC readings engine parameter display Main line breaker Thermostatically controlled engine heater 12vdc battery, rack, cables and charger Radiator cooled with pusher fan & belt guards Super critical silencer with flex installed in enclosure Signature sound attenuated weather protective enclosure Full load tested, -CSA approved, 2yr/3000hr warranty Scannable internet download manuals 1 site visit for startup during normal working hours Triple axle tank trailer Trailer / tank 24000lbs triple axle ** Canada** Channel style – DR Bed dimensions 235"x72" Tank 1797litres usable DW removable **IBC	\$118,285.00	\$118,285.00

		<p>Spring axles w/electric brakes 215/75/17.5 tires, safety chains w/slip hooks 3" pintle ring adjustable **HD** 20000lbs front jack, 7000lbs rear stabilizing jacks Diamond plate fenders DOT & Canada lighting & reflective tape **bulb** License plate holder w/light 7pin trailer plug Breakaway kit with charger</p> <p>Notes</p> <p>Additional features included 1./twin lineup of 400amp 5 plug Hubble power receptacle with single conductor mating cable ends supplied loose for customer supplied individual 4/0 portable cables 2./reverse receptacle on unit base for power supply to generator set block heater and battery charger 3./site testing is based unit tested with existing building load on a single site, unit full load resistive load bank test is at factory only 4./unit will run approximately 16hr on the fuel tank size included at the prime power rating</p> <p>Delivery 16-18 weeks</p>		
2	1	Optional 350Kw unit as above Delivery 10-12 weeks	\$108,285.00	\$108,285.00
3	1	4/0 DLO high flex single cable per meter	\$20.35	\$20.35
4	1	HBL400MBK male 2/0-4/0 plug any colour	\$53.90	\$53.90
5	1	HBL400FBK female 2/0-4/0 plug any colour	\$53.90	\$53.90
6	1	HBLMRSBK receptacle 1 pole male stud	\$57.48	\$57.48

HST	Included	<input type="checkbox"/>	Extra	<input checked="" type="checkbox"/>	PAYMENT TERMS	Net 30 days
DUTY	Included	<input type="checkbox"/>	Extra	<input type="checkbox"/>	SERVICE CHARGE	2%/month on balance
					QUOTE FIRM FOR:	30 Days
FOB	Kingsville		DELIVERY			
Phasor Industrial's TERMS AND CONDITIONS APPLY						

QUOTATION PROVIDED BY: Rob Brando

Lighthouse Electric
 Generator Sales & Service
 6714 Conc. 6 South
 Amherstburg, Ontario
 N9V 2Y8

Estimate

Date	Estimate #
2015-10-31	5534

Name / Address
Ontario Clean Water Agency 1615 Union Ave. box 340 Ruyhven Ont. NoP 1Go

Project

Description	Qty	Rate	U/M	Total
		0.00		0.00
supply one 400 KW unit for 250 HP. motor cw , trailer ,sound enclosure , day tank1797 liter, teir 3 347/ 600 volt	1	121,250.00		121,250.00
note fue lby others		0.00		0.00
ISUBTOTAL				121,250.00
GST On Sales		5.00%		0.00
HST (ON) on sales		13.00%		15,762.50
PST On Sales		8.00%		0.00
Total				\$137,012.50



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WE ARE PLEASED TO SUBMIT OUR QUOTATION FOR THE FOLLOWING:

Quote Sheet

DATE: JANUARY 13, 2016
 QUOTE NO.: GQ40911
 PROJECT: RUTHVEN OCWA PLANT
 EQUIPMENT: KOHLER 400REOZJB DIESEL POWERED GENERATOR
 SPECIFICATIONS: CF INDUSTRIAL

(1) Kohler 400REOZJB diesel powered generator set. Rated 400kW / 500kVA standby power at 1800RPM @ 347/600 volt, three phase. Complete with the following equipment:

ENGINE:

- John Deere
- 4 cycle, turbo-charged - intercooled, inline 6 cylinder
- Rated 602 BHP maximum @ 1800RPM
- EPA TIER 3 emissions

