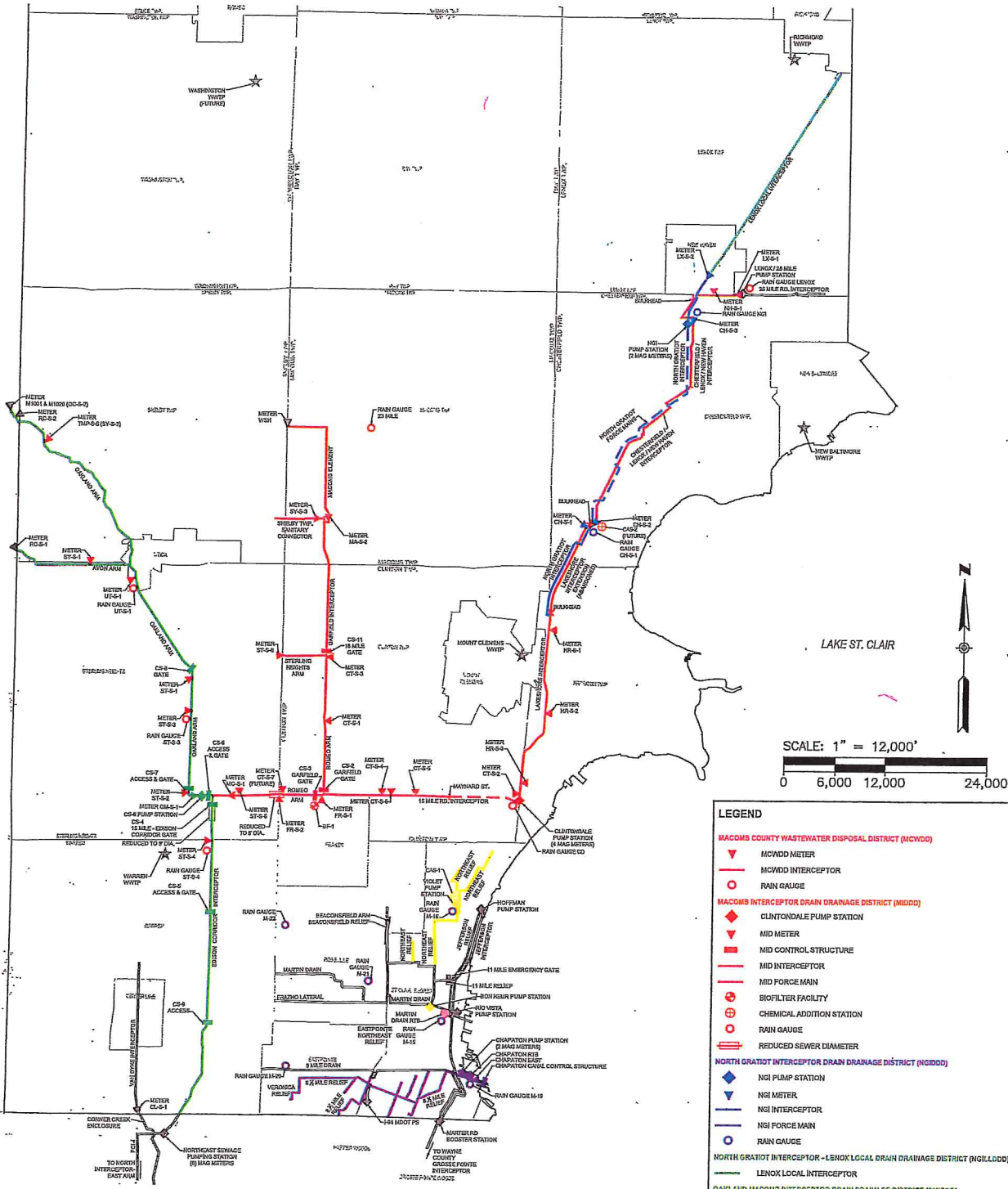


Miller
Santo
Klinefelt

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
DECEMBER 10, 2018
10:15 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for December 10, 2018	
3. Approval of Minutes for November 19, 2018	3
4. Public participation	
5. Project Updates – Vince Astorino	
6. Consideration for approval of invoices (see attached)	5
7. Financial Report – Bruce Manning	23
8. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



