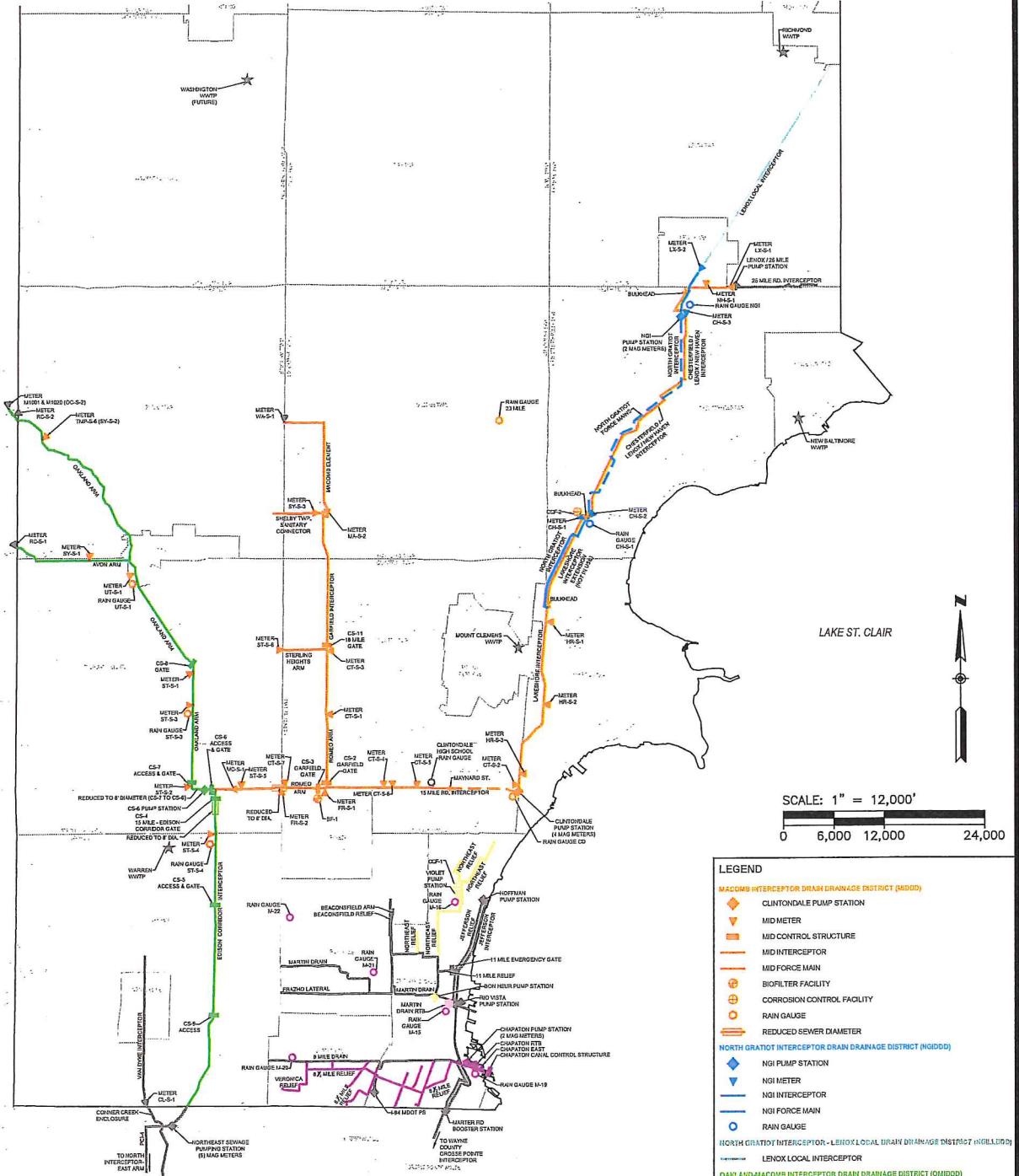


Miller
Santo
Klinefelt

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
JULY 8, 2019
10:00 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for July 8, 2019	
3. Approval of Minutes for June 10, 2019	3
4. Public Participation	
5. Project Update – Vince Astorino	
6. Consideration for approval of invoices (see attached)	6
7. Financial Report – Bruce Manning	28
8. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