ALTERNATOR:

- 5M4272, 4 pole, rotating field
- Brushless permanent magnet alternator
- Designed to sustain short circuit current at 300% of rated current for up to 10 seconds

CONTROLLER:

- Kohler DEC 3000 digital generator controller
- Emergency stop button
- Pre-alarms, common fail alarm, run relay

ENCLOSURE:

- Kohler level-1 sound and weather enclosure
- Lockable hinged doors - keyed alike
- Critical grade exhaust silencer mounted internally
- Flexible exhaust to engine connection
- Exterior mounted cam-lock connection box

STANDARD FEATURES:

- 24V starting battery with drip trays
- 24V float-equalize battery charger with alarms
- 600A generator mounted electronic trip circuit breaker
- Isochronous electronic governor
- Air cleaner with restriction indicator
- Unit mounted radiator with low level indication alarms
- Integrated fuel cooler
- Stainless steel flexible fuel line connections
- CSA approval
- Battery cables
- Integral vibration isolators
- Circulating block heater with thermostat (2500W - 240V -1ph)
- 1 set of operation manuals
- 1 year Kohler comprehensive warranty
- On-site start-up & commissioning

TRAILER:

- Global Power Components Tri-Axle Trailer with integral 375 Gallon Fuel Cell
- 6700lbs Torflex Axle
- Electric Brakes
- Electric Breakaway Kit
- Tongue Mounted Cable Box
- (2) Safety Chains
- 7000lbs Tongue Jack
- (2) 7000lbs Rear Stabilizer Jack

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Quote Sheet

- 1/2" Supply/Return Dip Tube Package (2" NPT)
- Low Level Alarm (2" NPT, Set at 50%)
- Rochester Fuel Level Gauge (2" NPT, Swing Arm)
- 2" DOT Vented Fill Cap
- DOT Lighting Package
- (2) 5/16" Adjustable Coupler
- Adjustable Lunette Eye Coupler
- 7 Pin Trailer Plug
- (2) Extra Fitting w/Plug (2 NPT")
- Black-Gloss Paint Color Gloss Black
- Install Trailer Mount Generator Set to Trailer and Install Fuel Lines
- Trailer Dimensions: 197"L + 54"L tongue x 84"W x 29"H

TOTAL PRICE: \$125,500.00

NOTES:

- *APPLICABLE TAXES ARE EXTRA*
 - *ALL EXTERNAL WIRING AND MECHANICAL CONNECTIONS - BY OTHERS*
 - *INITIAL FILL OF DIESEL & FUEL FOR TESTING - BY OTHERS*
 - *FUEL CONSUMPTION OF THE GENERATOR IS 116 LPH @ 100% LOAD*
 - *QUOTE VALID FOR 30 DAYS*
-

Authorized Dealer of
KOHLER
POWER SYSTEMS

UW/18/16

Report

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

From: Rodney Bouchard, Union Water Manager

Date: June 8, 2016

Re: Proposed New Storage Structure at Treatment Plant Property



Recommendation:

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

That the UWSS Board approves a budget of \$40,000, to be funded through UWSS capital reserves, for the construction of a new 32ft wide by 40ft long pole barn structure at the Ruthven Water Treatment Plant property.

Background:

As part of a recent review of available equipment storage space at the Ruthven Water treatment plant facility, the UWSS General Manager and OCWA operations and maintenance management staff have identified a need for additional equipment storage space.

Currently, most of the equipment used for UWSS facilities, such as the newer front loader tractor, small tractor, lawn tractors, watermain repair related equipment, etc. is stored in the existing 2,400 square ft metal sided pole barn. Space is generally less of an issue in the summer months were some heavy equipment can remain outdoors. However, space is definitely an issue during the winter months and the result is that the existing pole barn becomes extremely crowded and it is difficult to maneuver equipment around.