LEGEND	
	MACOMB COUNTY WASTEWATER DISPOSAL DISTRICT (MCWDD)
	MCWDD METER
	MCWDD INTERCEPTOR
	RAIN GAUGE
	MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIIDD)
	CLINTONDALE PUMP STATION
	MID METER
	MID CONTROL STRUCTURE
	MID INTERCEPTOR
	MID FORCE MAIN
	BIOFILTER FACILITY
	CHEMICAL ADDITION STATION
	RAIN GAUGE
	REDUCED SEWER DIAMETER
	NORTH GRATIOT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NGIDD)
	NGI PUMP STATION
	NGI METER
	NGI INTERCEPTOR
	NGI FORCE MAIN
	RAIN GAUGE
	NORTH GRATIOT INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (NGILLDD)
	LENOX LOCAL INTERCEPTOR
	DAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)
	CS-6 PUMP STATION
	OMID METER
	OMID CONTROL STRUCTURE
	OMID INTERCEPTOR
	REDUCED SEWER DIAMETER
	1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT
	CHAPATON WEST PUMP STATION
	CHAPATON RETENTION TREATMENT BASIN
	CHAPATON CANAL CONTROL GATE
	1/2 MILE INTERCEPTOR
	RAIN GAUGE
	SEMICHONS INTERCEPTOR
	SEMICHONS PUMP STATION
	CHEMICAL ADDITION STATION
	SEMICHONS INTERCEPTOR
	MARTIN SANITARY DIVERSION DRAINAGE DISTRICT (MSDD)
	MARTIN DRAIN RETENTION TREATMENT BASIN
	OTHER SYSTEMS
	PUMP STATION
	METER
	WWTP
	INTERCEPTOR

Candice S. Miller
MACOMB COUNTY PUBLIC WORKS COMMISSIONER



An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on November 19, 2018, at 10:01 A.M.

PRESENT: Candice Miller, Chair
Bryan Santo, Member
Veronica Klinefelt, Member

ALSO PRESENT: Robert Leonetti, Macomb County Board of Commissioners; Harold Haugh, Commissioner-Elect; Karen Czernel, Deputy, Vincent Astorino, Operations and Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, P.E., Environmental Resources Manager, Bruce Manning, Financial Manager, Dan Heaton, Public Relations Manager, Tamara Keskeny, Manager Real Property, Anthony Lewis, Community Services Manager, Barbara Delecke, Administrative Services, Macomb County Public Works (MCPW)

The meeting was called to order by the Chair, Candice Miller. A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the agenda as presented.

Minutes of the meeting of October 15, 2018 were presented. A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

The meeting was opened to public participation, then closed, there being no comments from the public.

Request for Proposals (RFPs) on the 9 Mile Canal have been sent out. The design phase should begin in January 2019. An engineering support contract is out for bid for the Southeast Macomb Sanitary District for as-needed engineering services. The total residual chlorine pilot project has been completed and will be tested during the next wet-weather event.

Fishbeck, Thompson, Carr & Huber, Inc. (FTC&H) was selected to assist the department in acquiring State Revolving Funds (SRF) to construct the Chapaton Treatment Canal Upgrades and 8 ½ Mile Relief Drain In-System Storage with Board approval.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the award of contract to FTC&H to prepare a SRF Project Plan, for a not-to-exceed amount of \$25,000.

Adopted: YEAS: 3
NAYS: 0

A motion was made by Ms. Klinefelt, supported by Mr. Santo to receive and file the project

updates given by Mr. Astorino.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$295,005.80 to the board for review and approval.

A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the invoices as presented.

Adopted: YEAS: 3
NAYS: 0

A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo and supported by Ms. Klinefelt.

Adopted: YEAS: 3
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Ms. Klinefelt, that the meeting of the Eight and One-Half Mile Relief Drain Board be adjourned.

Adopted: YEAS: 3
NAYS: 0

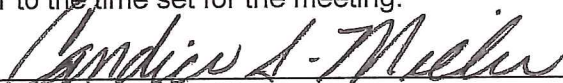
The meeting was adjourned at 10:18 a.m.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on November 19, 2018 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 11/19/18