- LEGEND**
- MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MSDD)
 - ◆ CLINTONDALE PUMP STATION
 - ◇ MID METER
 - ◇ MID CONTROL STRUCTURE
 - MID INTERCEPTOR
 - MID FORCE MAIN
 - ⊕ BIOFILTER FACILITY
 - ⊕ CORROSION CONTROL FACILITY
 - 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 (NGLLDD)
 - LENOX LOCAL INTERCEPTOR
 - OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMDD)
 - ◆ CS-4 PUMP STATION
 - ◇ OMD METER
 - OMD CONTROL STRUCTURE
 - OMD INTERCEPTOR
 - REDUCED SEWER DIAMETER
 - 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT
 - ◆ CHAPATON WEST PUMP STATION
 - ◇ CHAPATON RETENTION TREATMENT BASIN
 - ◇ CHAPATON CANAL CONTROL GATE
 - 8 1/2 MILE INTERCEPTOR
 - RAIN GAUGE
 - SEMCOVDS INTERCEPTOR
 - ◆ SEMCOVDS PUMP STATION
 - ◇ CORROSION CONTROL FACILITY
 - SEMCOVDS INTERCEPTOR
 - MARTIN'S 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



UPDATED: APRIL 2017

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 June 10, 2019, at 10:03 A.M.

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

ALSO PRESENT: Harold Haugh, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Vince Astorino, Operations & Flow Manager, Evans Bantios, Engineer II, Dan Heaton, Communications Manager, Kellie Kource, Drain Account Specialist, Karen Czernel, Deputy, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Jeff Bednar, P.E., Environmental Resources Manager, Stephen Downing, Construction & Maintenance Manager, Macomb County Public Works

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.

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of May 13, 2019 were presented. A motion was made by Ms. Klinefelt, supported by Mr. Santo 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.

Mr. Astorino updated the board on the In-System Storage Project. He presented a profile predicting we would get 10-20 million gallons out of the three gate devices. The proposed locations for the devices are Walsh Family Park, one on either side of I-94, and one on the 9 Mile Drain. Three teams submitted proposals and we are recommending Tetra Tech as they scored the highest. As part of the RFP we asked for specific tasks: project management, full infrastructure survey to map the pipes, utility survey after the site locations are chosen, and full basis of design. We are looking to complete the basis of the design by March 2020, with full design by spring of 2021, and anticipate construction to begin later in 2021. We are still anticipating around \$10 million for the project, but will know more as we get through the basis of design.

A motion was made by Mr. Santo, supported by Ms. Klinefelt to approve the proposal from Tetra Tech for Task 1 in an amount not-to-exceed \$481,098, and Task 2 (subject to SEMSD approval) in an amount not-to-exceed \$247,425.

Adopted: YEAS: 3
NAYS: 0

Mr. Astorino updated the board that the SRF Project Plan is the best option for funding for the project at a rate of 2% for 20 years. The next step is to have the Board approve submitting the Project Plan to the State before July 1st and we should know the list of priority projects approved by the State in November.

A motion was made by Ms. Klinefelt, approved by Mr. Santo to approve the resolution adopting the 8 ½ Mile Project Plan as the first step in applying for State Revolving Fund loan assistance.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$357,328.83 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 Ms. Klinefelt and supported by Mr. Santo.

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 10:29 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 taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on June 10, 2019 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: 06/10/19

EIGHT AND ONE HALF MILE DRAIN RELIEF INVOICES 06/18/19 - 07/02/19

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>	
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.	\$ 770.00	Invoice #WO9191072 - 06.04.19	Boiler Repair		
		Astorino	DTE Energy	\$ 7,598.24	Invoice #19-275 - 06.10.19	Monthly Electric 05.09.19 - 06.09.19	\$ 135,401.20	
		Astorino	Fishbeck, Thompson, Carr & Huber	\$ 2,595.00	Invoice #383788 - 06.24.19	As Needed Services through 06.24.19		
		Astorino	Macomb Community College	\$ 8,750.00	Invoice #006028845 - 06.25.19	Confined Space Entry training		
		Astorino	Marino's Landscape	\$ 1,375.00	Invoice #6696 - 05.31.19	Lawn Care May 2019	\$ 6,050.00	
		Manning	Macomb County Treasurer	\$ 592.12	Invoice #19-269 - 06.11.19	Drain Maintenance reimbursement to Equipment Fund		
		Astorino	OHM Advisors	\$ 3,992.50	Invoice #204536 - 06.06.19	Chapaton TRC Monitoring through 05.25.19		
		Total			\$	\$ 25,672.86		