In light of this situation, UWSS and OCWA operations staff have identified that a new pole barn structure approximately half the size of the existing structure would alleviate the existing equipment storage situation. Further, the proposed purchase of a new trailer-mounted portable backup generator (refer to UWSS report UW/17/16 dated June 8, 2016) would exacerbate the equipment storage situation; as such, a new structure would be needed to store the portable trailer-mounted generator.

June 8, 2016 - UW/18/16

2

Re: Proposed New Storage Structure at Treatment Plant Property

Discussion:

The UWSS General Manager and OCWA operations/maintenance management staff requested and received preliminary cost estimates from local companies that specialize in the construction of pole barns. These preliminary cost estimates were generated for a pole barn building with the following dimensions and details:

- 32 ft wide, 44 ft long and 14ft 4in high;
- 6in x 6in treated posts with concrete pad footings;
- High tensile steel cladding on walls and roof;
- Polycarbonate panel strip along entire back wall for additional lighting;
- Three (3) 12ft by 12ft 6in sectional overhead doors;
- Three (3) 3ft by 7ft steel passage doors with keylock;

The cost estimates received ranged in price from \$33,000 to \$37,000.

Financial Impact:

A budget of \$40,000 is being requested from the UWSS Board for this project. The budget would be funded from the UWSS capital reserves. Sufficient funds are available in the UWSS reserves to fund this project.

Respectfully submitted,



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

Filename: t:\union wtr\reports to board\2016\uw18-16 proposed new pole barn structure.docx

UW/19/16

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

From: Rodney Bouchard, Union Water Manager

Date: June 10, 2016

Re: Payments for the UWSS from April 13 to June 10, 2016



Aim:

To provide the Board with a copy of payments made by the Union Water Supply System from April 13 to June 10, 2016.

Recommendation:

For information purposes.

Respectfully submitted,



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

rb/kmj

Filename: t:\union wtr\reports to board\2016\uw19-16 payments from april to june 2016.docx



Vendor : 001410 To PT00000086
 Batch : All
 Department : All

Cheque Print Date : 11-Apr-2016 To 14-Apr-2016
 Bank : 01 To 07
 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								
030515 CUETS FINANCIAL								
LUCKY CHOP- BUSINESS LUNCH - OPERATION MGR						250 08-Mar-2016	14-Apr-2016	
70-5-0700-7052	002070				Meeting Expenses			24.84
70-5-0700-7052	002070				Meeting Expenses			3.50
070160 GREEN SHIELD CANADA								
APR-16 JAN-APR ADJUSTMENTS						166 14-Apr-2016	14-Apr-2016	
70-5-0700-5203	002000				Extended Health			16.74
70-5-0700-5203	002000				Extended Health			50.22
080250 HYDRO ONE NETWORKS INC								
200141682009 FEB/16 HYDRO - ALBUNA WATER TOWER						250 01-Apr-2016	14-Apr-2016	
70-5-0700-7420	002073				Electricity			1,981.61
70-5-0700-7420	002073				Electricity			24.41
200141683120 FEB/16 HYDRO - METER #5						250 01-Apr-2016	14-Apr-2016	
70-5-0700-7420	002073				Electricity			51.50
70-5-0700-7420	002073				Electricity			0.71
200141687665 FEB/16 HYDRO - METER #21						250 05-Apr-2016	14-Apr-2016	
70-5-0700-7420	002073				Electricity			227.51
200141690190 MAR/16 HYDRO - METER #26						250 08-Apr-2016	14-Apr-2016	
70-5-0700-7420	002073				Electricity			97.59
Department Totals :								2,478.63