9526.bd

EIGHT AND ONE-HALF MILE RELIEF DRAIN - 12/10/18

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
8 1/2 Mile Relief	Chapter 20 State of MI - 16.04% County of Macomb - 2.25% Dept. of Roads - 2.25% Eastpointe - 54.33% St. Clair Shores - 25.13%	Astorino	DE-CAL, Inc.	\$ 997.00	Invoice #WO18001051 - 11/9/18	3rd Quarter PM on HVAC	
		Astorino	DE-CAL, Inc.	\$ 1,333.00	Invoice #WO18250921 - 10/30/18	Repaired HVAC in Lab	
		Astorino	DE-CAL, Inc.	\$ 3,755.00	Invoice #WO18250301 - 11/20/18	Repaired HVAC at Aeration Building	
		Astorino	DTE Energy	\$ 7,451.43	Monthly Electric - 10/9/18 - 11/7/18		
		Astorino	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 1,843.00	Invoice #378839 - 11/12/18	Chapaton Canal Expansion Project - RFP Design	
		Astorino	Green for Life	\$ 688.70	Invoice #RS0002702883 - 11/18/18	Wet Well Cleaning	
		Astorino	Kone, Inc.	\$ 791.37	Invoice #959087474 - 11/1/18	Quarterly Elevator Maintenance	
		Astorino	Macomb Interceptor Drain	\$ 1,948.93	Invoice #P18-95 - 11/27/18	Personnel Reimbursement - 10/6/18 - 11/2/18	
		Astorino	Macomb Interceptor Drain	\$ 873.63	Invoice #P18-114 - 11/30/18	Personnel Reimbursement - 11/3/18 - 11/30/18	
		Astorino	Motor City Electric Technologies, Inc.	\$ 1,448.37	Invoice #92176 - 11/20/18	Purchase Dell Soniewall/VFN License	
		Astorino	SunSource	\$ 666.94	Invoice #5118721-00	Filter Elements for Hydraulic System "B"	
		Astorino	TREMCO	\$ 2,250.00	Invoice #95438137 - 11/14/18	Roof Warranty - Chapaton West, East & Service Garage	
					\$ 24,047.37		



DE-CAL, Inc.
 24659 Schoenherr Rd.
 Warren, MI 48089-4775
 Service Phone: 586-619-0281
 Service Fax: 586-486-5242

Service Invoice
Invoice #: WO18001051
Date: 11/09/2018

Billed To: Macomb County Chapaton
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080
 Attn: Accounts Payable

Location: Macomb Chapaton Pumping
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080

Client PO#:	Employee: Cliff Wilkerson	Due Terms: 30DY
--------------------	----------------------------------	------------------------

Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	997.000000	997.00	N

Notes:
 See work order for details

De-Cal Service Group is a division of De-Cal, Inc.

Please Make Checks Payable to: De-Cal, Inc.

Thank you for your prompt payment!

Amount Due: \$	997.00
-----------------------	---------------

Service Report



Service Report No : 900-18-105-3-1

Date: September 27, 2018

Client P.O. #: N/A

HVAC Service

Ready to Invoice/Work Complete

Site:

Chapton Station & Martin RTB
23001 E. 9 Mile Rd., St. Clair Shores , MI ,

Client:

Macomb County Chapton
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

3rd Quarter PM

Description of Service:

performed preventive maintenance, on all H.V.A.C. equipment,

east bldg: checked operation of 6 gas fired unit hrs, 3 electric wall unit hrs, and 2 furnaces

notes: GUH#1 needs combustion mtr. also needs flue replaced

GUH#4 needs combustion mtr. also needs flue replaced

GUH#3 needs flue replaced

Hot water heater flue is pitched in wrong way needs to be shorten on HWH end

west bldg: checked operation of 9 gas fired radiant hrs on pump mtr flr, 3 air handlers for office, control rm, and sleeping qtrs., 1 RTU for lab, checked operation of boiler, retarted, checked loop temp., and pump operation, checked 1- make up air unit

notes: lab unit has bad blr mtr, started repair on unit, w/o #925-18-029

need to quote all repairs, and get to Pete and Greg

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Sep 27, 2018	3	0
Cliff Wilkerson	Sep 28, 2018	5.5	0



DE-CAL, Inc.
 24659 Schoenherr Rd.
 Warren, MI 48089-4775
 Service Phone: 586-619-0281
 Service Fax: 586-486-5242

Service Invoice

Invoice #: WO18250291
 Date: 10/30/2018

Billed To: Macomb County Chapaton
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080

 Attn: Accounts Payable

Location: Macomb Chapaton Pumping
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080

Client PO#:	Employee: Cliff Wilkerson	Due Terms: 30DY
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Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	1,333.000000	1,333.00	N

Notes:
 See work order for details

De-Cal Service Group is a division of De-Cal, Inc.

Please Make Checks Payable to: De-Cal, Inc.
 Thank you for your prompt payment!

Amount Due: \$ 1,333.00

Service Report



Service Report No : 925-18-029-3

Date: October 05, 2018

Client P.O. #: N/A

HVAC Service

Ready to Invoice/Work Complete

Site:

Chapton Station & Martin RTB
23001 E. 9 Mile Rd., St. Clair Shores , MI ,

Client:

Macomb County Chapton
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

lab RTU not working

Description of Service:

Acquired parts. Located the lab unit and shut down. Removed the blower assembly and electric strip heat for access to motor. Blower wheel is frozen on the shaft. Cleaned and lubed, able to remove with a hub puller. Reinstalled the new motor. Reinstalled the strip heat and the entire assembly. Wired and checked operation. Lowered set point and confirmed cooling mode. OK.