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 6/17/19
4. SET ID VPI9618MA		5. POST DATE

6. VENDOR NAME (Check to be issued to) De-Cal, Inc.			7. VENDOR NUMBER V59694			8. ADDR CODE 01			9. Invoice No (MAX = 16 CHARACTERS) WO9191072			10. Invoice Date 6/4/2019			11. Invoice Amount \$ 770.00		
---	--	--	-----------------------------------	--	--	---------------------------	--	--	---	--	--	-------------------------------------	--	--	--	--	--

General Ledger				Job Ledger				OPTIONAL			
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK	
A	8200017M	93001	93001	WO18006	8 1/2 Mile Relief	Job #9190877, Boiler repair	\$ 770.00	GEN			
B											
C											
D											
E											
F											
G											

23. Total: \$ **770.00** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>Smy</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>MB</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	7/2/2019
28. Managers:	<i>WJ</i>	33. Board Date:	7/8/2019
29. Coordinator:	<i>WJ</i>	34. Select For Pay Date:	



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

Service Invoice

Invoice #: WO9191072

Date: 06/04/2019

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

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

Attn: Accounts Payable

Client PO#:	Employee: Ernie Justice	Due Terms: 30DY
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Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	770.000000	770.00	N

Notes:

See work order for details

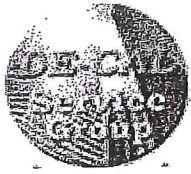
Chapaton

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

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

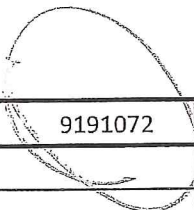
Thank you for your prompt payment!

Amount Due: \$	770.00
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De - Cal Service Group

Heating, Cooling, Plumbing, Electrical
 24659 Schoenherr Rd.
 Warren, MI 48089



Location: Macomb Chapaton Pumping	PO #	Invoice/Job #	9191072
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Description of work performed:
 Boiler Unknown Fault

LABOR HOURS

Labor Type	Dates, Technicians	Total Hours	Total
Technician		5.0	\$ 562.50
Chiller			\$
Boiler/Controls			\$
OT/Holiday			\$
Veh/Tool Allowance		1.0	\$ 75.00

MATERIALS/SUBCONTRACTORS UTILIZED

Unit #	Description & Make	Part #	Quantity	Price
	Consumables Fee		1.0	\$ 20.00
	Hi Limit Sensor		1.0	\$ 105.00
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				Material Tax %
				\$ 7.50
				Sell For
				\$ 770.00

Service Report

Service Report No : 9191072-1

Date: May 20, 2019

Client P.O. #: N/A



HVAC Service

Ready to Invoice/Work Complete

Site:

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

Client:

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

Reason for Call:

boiler unknown fault. boiler resets manually and runs for awhile then shuts back down

Description of Service:

called out due intermittent faults on boiler. checked out boiler and called local supply houses. Only place instock was the lochinvar regional in northville. was able to set up a pick there. Picked up part returned and installed. Ran boiler back up to temp to test for faults. cycled it a couple times with out incident. Unit running properly at this time.

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Ernie Justice	May 15, 2019	5	0



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	6/17/19
4. SET ID		
5. POST DATE		

V1919618MUA

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTE Energy	08	19-275	6/10/2019	7,598.24

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object							
A	8200017M	92101	CC0004	92101		8 1/2 Mile Relief	Acct #9100-0005-3785, 5/9-6/9	\$ 7,598.24	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 7,598.24

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: Bum

26. Chief Deputy: AB

27. Engineers: WT

28. Managers: WT

29. Coordinator: WT

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 7/2/2019

33. Board Date: 7/8/2019

34. Select For Pay Date: _____



Payment Coupon



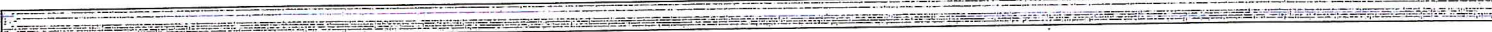
Account Number	910000053785
Due Date:	July 05, 2019
Total Due:	\$7,598.24

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:

SolarCurrents Program

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



The Michigan Public Service Commission recently approved the following price changes on your bill: This month the electric power supply and distribution prices were updated to align with the true cost of business to serve our customers. There was also a slight increase in the Nuclear Surcharge.