Vendor : 001410 To PT00000086
 Batch : All
 Department : All

Cheque Print Date : 18-Apr-2016 To 25-Apr-2016
 Bank : 01 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					
010076 ALL GOOD CONSTRUCTION					
OC041616	POLE BARN ROOF	254	16-Apr-2016	21-Apr-2016	
70-7-0700-8745	700020 Treatment Plant				7,395.85
050154 EARTH HOLDINGS INC					
EHJI007520	METER #19	254	31-Mar-2016	21-Apr-2016	
70-7-0700-8750	002205 Watermains				8,206.85
080250 HYDRO ONE NETWORKS INC					
200141677460	MAR/16 RUTHVEN WTP	254	08-Apr-2016	21-Apr-2016	
70-5-0700-7420	002073 Electricity				55,871.88
200141680692	MAR/16 LOW LIFT	254	08-Apr-2016	21-Apr-2016	
70-5-0700-7420	002073 Electricity				23,966.44
120260 LEAMINGTON GLASS LTD					
20025348	WINDOW REPLACEMENT	254	08-Apr-2016	21-Apr-2016	
70-7-0700-8745	700020 Treatment Plant				7,566.60
20025349	WINDOW REPLACEMENTS	254	08-Apr-2016	21-Apr-2016	
70-7-0700-8745	700020 Treatment Plant				7,566.60
20025350	WINDOW REPLACEMENTS	254	08-Apr-2016	21-Apr-2016	
70-7-0700-8745	700020 Treatment Plant				4,375.51
20025351	WINDOW REPLACEMENTS	254	08-Apr-2016	21-Apr-2016	
70-7-0700-8745	700020 Treatment Plant				8,652.91
130360 METCON SALES & ENGINEERING LTD					
058799	ZEBRA MUSSEL CONTROL PUMP	254	13-Apr-2016	21-Apr-2016	
70-7-0700-8735	700120 Low Lift Station				3,539.16
190755 SUN LIFE ASSURANCE COMPANY OF CANADA					
APR-16	UNION WATER LOAN 3724:1	254	01-Apr-2016	21-Apr-2016	
70-5-0700-6000	002020 006901 Debenture Principal				48,344.61
70-5-0700-6100	002010 006901 Debenture Interest				133,741.76
190990 SYNTEC PROCESS EQUIPMENT					
0084285-IN	FILTERS #2 & 4	254	14-Mar-2016	21-Apr-2016	
70-7-0700-8730	700012 Filters				9,166.84
70-7-0700-8730	700014 Filters				9,166.85
210120 UNION GAS LTD					
MAR-APR16 1613-977.218M3	- COTTAM BOOSTER STATION	254	12-Apr-2016	21-Apr-2016	
70-5-0700-7410	002073 Gas				282.89
Department Totals :					327,844.75



Vendor : 001410 To PT00000086
 Batch : All
 Department : All

Cheque Print Date : 26-Apr-2016 To 28-Apr-2016
 Bank : 01 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					
020120 BELL MOBILITY CELLULAR					
514877178-AP	MONTHLY CELL PHONES	M999	01-Apr-2016	28-Apr-2016	
70-5-0700-7110	002070 002083 Telecommunications Usage				25.99
514877178-MA	MONTHLY CELL PHONES	M999	01-Mar-2016	28-Apr-2016	
70-5-0700-7110	002070 002083 Telecommunications Usage				50.85
200348 CORPORATION OF THE TOWN OF KINGSVILLE					
G580	SCHILLER DRAIN	280	11-Mar-2016	28-Apr-2016	
70-7-0700-8750	002202 Watermains				27,102.00
050095 EMCO WW WINDSOR					
38600503-00	METER #9 & 26 - FLANGES, MAIN STOPS, ETC	280	08-Apr-2016	28-Apr-2016	
70-7-0700-8750	002205 Watermains				3,099.27
080250 HYDRO ONE NETWORKS INC					
200152134969	APR/16 HYDRO - METER#17	280	20-Apr-2016	28-Apr-2016	
70-5-0700-7420	002073 Electricity				39.98
160280 PHASOR INDUSTRIAL					
15635	PUMP #3 - CBS	280	29-Mar-2016	28-Apr-2016	
70-7-0700-8725	700050 Cottam Booster Station				3,233.78
990644 PRO-BID CONTRACTORS LTD					
1726	REPAIR WATERMAIN - GRAHAM & 11TH CONC	280	08-Apr-2016	28-Apr-2016	
70-7-0700-8750	002202 Watermains				5,321.86
210120 UNION GAS LTD					
MAR-APR16 14	12908.389M3 GAS - RUTHVEN WTP	280	21-Apr-2016	28-Apr-2016	
70-5-0700-7410	002073 Gas				3,507.00
990167 UNIVERSITY OF WINDSOR					
JUN22-23	ADVERTISING - SMART METER PROJECT	280	27-Apr-2016	28-Apr-2016	
70-5-0700-7130	002070 Advertising & Promotion				5,000.00
Department Totals :					47,380.73