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Dan Mosey	Oct 5, 2018	2.5	0.5



DE-CAL, Inc.
 24659 Schoenherr Rd.
 Warren, MI 48089-4775
 Service Phone: 586-619-0281
 Service Fax: 586-486-5242

Service Invoice

Invoice #: WO18250301
 Date: 11/20/2018

Billed To: Macomb County Chapaton
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080
 Attn: Accounts Payable

Location: Macomb Chapaton Pumping
 23001 E. 9 Mile Rd.
 St. Clair Shores MI 48080

Client PO#:	Employee: Cliff Wilkerson	Due Terms: 30DY
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Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		Quoted Price	1.0000	3,755.000000	3,755.00	N

Notes:
 Replace Venting

De-Cal Service Group is a division of De-Cal, Inc.
 Please Make Checks Payable to: De-Cal, Inc.
 Thank you for your prompt payment!

Amount Due: \$ 3,755.00



24659 Schoenherr Rd.
Warren, MI 48089
586.619.0281
586.754.4371 fax

PROPOSAL

Quote #P418141

10/22/2018

Chapaton Station

23001 E. 9 Mile Rd
St. Clair Shores, MI 48080

Attention: Pete Trombley
Project Name: Replace Venting

- Description of work -

- Provide all labor and material to
 - Install new single wall venting for GUH #1 , GUH #3 & GUH #4
 - Install new combustion motor assembly for GUH #1
 - Install new combustion motor assembly for GUH #4
 - Test operation of all new parts

Quotation: Valid for 30 days
Payment Terms: Net 30 days

- Warranty - All devices and equipment installed will be covered under their full MFG's warranty; we warranty all of our labor for 1 year from the date of install.

- Exclusions – Overtime & Any other service work above and beyond the scope of work.

The above work will be done in a safe and workmanlike manner for the sum of **\$3,755.00**

Upon Approval Please Sign and Return: Signature: _____
Date: _____

Respectfully submitted,

Nick Dawson

Service Manager & Controls Manager
(Office) 586-619-0281
(Cell) 810-941-2182
(E-Mail) ndawson@de-cal.com

Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. *This proposal does not constitute an agreement.

910000053785

00001932459 B



Payment Coupon

Account Number	910000053785
Due Date:	December 04, 2018
Total Due:	\$19,324.59

7451.43

18.604

MACOMB COUNTY
 MACOMB COUNTY DRAIN COMM
 21777 DUNHAM RD
 CLINTON TWP MI 48036-1005

Mail Payments to:
 DTE Energy
 P.O. Box 630795
 Cincinnati OH 45263-0795

Please detach and return coupon with account number on check. Agencies are not authorized to accept payment of this bill.

Account Information

MACOMB COUNTY
 MACOMB COUNTY DRAIN COMM
 21777 DUNHAM RD
 CLINTON TWP, MI 48036

Account Number	9100-0005-3785
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DTE-Energy Federal ID No.	38-3217752
---------------------------	------------

Programs you are enrolled in:

How to contact us:

Power Outage	See Detail Charges
Billing Inquiry	1-734-397-4309

Please make any inquiry or complaint about this bill to DTE Energy before the Due Date.
 DTE Energy is regulated by the Michigan Public Service Commission, Lansing, Michigan

Important Information

Your electric bill includes the Transitional Recovery Mechanism (TRM) surcharge, which was approved by the Michigan Public Service Commission to recover a portion of the costs associated with expanding our distribution system to serve former City of Detroit Public Lighting Department customers. This charge is effective for six months.