Detail Charges

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

Outage Contact Number: 1-313-235-1300

Invoice: 200001583877

Billing Period: 05/09/2019 through 06/09/2019

Days Billed: 32

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6321448	05/09	344.4A	06/09	351.0A	6.6	6,400.0000	42,240.0	P - In-V
6321448	05/09	436.4A	06/09	443.4A	7.0	6,400.0000	44,800.0	P - In-W
6321449	05/09	1.1A	06/09	1.2A	0.1	- 6400.0000	640.0	P - Out-V
6321449	05/09	0.0A	06/09	0.0A	0.0	- 6400.0000	0.0	P - Out-W
6321451	05/09	0.5A	06/09	0.5A	0.0	6,400.0000	0.0	P - In-V
6321451	05/09	0.5A	06/09	0.5A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							42,880.00	
Total KWH							44,800.00	

Invoice: 200001583877 Service Name: Chapaton Pumping Station
 Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	256	KW	ESTABLISHED	05/20/2019	12:00
3	65% High OP Bill Dmd June-Oct prec 11 mths	2246	KW	ESTABLISHED	10/01/2018	12:00
8	Highest Single Billing Demand	671	KW	ESTABLISHED	05/19/2019	18:00
A	Current PV High Monthly Demand	671	KW	ESTABLISHED	05/19/2019	18:00
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	4956	KW	ESTABLISHED	05/01/2019	04:30
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	73	PCT			
	Total Number of days in the Billing Period	32	DAYS			
	Avg Kilowatthours Used Per Day This Period	1400	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	2598	KWH			
	kWh percentage change from a year ago	-46	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	44800	KWH			
	Net Inflow (In - Out)	44800	KWH			

Charges for 05/09/2019 through 06/09/2019

Power Supply Charges:

Power Supply Energy:						
Power Supply Energy Charge	44,800	KWH			Per Total KWH	0.00
Power Supply Capacity Charge	44,800	KWH	@ \$	0.0329700	Per Total KWH	1,477.06
Power Supply Non Capacity Charge	44,800	KWH	@ \$	0.0464000	Per Total KWH	2,078.72
Surcharges:						
Power Supply Cost Recovery Factor	44,800	KWH	@ \$	0.0018100	Per Total KWH	81.09
Sub Total:						3,636.87

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	44,800	KWH	@ \$	0.0386600	Per Total KWH	1,731.97
Surcharges:						
Tax Credit B	44,800	KWH	@ \$	-0.0055360	Per Total KWH	- 248.01
U-18255 SIR	44,800	KWH	@ \$	-0.0033430	Per Total KWH	- 149.77
Nuclear Surcharge	44,800	KWH	@ \$	0.0008270	Per Total KWH	37.05
Energy Waste Reduction	2	MTR	@ \$	38.5100000		77.02
LIEAF Factor	2	MTR	@ \$	0.9300000		1.86
Sub Total:						1,461.37
Special Facilities Charge						2,500.00

Invoice Subtotal

Michigan State Sales Tax On Taxable Portion

7,598.24

0.00

\$7,598.24

Invoice Total



Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 05/13/2019 13,195.77
 Payment(s) and Credit(s) - 13,195.77
 Remaining Balance \$0.00

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
23001 E 9 Mile Rd	7004376662	General Service Municipal Pumping-Net Metering Cat1	EFCND3_WP	05/09 - 06/09/19	7,598.24
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$7,598.24

Amount Due on or before Due Date of 07/05/2019 \$7,598.24

Your current charges are due on July 5, 2019. A 2% late payment charge will be applied if paid after the due date.





ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	6/26/19
4. SET ID		
5. POST DATE		
V1919628MA		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
FTCH	V44063	01	383788	6/24/2019	\$ 2,595.00

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object							
A	8200017M	80138	CC0004	80138	WO19005	8 1/2 Mile Relief	Pjt #190051 through 6/14/19	\$ 2,595.00	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 2,595.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
As Needed Services through 6/24/19

25. Finance Officer:	<i>from</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>MB</i>	31. Project Balance:	\$135,401.20
27. Engineers:		32. Staff Date:	7/2/2019
28. Managers:	<i>UR</i>	33. Board Date:	7/8/2019
29. Coordinator:	<i>MB</i>	34. Select For Pay Date:	



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 : 383788
Invoice Date : 6/24/2019
Project : 190051
Project Name : Macomb Co PW/8.5 As-needed
 Engineering
Bill Term : 1

For Professional Services Rendered Through 6/14/2019

WO19005

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Genral As Needed	42,500.00	42,500.00	0.00	0.00	0.00
1.A - 8.5 Relief Drain - Chapaton Structural Study	60,663.00	60,663.00	234.00	0.00	234.00
<i>Rate Labor</i>		234.00			
1.B - Task 1c - 9 Mile Pipe Repair	16,256.00	16,256.00	294.00	0.00	294.00
<i>Rate Labor</i>		294.00			
1.D - Task 1d - Office Improvements	25,000.00	11,077.20	15,606.80	13,922.80	1,684.00
<i>Rate Labor</i>		1,684.00			
1.E - Task 1e - Maps	7,500.00	7,500.00	383.00	0.00	383.00
<i>Rate Labor</i>		383.00			
				Current Billings	<u>2,595.00</u>
			Amount Due This Bill		<u>2,595.00</u>

**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER	WO19005
PROJECT NUMBER	WWS-2019-001
PROJECT NAME	As-Needed General Engineering Services
DRAINAGE DISTRICT	Eight and One-Half Mile Relief Drain Drainage District
CONSULTANT NAME	FTC&H
INVOICE DATE	6/19/2019
INVOICE START DATE	5/18/2019
INVOICE END DATE	6/14/2019
ORIGINAL CONTRACT AMOUNT	\$ 151,919.00
CHANGE ORDER TOTAL	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 151,919.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 13,922.80
TOTAL AMOUNT DUE THIS INVOICE	\$ 2,595.00
TOTAL BUDGET REMAINING	\$ 135,401.20
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 6/26/19
4. SET ID VPIA628MA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Macomb Community College	7. VENDOR NUMBER V03016	8. ADDR CODE 13	9. Invoice No (MAX = 16 CHARACTERS) 006028845
			10. Invoice Date 6/25/2019
			11. Invoice Amount \$ 10,500.00

CHILD RECORD DETAIL INFORMATION												
Line	General Ledger			Job Ledger		16. Work Order Number	OPTIONAL		19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	17. Secondary Reference (MAX = 16 CHARACTERS)		18. Description (MAX = 30 CHARACTERS)					
A	8200017M	95901	CC0004	95901	:	8 1/2 Mile Relief	Acc#0923455, 5/13-5/14	\$	3,500.00	GEN		
B	8200017M	95901	CC0004	95901	:	8 1/2 Mile Relief (Eq Fund)	Acc#0923455, 5/13-5/14	\$	3,500.00	GEN		0
C	8200017M	95901	CC0004	95901	:	8 1/2 Mile Relief	Acc#0923455, 6/5 & 6/7	\$	1,750.00	GEN		0
D	8200166M	95901	CC0018	95901	:	MIDDD	Acc#0923455, 6/5 & 6/7	\$	1,750.00	GEN	MIDDD	0
E					:							
F					:							
G					:							
									23. Total: \$	10,500.00		

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
CSE training - Equipment Fund to reimburse 8 1/2 Mile \$3500 for their Drain Maintenance portion of training.

25. Finance Officer: <u><i>hgm</i></u>	30. Drain: 8 1/2; MIDDD; Eq Fund
26. Chief Deputy: <u><i>ps</i></u>	31. Project Balance: _____
27. Engineers: _____	32. Staff Date: 7/2/2019
28. Managers: <u><i>MS</i></u>	33. Board Date: 7/8/2019
29. Coordinator: <u><i>MS</i></u>	34. Select For Pay Date: _____

Pay by Mail: Macomb Community College, Cashier CC-G131, 14500 Twelve Mile Rd., Warren, MI 48088-3896
Pay by Fax: Fax completed Credit Card information to 586-226-4754

To receive a receipt, provide an E-mail address or fax number in the space below:

Company AR Invoice (CREN)

Account ID	Account Name	AR Type	Term	Invoice Number
0923455	Macomb County Public Works	43	2019NC	006028845
Invoice Description		Invoice Date	Payment Due	Amount Due
Confined Space		06/25/19	07/25/19	10,500.00