Vendor : 001410 To PT00000088
 Batch : All
 Department : All

Cheque Print Date : 02-May-2016 To 06-May-2016
 Bank : 01 To 07
 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				
050195	ESSEX POWERLINES CORPORATION				
220651-MAR16	3-16KWH - METER#4	304	25-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				63.03
080250	HYDRO ONE NETWORKS INC				
200141680894	MAR/16 HYDRO - LEAM. WATER TOWER	304	29-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				486.89
200141681706	MAR/16 HYDRO - METER#2	304	27-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				63.06
200141682009	MAR/16 HYDRO - ALBUNA WATER TOWER	304	29-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				1,904.87
200141683019	MAR/16 HYDRO - METER#3	304	29-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				44.52
200141683120	MAR/16 HYDRO - METER#5	304	29-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				44.19
200141683423	MAR/16 HYDRO - METER#6	304	29-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				44.05
200141683524	MAR/16 HYDRO - METER#8	304	27-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				41.64
200141683726	MAR/16 HYDRO - METER#15	304	25-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				34.31
200141687362	MAR/16 HYDRO - METER#22	304	27-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				35.93
200141687564	MAR/16 HYDRO - METER#25	304	21-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				34.18
200141687766	MAR/16 HYDRO - METER#29	304	27-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				39.34
200141687867	MAR/16 HYDRO - METER#24	304	27-Apr-2016	05-May-2016	
70-5-0700-7420	002073 Electricity				34.22
130360	METCON SALES & ENGINEERING LTD				
058865	turbidity analyzers	304	22-Apr-2016	05-May-2016	
70-7-0700-8730	700011 Filters				4,809.28
70-7-0700-8730	700014 Filters				4,809.28
990644	PRO-BID CONTRACTORS LTD				
1725	METER PIT - CULL&HERITAGE	304	30-Mar-2016	05-May-2016	
70-7-0700-8750	002205 Watermains				2,792.17
190165	SEWER MAINTENANCE SERVICES				
16037763	BROKEN WATERMAIN - CTY RD 34 & 23	304	31-Mar-2016	05-May-2016	
70-7-0700-8750	002030 Watermains				995.81
210120	UNION GAS LTD				
MAR-APR16 U	1194.543M3 GAS - LOW LIFT	304	25-Apr-2016	05-May-2016	
70-5-0700-7410	002073 Gas				339.80
Department Totals :					16,616.57