Detail Charges

For Service at: 23001 E 9 Mile Rd, St Clair Shores, MI 48082

Outage Contact Number: 1-313-235-1300

Invoice: 200011145047

Billing Period: 10/09/2018 through 11/07/2018

Days Billed: 30

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6321448	10/09	301.8A	11/07	307.0A	5.2	6,400.0000	33,280.0	P - In-V
6321448	10/09	376.8A	11/07	383.4A	6.6	6,400.0000	42,240.0	P - In-W
6321449	10/09	0.0A	11/07	0.0A	0.0	- 6400.0000	0.0	P - Out-W
6321449	10/09	0.8A	11/07	0.9A	0.1	- 6400.0000	640.0	P - Out-V
6321451	10/09	0.4A	11/07	0.4A	0.0	6,400.0000	0.0	P - In-V
6321451	10/09	0.4A	11/07	0.4A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							33,920.00	
Total KWH							42,240.00	

Invoice: 200011145047 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	241	KW	ESTABLISHED	11/07/2018	16:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	2246	KW	ESTABLISHED	10/01/2018	12:00
8	Highest Single Billing Demand	983	KW	ESTABLISHED	11/01/2018	23:30
A	Current PV High Monthly Demand	983	KW	ESTABLISHED	11/01/2018	23:30
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	4818	KW	ESTABLISHED	09/25/2018	22:30
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	79	PCT			
	Total Number of days in the Billing Period	30	DAYS			
	Avg Kilowatthours Used Per Day This Period	1408	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1788	KWH			
	kWh percentage change from a year ago	-21	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	42240	KWH			
	Net Inflow (In - Out)	42240	KWH			

Charges for 10/09/2018 through 11/07/2018

Power Supply Charges:

Power Supply Energy:						
Power Supply Energy Charge	42,240	KWH			Per Total KWH	0.00
Power Supply Capacity Charge	42,240	KWH	@ \$	0.0299700	Per Total KWH	1,265.93
Power Supply Non Capacity Charge	42,240	KWH	@ \$	0.0478000	Per Total KWH	2,015.07
Surcharges:						
Power Supply Cost Recovery Factor	42,240	KWH	@ \$	-0.0008700	Per Total KWH	- 36.75
Sub Total:						3,248.25

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	42,240	KWH	@ \$	0.0361400	Per Total KWH	1,526.55
Surcharges:						
Transitional Recovery Mechanism	42,240	KWH	@ \$	0.0013440	Per Total KWH	56.77
Nuclear Surcharge	42,240	KWH	@ \$	0.0007650	Per Total KWH	32.31
Energy Waste Reduction	2	MTR	@ \$	37.2200000		74.44
LIEAF Factor	2	MTR	@ \$	0.9300000		1.86
Sub Total:						1,703.18
Special Facilities Charge						2,500.00

Invoice Subtotal

7,451.43

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

7,451.43





Fishbeck, Thompson, Carr & Huber, Inc.
 engineers | scientists | architects | constructors
 Federal I.D. No. 38-1841857 | Incorporated

Payment Options

Remit Wire/ACH payments to Acct: 100094457 ABA: 072413829
 Remit checks to: 1515 Arboretum Drive, SE | Grand Rapids, Michigan 49546

Attention: Mr Vincent Astorino
Macomb County Public Works Commissioner
 21777 Dunham Road
 Clinton Township, MI 48036
 United States

Invoice : 378839
Invoice Date : 11/12/2018
Project : 130622
Project Name : Macomb Co PW/As-needed Assist
Bill Term : 1

For Professional Services Rendered Through 11/2/2018

	<u>Current</u> <u>Billings</u>
J - Macomb Co PW/SEMSD_Chapaton As Needed	1,843.00
Work included preparing the RFP for the Chapaton Canal Expansion Project	
Rate Labor 1,843.00	
	Current Billings 1,843.00
	Amount Due This Bill 1,843.00



6200 ELMRIDGE • STERLING HEIGHTS, MI 48313
 PHONE: 844-464-3587
 WWW.GFLUSA.COM

CUSTOMER NO. 422012
INVOICE NO. RS0002702883
INVOICE DATE 11/18/2018
DUE DATE 11/18/2018
TOTAL AMOUNT DUE **\$688.70**

BILL TO: MACOMB COUNTY PUBLIC WORKS
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP, MI 48036

AMOUNT OF REMITTANCE \$

0055475900000270288300422012000000000688706

DATE	DESCRIPTION	REFERENCE	RATE	QTY.	AMOUNT
	(0002) CHAPATON PUMP STATION 23001 E 9 MILE RD, ST CLAIR SHORES MI 48080 Serv #001 ROLLOFF WASTE TEMP 1 - 10YD				
16 - Nov	ROLLOFF SERVICE SAT FEE - 11/17/18	WO: 220845	\$125.000	1.00	\$125.00
17 - Nov	Switch W.O# 220845	PER ANTHONY	\$325.000	1.00	\$325.00
17 - Nov	Trash/Solid Waste - Roll Off Disposal Over = 2.00 TN	13-1067452	\$35.000/TN	6.82TN	\$238.70