Check/Money Order VISA MasterCard Discover

Macomb County Public Works
Attn: Vincent Astorino
21777 Dunham Rd
Clinton Twp, MI 48036

Card Holder Signature (as it appears on card)

16 Digit Card Number

Exp Date (mm/yy)

Remit Top Portion With Your Mailed Check, Money Order or Credit Card Payment

Questions on your invoice: Contact Financial Services at 586-445-7335
Email: regpay@macomb.edu

Page 1

Account ID	Account Name	AR Type	Term	Invoice Number
0923455	Macomb County Public Works	43	2019NC	006028845
Invoice Description		Invoice Date	Payment Due	Amount Due
Confined Space		06/25/19	07/25/19	10,500.00

Code	Description	Charges	Credits
HSIND	Health & Safety hs.ind19	10,500.00	

Confined Space Rescuer
HAST 8256
5/13/19 - 5/14/19
6 students = \$7,000

Confined Space Refresher
HAST 8130
6/5/19 & 6/7/19
5 students = \$3,500

Any questions please contact
586-498-4055/whitem@macomb.edu

8 1/2 @ 3000
8 1/2 (EQ Fund) @ 3000
8 1/2 @ 1750
MADA @ 1750

Client Contact:
Vince Astorino
586-772-3425
vincent.astorino@macombgov.org

Total: 10,500.00 0.00

Invoice Net.....: 10,500.00

Pay by Mail: Macomb Community College, Cashier CC-G131, 14500 Twelve Mile Rd.,
Warren, MI 48088-3896

Pay by Fax: Fax completed Credit Card information to 586-226-4754

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Macomb County Public Works
Attn: Vincent Astorino
21777 Dunham Rd
Clinton Twp, MI 48036

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Page 2

Account ID	Account Name	AR Type	Term	Invoice Number
0923455	Macomb County Public Works	43	2019NC	006028845
Invoice Description		Invoice Date	Payment Due	Amount Due
Confined Space		06/25/19	07/25/19	10,500.00

Payments/Adjustments:

Balance Due.....: 10,500.00



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 6/11/19
4. SET ID V191612MA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Marino's Landscape	7. VENDOR NUMBER V66876	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 6696
			10. Invoice Date 5/31/2019
			11. Invoice Amount \$ 1,375.00

CHILD RECORD DETAIL INFORMATION									
General Ledger		Job Ledger		OPTIONAL	21. MISC				
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	22. Sep CK
A	8200017M	92900	92900	W018006	8 1/2 Mile Relief	Lawn Care May 2019	\$ 1,375.00	GEN	
B									
C									
D									
E									
F									
G									

23. Total: \$ 1,375.00

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>blm</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>MB</i>	31. Project Balance:	\$6,050.00
27. Engineers:		32. Staff Date:	6/18/2019
28. Managers:	<i>UA</i>	33. Board Date:	7/8/2019
29. Coordinator:	<i>MA</i>	34. Select For Pay Date:	

Marino's Landscape
 51879 Schoenherr Rd
 Shelby Twp, MI 48315
 586-803-3860



Macomb County Public Works Office
 21777 Dunham Rd.
 Clinton Twp, MI 48036

PO #
 Invoice # 6696
 Invoice Date 5/31/2019

Invoice Balance 1375.00

Email: Lori@marinoslandscape.com
 Website: www.marinoslandscape.com

Date	Description	Qty	Price	Total
5/1/2019	Lawn Maintenance	1.00	275.00 ✓	275.00
5/9/2019	Lawn Maintenance	1.00	275.00	275.00
5/16/2019	Lawn Maintenance	1.00	275.00	275.00
5/22/2019	Lawn Maintenance	1.00	275.00	275.00
5/30/2019	Lawn Maintenance	1.00	275.00	275.00

Terms Due on receipt
For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080

Subtotal 1375.00
Invoice Total 1375.00

Invoice Balance 1375.00

Client Name Macomb County Public Works Office
For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080
Invoice # 6696
Invoice Date 5/31/2019
Invoice Balance 1375.00

Amount Enclosed

Invoices are due by terms listed. A monthly Finance Charge of 1 1/2% will be added monthly to balance 30 days past due.
NEW FOR 2019 Client portal - make payments, view account history and more!
 Thank you for choosing Marino's Landscape.