Vendor : 001410 To PT00000088
 Batch : All
 Department : All

Cheque Print Date : 12-May-2016 To 13-May-2016
 Bank : 01 To 07
 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					
030515 CUETS FINANCIAL					
CAT&THE FIDI MEAL - BUS.MTG. W/FLEMING COLLEG STAFF		311	31-Mar-2016	12-May-2016	
70-5-0700-7030 002070 002001 Travel & Mileage					48.50
70-5-0700-7030 002070 002001 Travel & Mileage					8.73
DAYS INN#400 ROOM - ADV.WATER TREATMENT COMM.MTG.		311	01-Apr-2016	12-May-2016	
70-5-0700-7030 002070 002002 Travel & Mileage					137.25
PUMP HOUSE MEALS - BUS.MTG.-UNIV. OF TORONTO		311	12-Apr-2016	12-May-2016	
70-5-0700-7030 002070 002001 Travel & Mileage					98.29
STAPLES-278C HOLE PUNCH, INDEX CARDS, TAPE		311	27-Apr-2016	12-May-2016	
70-5-0700-7010 002070 002060 Office Supplies					26.56
SUPERSTORE KLEENEX		311	27-Apr-2016	12-May-2016	
70-5-0700-7010 002070 002060 Office Supplies					6.76
TO.AIRPORT H ROOM - MTG W/MINISTRY OF ENVIRONMENT		311	07-Apr-2016	12-May-2016	
70-5-0700-7030 002070 002002 Travel & Mileage					111.87
70-5-0700-7030 002070 002001 Travel & Mileage					44.08
TORONTO PAF PARKING - MTG W/MINISTRY OF ENVIRONMENT		311	07-Apr-2016	12-May-2016	
70-5-0700-7030 002070 002009 Travel & Mileage					13.00
VETS TAXI-257 TAXI - ADV.WATER TREATMENT COMM. MTG.		311	31-Mar-2016	12-May-2016	
70-5-0700-7030 002070 002009 Travel & Mileage					13.50
VETS TAXI-255 TAXI - ADV.WATER TREATMENT COMM. MTG		311	31-Mar-2016	12-May-2016	
70-5-0700-7030 002070 002009 Travel & Mileage					12.90
WATERSIDE IN ROOM - UNIV. OF TORONTO TECH/RESEARCH		311	13-Apr-2016	12-May-2016	
70-5-0700-7030 002070 002002 Travel & Mileage					157.06
050003 E.L.K. ENERGY INC					
40010915-MAF 1742KWH - ESSEX WATER TOWER		311	01-May-2016	12-May-2016	
70-5-0700-7420 002073 Electricity					270.75
40047150-MAF 278KWH - METER#9		311	01-May-2016	12-May-2016	
70-5-0700-7420 002073 Electricity					58.83
90006300-MAF 17382KWH - COTTAM BOOSTER STN		311	01-May-2016	12-May-2016	
70-5-0700-7420 002073 Electricity					3,286.69
080250 HYDRO ONE NETWORKS INC					
200141687665 MAR/16 HYDRO - METER#16		311	03-May-2016	12-May-2016	
70-5-0700-7420 002073 Electricity					181.99
200141690190 APR/16 HYDRO - METER#26		311	06-May-2016	12-May-2016	
70-5-0700-7420 002073 Electricity					89.17
150365 ONTARIO CLEAN WATER AGENCY					
INV000085349 APR/16 OPER&MTCE		311	30-Apr-2016	12-May-2016	
70-5-0700-6720 002071 OCWA Operating Contract					219,455.51
190755 SUN LIFE ASSURANCE COMPANY OF CANADA					
MAY-16 UNION WATER LOAN 3724:1		311	01-May-2016	12-May-2016	
70-5-0700-6000 002020 006901 Debenture Principal					71,530.27
70-5-0700-6100 002010 006901 Debenture Interest					133,316.90
230710 WOLSELEY CANADA INC					
4198220 12" HYMAX COUPLING - GRAHAM & 11TH		311	11-Apr-2016	12-May-2016	
70-7-0700-8750 002202 Watermains					1,687.95
4236322 GATE VALVE&BOX, RESTRAINERS, PVC PIPE, ETC		311	22-Apr-2016	12-May-2016	
70-7-0700-8750 002202 Watermains					8,564.35
Department Totals :					439,120.91



Vendor : 001410 To PT00000083
 Batch : All
 Department : All

Cheque Print Date : 19-May-2016 To 20-May-2016
 Bank : 01 To 07
 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	APR/16 RUTHVEN WTP	326	06-May-2016	19-May-2016	
70-5-0700-7420	002073 Electricity				57,636.00
200141680692	APR/16 LOW LIFT	326	06-May-2016	19-May-2016	
70-5-0700-7420	002073 Electricity				27,761.92
990644 PRO-BID CONTRACTORS LTD					
1738	12" WATERMAIN BREAK 346 TALBOT RD ESSEX	326	02-May-2016	19-May-2016	
70-7-0700-8750	002203 Watermains				11,206.80
1739	METER #3 (OAK ST)	326	06-May-2016	19-May-2016	
70-7-0700-8750	002205 Watermains				23,592.09
190165 SEWER MAINTENANCE SERVICES					
16047800	GRAHAM & 11TH WORK ORDER #13662	326	20-Apr-2016	19-May-2016	
70-7-0700-8750	002202 Watermains				1,204.86
210120 UNION GAS LTD					
APR-MAY16 1€	4-693.445M3 - COTTOM BOOSTER STATION	326	11-May-2016	19-May-2016	
70-5-0700-7410	002073 Gas				207.60
Department Totals :					121,609.27