CURRENT \$ 688.70	31 - 60 DAYS \$ 0.00	61 - 90 DAYS \$ 0.00	OVER 90 DAYS \$ 0.00	ACCOUNT TOTAL \$ 688.70
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INVOICE TOTAL \$688.70

INVOICE

107924 (02)



Invoice number: 959087474	Area Office: <u>KONE Inc., Federal</u>
Invoice Date: 11/01/2018	DETROIT - 190
Customer PO No:	11864 Belden Ct
KONE Order No: N40092539	Livonia MI 48150-1459
Billing Type: YMIO	Ph: 734-513-6944
Date work performed: 01/31/2019	Fax: 734-513-6948
Bill To: MACOMB COUNTY PUBLIC WORKS 23001 9 MILE RD SAINT CLAIR SHORES MI 48080-1576	Location/Project: VARIOUS LOCATIONS
Payment Terms: Net 10	

This invoice is for maintenance coverage per your agreement with KONE Inc.
Billing period is 11/01/2018 to 01/31/2019.

Contract# N40092539 CHAPATON RETENTION BASIN **624.78**
 CHAPATON RETENTION BASIN
 23001 9 MILE RD
 SAINT CLAIR SHORES MI 48080
 USA

Contract# N40092539 VIOLET PUMP STATION **166.59**
 VIOLET PUMP STATION
 30801 GREATER MACK AVE.
 SAINT CLAIR SHORES MI 48082
 USA

Subtotal \$ **791.37**

Total Invoice Amount \$ **791.37**

Invoices not paid within 30 days are subject to a service charge of 1.5% per month, or the maximum permitted by law

Please return this portion with your payment

PAYMENT ADVICE

We also accept VISA/Mastercard or EFT payments



Payer: MACOMB COUNTY PUBLIC WORKS 23001 9 MILE RD SAINT CLAIR SHORES MI 48080-1576	Invoice number: 959087474
	Invoice Date: 11/01/2018
	Customer Number: N273080
	KONE Order No: N40092539
	Area Office No: U190
	Billing Type: YMIO
Remit to: KONE Inc P O BOX 3491 CAROL STREAM, IL 60132-3491	Amount paid if different than invoice amount: \$
<i>Use this address for payments only. Direct calls and area correspondence to our area office above.</i>	INVOICE AMOUNT: \$ 791.37

MIDDD

Operation, Maintenance & Repair Reimbursement Work Order Project Report

Drain	8 1/2 Mile Relief Drain	Invoice Period	10/6/18 - 11/2/18
Account #		Invoice No.	P18-95
Drain #		Wisner #	

DESCRIPTION:

WORK PERFORMED:

Operations & maintenance - 10/17/18, 10/23/18, 10/24/18, 10/29/18, 10/30/18
 wet weather event - 10/6/18, 10/7/18; stand-by - 10/6/18, 10/7/18, 10/16/18, 10/17/18, 10/21/18

PERSONNEL	STAFF HOURS	1.5 OT HOURS	HOURLY RATE WITH FRINGE	1.5 OT RATE	SUB TOTAL
GELLE (10/6, 10/7, 10/16, 10/17)	45.5	5.5	46.29	59.95	2,435.92
ROSKOPP (10/6)	6		46.62	60.45	279.72
SANTO			57.60	76.76	0.00

TOTAL: \$ 2,715.64

Date
Chief Deputy
Engineer(s)
Manager(s)
Coordinator(s)
Finance Officer

\$ 2715.64
 - \$ 54.52 (MIDD → 8 1/2) P18-107
 - \$ 712.19 (MIDD → 8 1/2) P18-106

 \$ 1948.93 TOTAL DUE TO MIDD

9491.bd

MIDDD

Operation, Maintenance & Repair Reimbursement Work Order Project Report

Drain	8 1/2 Mile Relief Drain	Invoice Period	11/3/18 - 11/30/18
Account #		Invoice No.	P18-114
Drain #		Wisner #	

DESCRIPTION:

WORK PERFORMED:

Operations & maintenance - 11/20/18, 11/21/18
 wet weather event - 11/1/18, 11/2/18; stand-by - 11/1/18, 11/3/18, 11/15/18, 11/17/18
 sewer entries - 11/27/18, 11/29/18

PERSONNEL	STAFF HOURS	1.5 OT HOURS	HOURLY RATE WITH FRINGE	1.5 OT RATE	SUB TOTAL
GELLE (11/1, 11/2, 11/3, 11/27, 11/29)	16	14	46.29	59.95	1,579.94
ROSKOPP (11/20, 11/21)	12		46.62	60.45	559.44
SANTO			57.60	76.76	0.00
SCHMITT, JOEL			28.54	35.23	0.00