PAYMENT STUB

Marino's Landscape
 51879 Schoenherr Rd
 Shelby Twp, MI 48315

Card #	
Exp. Date	
Signature	



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

Mark A. Hackel
County Executive

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 6/11/19
4. SET ID V1919612MA		
5. POST DATE		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) Macomb County Treasurer	7. VENDOR NUMBER V01085	8. ADDR CODE 03	9. Invoice No (MAX = 16 CHARACTERS) 19-269	10. Invoice Date 6/11/2019	11. Invoice Amount \$ 592.12
--	-----------------------------------	---------------------------	--	--------------------------------------	--

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object							
A	8200017M	72100	CC0004	72100	W018338	8 12 Mile Relief	Personnel Reimbursement 1/26-2/8	\$ 592.12	IPWK		
B											
C											
D											
E											
F											
G											

23. Total: \$ **592.12**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Drain Maintenance Personnel Reimbursement due to Equipment Fund

25. Finance Officer:	<i>Jam</i>	30. Drain:	Multiple
26. Chief Deputy:	<i>AB</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	6/18/2019
28. Managers:	<i>UB</i>	33. Board Date:	7/8/2019
29. Coordinator:	<i>WA</i>	34. Select For Pay Date:	

Date Range	Drain	Hourly Rate @ 25% of 42.12	Golke	Hourly Rate @ 25% of \$47.17	Slanec	Hourly Rate @ 25% of \$22.13	King	Hourly Rate @ 25% of \$29.81	Madison	Hourly Rate @ 25% of \$29.13	Marku	Hourly Rate @ 25% of \$15.68	Dix	TOTALS
		\$10.53		\$11.79		\$5.53		\$7.45		\$7.28		\$3.92		
1/1/19-5/31/19	Shook	37.5		29.5		137.0		148.0		145.0		0.0		\$3,659.64
3/9/19-5/31/19	Sterling Relief	0.0		0.0		16.0		22.0		16.0		2.0		\$369.00
1/26/19-2/8/19	8 1/2 Mile Rlf	0.0		0.0		0.0		56.0		24.0		0.0		\$592.12
2/9/19-2/22/19	Crapau	0.0		0.0		4.0		4.0		4.0		0.0		\$81.07
3/9/19-3/22/19	Heide	0.0		0.0		8.0		8.0		8.0		0.0		\$162.14
3/9/19-3/22/19	Kukuk	0.0		0.0		8.0		8.0		8.0		0.0		\$162.14
3/9/19-3/22/19	Longstaff	0.0		0.0		0.0		8.0		8.0		0.0		\$117.88
2/9/19-2/22/19	Miller	0.0		0.0		4.0		4.0		4.0		0.0		\$81.07
2/9/19-4/5/19	MBCR	0.0		0.0		38.0		38.0		38.0		0.0		\$770.17
2/23/19-3/8/19	Plumbrook	0.0		0.0		8.0		8.0		8.0		0.0		\$162.14
3/23 - 4/5/19	Priest	0.0		0.0		4.0		4.0		4.0		0.0		\$81.07
3/23 - 4/5/19	Stokes	0.0		0.0		4.0		4.0		4.0		0.0		\$81.07
3/23/19-4/5/19	Bridgewood	0.0		0.0		8.0		8.0		8.0		0.0		\$162.14
4/6/19 - 4/19/19	Gloede	0.0		0.0		0.0		8.0		8.0		0.0		\$117.88
4/6/19-5/3/19	Forsythe	0.0		0		8.0		20.0		20.0		0.0		\$338.96
4/6/19-4/19/19	Healy Brook	0.0		0.0		5.0		5.0		5.0		0.0		\$101.34
4/20/19-5/17/19	Sutherland Oemig	0.0		0		16.0		20.0		20.0		0.0		\$383.22
4/20/19-5/3/19	Mel drum	0.0		0		4.0		4.0		0		0		\$51.94
4/20/19-5/30/19	Greiner	0.0		4		28.0		7.0		15.0		3.0		\$363.49



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 6/13/19
4. SET ID V819613MA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) OHM Advisors	7. VENDOR NUMBER V67821	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 204536
			10. Invoice Date 6/6/2019
			11. Invoice Amount \$ 3,992.50