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



AP5130

Page : 21

Date : May 26, 2016

Time : 11:08 am

Vendor : 001410 To PT00000089
 Batch : All
 Department : All

Cheque Print Date : 26-May-2016 To 26-May-2016
 Bank : 01 To 07
 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					
040045 DELL CANADA INC					
1012126693	SCADA - DELL SERVER				
70-7-0700-8780	SCADA System		334 18-Mar-2016	26-May-2016	7,711.11
080250 HYDRO ONE NETWORKS INC					
200141687564	APR/16 HYDRO - METER#25				
70-5-0700-7420	002073 Electricity		334 19-May-2016	26-May-2016	34.18
200152134969	MAY/16 HYDRO - METER#17				
70-5-0700-7420	002073 Electricity		334 18-May-2016	26-May-2016	37.20
210120 UNION GAS LTD					
APR-MAY16 1€	3908.382M3 GAS - RUTHVEN WTP				
70-5-0700-7410	002073 Gas		334 20-May-2016	26-May-2016	1,122.51
230060 WATECH SERVICES INC					
3355	CHLORINE LINE INSTALLATION				
70-7-0700-8735	700120 Low Lift Station		334 16-May-2016	26-May-2016	71,642.00
3356	CHLORINE LINE INSTALLATION - EXTRA				
70-7-0700-8735	700120 Low Lift Station		334 16-May-2016	26-May-2016	19,243.90
Department Totals :					99,790.90



Vendor : 001410 To PT00000089
 Batch : All
 Department : All

Cheque Print Date : 30-May-2016 To 02-Jun-2016
 Bank : 01 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	APR/16 HYDRO - METER#2	351	27-May-2016	02-Jun-2016	
70-5-0700-7420	002073 Electricity				57.51
200141683524	APR/16 - METER#8	351	27-May-2016	02-Jun-2016	
70-5-0700-7420	002073 Electricity				39.56
200141683726	APR/16 - METER#15	351	24-May-2016	02-Jun-2016	
70-5-0700-7420	002073 Electricity				34.18
200141687362	APR/16 - METER#22	351	27-May-2016	02-Jun-2016	
70-5-0700-7420	002073 Electricity				35.83
200141687766	APR/16 - METER#29	351	27-May-2016	02-Jun-2016	
70-5-0700-7420	002073 Electricity				38.28
200141687867	APR/16 - METER#24	351	27-May-2016	02-Jun-2016	
70-5-0700-7420	002073 Electricity				34.22
190165 SEWER MAINTENANCE SERVICES					
16057823	WATERMAIN BREAK	351	16-May-2016	02-Jun-2016	
70-7-0700-8750	002203 Watermains				2,409.73
190990 SYNTEC PROCESS EQUIPMENT					
0085098-IN	CHLORINE LINE	351	17-May-2016	02-Jun-2016	
70-7-0700-8735	700120 Low Lift Station				434.38
210120 UNION GAS LTD					
APR-MAY16 UI	502.668M3 GAS - LOW LIFT	351	25-May-2016	02-Jun-2016	
70-5-0700-7410	002073 Gas				157.47
230420 WILL INSURANCE BROKERS LTD					
0565101	INSURANCE - JUN29/16 - JUN29/17	351	11-May-2016	02-Jun-2016	
70-5-0700-7140	002070 Insurance - Liability				7,268.40
Department Totals :					10,509.56