TOTAL: \$ 2,139.38

Date
Chief Deputy
Engineer(s)
Manager(s)
Coordinator(s)
Finance Officer

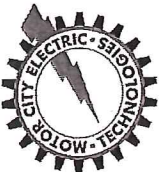
* INV P18-112 (\$ 482.08)
 * INV P18-110 (\$ 783.67)

\$ 873.63
 * MID due to 8 1/2 Mile (attached)

9535.bd

0.*

2,139.38+
 482.08-
 783.67-
 873.63*



MOTOR CITY ELECTRIC TECHNOLOGIES INC.
 AUTOMATION AND CONTROLS SOLUTIONS
 9440 GRINNELL
 DETROIT, MI 48213-1151
 PHONE (313) 921-5300 FAX (313) 921-5310
 "AN EQUAL OPPORTUNITY EMPLOYER"

INVOICE

13030	MACOMB COUNTY PUBLIC WORKS 21777 DUNHAM ROAD CLINTON TOWNSHIP, MI 48036	Customer PO Number	Job Number 919500	Sub Job 0	Contract Number 001	Date Performed 10/23/2018	Date 11/20/2018	Application Number 92176
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JOE BETZ

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&M	\$3,862.29	-	\$3,862.29	\$3,862.29	-	-
Totals:		\$3,862.29		\$3,862.29	\$3,862.29		
Less Retained:							
Invoice Total:				\$3,862.29			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

ALL: 100% = \$3,862.29

complete electrical construction

"We hereby certify that the articles and services covered by this invoice were produced and performed in compliance with all applicable requirements of Section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof."



INVOICE

DOCUMENT: Invoice

Sales Inquiries: Steve Marini (586) 838-1336/
 smarini@sunsource.com
 Credit Inquiries: Ashley Saxinger (630) 317-2747/
 asaxinger@sunsource.com

CUST.#: 4402518

INVOICE DATE		INVOICE NO.	
11/16/18		5112438-01	
P.O. DATE	P.O. NO.	PAGE #	
10/10/18	18-9333	1	

BILL TO: MACOMB COUNTY OF PUBLIC WORKS
 21777 DUNHAM ROAD

 CLINIC TOWNSHIP, MI 48036

REMIT TO: SunSource
 23851 Network Place
 Chicago, IL 60673-1238

SHIP TO: MACOMB COUNTY OF PUBLIC WORKS
 23001 EAST NINE MILE ROAD
 TAG: FO#18-9333
 ST CLAIR SHORES, MI 48080

INSTRUCTIONS: STAGING AREA:

SHIP POINT	VIA	SHIPPED	TERMS
SunSource-Palco Sterling Hts.	UPS Ground	11/16/18	net 30

**** GO GREEN! Contact creditservices@sunsource.com for details on emailed/faxed invoices and ACH ****

LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QTY SHIPPED	QTY U/M	NET PRICE	PRICE U/M		EXTENDED AMOUNT	
2	IL-R-A-25-0 NORCO FILTER ELEMENT	1	0	1	EA	209.44	EA		209.44	
3	IL-I-B-40-3 NORCO FILTER ELEMENT	2	0	2	EA	215.49	EA		430.98	
U.S.A. Tariff # 8421.99.00.80 Canadian Tariff # 8421.99.00.90 Country Of Origin USA Customs Date: 01/01/06										
2 Lines Total		Qty Shipped Total		3	Total				640.42	
									Frt & Hndlg	26.52
									Invoice Total	666.94

Tracking Information:
 1Z4676710350851659

Customer Name : MACOMB COUNTY OF PUB
 Customer No. : 4402518
 Invoice Date : 11/16/18
 Invoice No. : 5112438-01
 Invoice Amt. : 666.94
 Amt. Remitted :
 Check No. :

Last Page

Thank you for your business. Please visit our website at www.sun-source.com. For on-line ordering visit www.sunsourceconnect.com



TREMCO
3735 GREEN ROAD, BEACHWOOD, OH 44122-5730 (216)292-5000

RECEIPT OF THIS ORDER SHALL BE ACCEPTANCE OF ALL TERMS AND CONDITIONS CONTAINED ON THE FRONT AND BACK HEREOF. (V 6.2011)

SHIP TO

COUNTY OF MACOMB
PUBLIC WORKS COMMISSION
LAKE SAINT CLAIR CLEAN WATER INITIA
CHAPATON EAST/WEST & SERVICE GARAGE
23001 EAST NINE MILE ROAD
SAINT CLAIR SHORES MI 48080

CHARGE TO

COUNTY OF MACOMB
PUBLIC WORKS COMMISSION
LAKE SAINT CLAIR CLEAN WATER INITIATIVE
23001 EAST NINE MILE ROAD
ST CLAIR SHORES MI 48080

ACCOUNT NUMBER 6054709

INVOICE NO. 95438137	INVOICE DATE 11/14/2018	DUE DATE 12/14/2018
CUST. P.O. RENEWAL - YEARS 6-10		
ORDER NUMBER 30025454		
TERMS Net 30		
SHIPPED FROM		SHIP DATE 11/14/2018
ROUTING - IF SPECIFIED		DELIVERY NO.