Vendor : 001410 To PT00000089

Batch : All

Department : All

Cheque Print Date : 30-May-2016 To 02-Jun-2016

Bank : 01 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 0071					Prepaid Expenses			
230420					WILL INSURANCE BROKERS LTD			
0565101					INSURANCE - JUN29/16 - JUN29/17	351 11-May-2016	02-Jun-2016	
70-1-0071-0075					Prepaid Expenses			7,268.40
Department Totals :								7,268.40



Vendor : 001410 To PT00000092
 Batch : All
 Department : 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					
010094 ASL ROTEQ LTD					
4186	HIGH LIFT PUMP #3 - REHAB	361	31-May-2016	09-Jun-2016	
70-7-0700-8740	700051 Pumps				31,035.45
010103 ASSOCIATED ENGINEERING (ONT) LTD					
520933	COAGULANT STUDY - BENCH TESTING	361	14-Apr-2016	09-Jun-2016	
70-5-0700-7989	002070 Operational Programs & Studies				19,718.50
521118	MICROSTRAINER - FLOOR COVERS	361	19-May-2016	09-Jun-2016	
70-5-0700-7950	002070 002401 Professional Services				3,266.27
521124	COAGULANT STUDY - BENCH TESTING	361	19-May-2016	09-Jun-2016	
70-5-0700-7989	002070 Operational Programs & Studies				4,659.56
050003 E.L.K. ENERGY INC					
40010915-APR	1726KWH - ESSEX WATER TOWER	361	01-Jun-2016	01-Jun-2016	
70-5-0700-7420	002073 Electricity				269.64
40047150-APR	314KWH - METER#9	361	01-Jun-2016	09-Jun-2016	
70-5-0700-7420	002073 Electricity				64.67
90006300-APR	18161KWH - COTTAM BOOSTER	361	01-Jun-2016	09-Jun-2016	
70-5-0700-7420	002073 Electricity				3,926.75
050195 ESSEX POWERLINES CORPORATION					
220651-APR16	16KWH - METER#4	361	30-May-2016	09-Jun-2016	
70-5-0700-7420	002073 Electricity				60.64
080250 HYDRO ONE NETWORKS INC					
200141680894	APR/16 HYDRO - LEAMINGTON WATER TOWER	361	31-May-2016	09-Jun-2016	
70-5-0700-7420	002073 Electricity				582.41
200141682009	APR/16 HYDRO - ALBUNA WATER TOWER	361	30-May-2016	09-Jun-2016	
70-5-0700-7420	002073 Electricity				1,273.20
200141683019	APR/16 HYDRO - METER#3	361	30-May-2016	09-Jun-2016	
70-5-0700-7420	002073 Electricity				41.05
200141683120	APR/16 HYDRO - METER#5	361	30-May-2016	09-Jun-2016	
70-5-0700-7420	002073 Electricity				41.98
200141683423	APR/16 HYDRO - METER#6	361	30-May-2016	09-Jun-2016	
70-5-0700-7420	002073 Electricity				40.99
200141687665	APR/16 HYDRO - METER#16	361	01-Jun-2016	09-Jun-2016	
70-5-0700-7420	002073 Electricity				103.20
130838 MUNICIPALITY OF LEAMINGTON					
530-17700 JUN	TAXES - LEAMINGTON WATER TOWER	361	07-Jun-2016	09-Jun-2016	
70-5-0700-6750	002072 Property Tax				1,499.46
150365 ONTARIO CLEAN WATER AGENCY					
INV000086168	MAY/16 OPER&MTCE	361	31-May-2016	09-Jun-2016	
70-5-0700-6720	002071 OCWA Operating Contract				219,455.51
180190 RICCI ENNS					
55486	LEGAL FEES - LWT	361	20-May-2016	09-Jun-2016	
70-5-0700-7950	002070 002400 Professional Services				180.07
190755 SUN LIFE ASSURANCE COMPANY OF CANADA					
JUN-16	UNION WATER LOAN 3724:1	361	01-Jun-2016	09-Jun-2016	
70-5-0700-6000	002020 006901 Debenture Principal				94,919.70
70-5-0700-6100	002010 006901 Debenture Interest				132,688.27