(PLEASE MAKE ANY CORRECTIONS TO ABOVE INFORMATION)
NO RETURN MERCHANDISE UNLESS AUTHORIZED BY OUR REPRESENTATIVE

REPRESENTATIVES Srbu, Earl

FREIGHT (F.O.B.: SHIPPING POINT)
PPA PREPAID AND ADD

QTY	FORMULA NO. AND DESCRIPTION	UNIT QTY	PRICE	AMOUNT
1	TREMCARE PB BILLING PLAN - TREMCARE PLATINUM COUNTY OF MACOMB PUBLIC WORKS COMMISSION - CHAPATON EAST - CHAPATON WEST - SERVICE GARAGE JOB/AGREEMENT NUMBER: 138882 COUNTY OF MACOMB-138882	1 EA	2,250.00	2,250.00
If you would prefer to receive your invoices by email or fax, please contact Customer Service.				

SUBTOTAL			2,250.00
LOCAL TAX 0.00	COUNTY TAX 0.00	STATE TAX 0.00	SALES TAX 0.00
SHIPPING			0.00
TOTAL DUE			2,250.00

PLEASE RETURN THIS PORTION WITH YOUR REMITTANCE

COUNTY OF MACOMB
PUBLIC WORKS COMMISSION
LAKE SAINT CLAIR CLEAN WATER INITIATIVE
23001 EAST NINE MILE ROAD
ST CLAIR SHORES MI 48080

ACCOUNT NUMBER: 6054709
CUST. P.O.: RENEWAL - YEARS 6-10
TERMS: Net 30

INVOICE NO. 95438137	INVOICE DATE 11/14/2018
-------------------------	----------------------------

SUBTOTAL 2,250.00
SALES TAX 0.00
SHIPPING 0.00
TOTAL DUE 2,250.00 USD

IF THIS ORDER IS SALES TAX
EXEMPT AND WE HAVE
CHARGED SALES TAX,
MARK-BOX AND RETURN
A COMPLETED & SIGNED
SALES TAX EXEMPTION
CERTIFICATE WITH YOUR
REMITTANCE. THANK YOU.

COMMENTS:

Mail check to address shown or call to pay
by ACH or wire transfer.
Credit card accepted at time of purchase.

Thank you for your payment. We appreciate your business.

Tremco/Weatherproofing Technologies, Inc.
P.O. BOX 931111
CLEVELAND, OH 44193-0511

Income Statement
8.5 Mile Relief
As of Nov 30, 2018

	9-30-2018 Total Fund	10-1-18 to 10-31-18 O&M	Nov 2018 O&M	Total 11/30/2018
Revenues		1,910,624	20,883	1,931,507
Expenditures		54,931	95,867	150,798
Equity*	4,367,987			6,148,696

NOTES*

5 year maintenance of switchgear	38,000.00
9 Mile Dewatering Gate	5,000.00
Canal seawall sheeting	5,000.00
CHA-EB Chem Flow Meter - Basin Gates (Pumps 4-5)	10,000.00
Chapaton East disinfection system improvement	50,000.00
Design of Improvements	50,000.00
Disinfection Systems Improvement Study	120,000.00
Driveway grate	12,000.00
Electrical Upgrade Program	10,000.00
Emergency Reserve	741,697.00
Flow Meter	150,000.00
HVAC design	60,000.00
Instrumentation all buildings	30,000.00
Outfall Gate Reserve	7,000.00
Painting interior and garage facade	20,000.00
Pump Station Exterior Wall Upgrades-Basin Kneewall	4,000.00
Pumping and screening improvements	1,250,000.00
RTB/PS Ventilation Design	60,000.00
Sampling Pumps	2,500.00
Scada Reserve	80,000.00
Security Fence Structures Around Gate Actuators	60,000.00
Spare Rain Gauge	2,500.00
SRF Replacement Reserve	1,555,290.00
Switch gear(Label and maintenance)	45,000.00