CHILD RECORD DETAIL INFORMATION						
General Ledger		Job Ledger		OPTIONAL	19. Amount	20. DIV
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)
A	8200017M	80138	80138	WO18333	8 1/2 Mile Relief	Pjt#0314-18-0010, thru 5/25/19
B						
C						
D						
E						
F						
G						
						22 Sep CK

23. Total: \$ **3,992.50** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Chapaton TRC Monitoring services throught 5/25/19

25. Finance Officer:	<i>Burt</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>MS</i>	31. Project Balance:	\$0.00
27. Engineers:		32. Staff Date:	6/18/2019
28. Managers:	<i>VA</i>	33. Board Date:	7/8/2019
29. Coordinator:	<i>MA</i>	34. Select For Pay Date:	



Macomb County Public Works Office
Attn: Vincent Astorino
21777 Dunham Road
Clinton Township, MI 48036

Invoice Date: 06/06/2019
Invoice #: 204536
Project: 0314-18-0010

Project Name: Chapaton TRC Monitoring

Job # WWS 18-012
 Email to michelle.houvener@macombgov.org

For Professional Services Rendered through: 5/25/2019

<i>Description</i>	<i>Fee</i>	<i>Prior Billed</i>	<i>Total Available</i>	<i>Current Billing</i>
Task 1 Understanding Facility and Site	6,500.00	6,478.75	21.25	0.00
Task 2 Performing Pilot Study	2,500.00	3,771.25	0.00	2,505.00
Task 3 Data Analysis and Summary	3,000.00	2,965.00	35.00	1,127.50
Task 4 Integrating Monitoring into Long-term Goals	4,000.00	1,795.00	2,205.00	0.00
Task 5 Deliverables	4,000.00	997.50	3,002.50	360.00
Amount Due This Invoice **	20,000.00	16,007.50	3,992.50	3,992.50

REMIT TO:

OHM Advisors

34000 PLYMOUTH RD
 LIVONIA, MICHIGAN 48150-1512

T 734.522.6711
 F 734.522.6427

OHM-Advisors.com



Macomb County Public Works Office
 Attn: Vincent Astorino
 21777 Dunham Road
 Clinton Township, MI 48036

Invoice Date: 06/06/2019
 Invoice #: 204536
 Project: 0314-18-0010

Task 2 Performing Pilot Study

Fixed Rates Labor

<i>Classification</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer I	1.00	110.0000	110.00
Graduate Engineer II	8.50	120.0000	1,020.00
Graduate Engineer III	11.00	125.0000	1,375.00
			2,505.00
Fixed Rates Labor subtotal	20.50		2,505.00
Total Performing Pilot Study			2,505.00

Task 3 Data Analysis and Summary

Fixed Rates Labor

<i>Classification</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer I	10.25	110.0000	1,127.50
			1,127.50
Total Data Analysis and Summary			1,127.50

Task 5 Deliverables

Fixed Rates Labor

<i>Classification</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer II	3.00	120.0000	360.00
			360.00
Total Deliverables			360.00

Total Project: 0314180010 - Chapaton TRC Monitoring **3,992.50**

REMIT TO:

OHM Advisors

34000 PLYMOUTH RD
 LIVONIA, MICHIGAN 48150-1512

T 734.522.6711
 F 734.522.6427

OHM-Advisors.com

Budget to Actual
8.5 Mile Relief
As of June 30, 2019 = 75%

DESCRIPTION	2019 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	26,000		61,213	(35,213)	235.4%
Other Revenue	1,500		27,660	(26,160)	1844.0%
State Grant	-		3,000,000	(3,000,000)	100.0%
8.5 O&M/Charge Required Revenue	3,898,266		3,898,266	-	100.0%
PY Revenue-Fund Balance	1,946,000			1,946,000	0.0%
Rental Fee	15,360		11,522	3,838	75.0%
Total Revenue Accounts	5,887,126	-	6,998,661	(1,111,535)	118.9%
EXPENSE ACCOUNTS					
Application/Permit Fee	3,000		3,000	-	100.0%
Dues, Training, Conf, Subs.	5,750		7,305	(1,555)	127.0%
Engineering					
Chapaton East Disinfection System Improvement	50,000		17,937	32,063	35.9%
Disinfection Systems Improvement Study	120,000		74,279	45,721	61.9%
RTB/PS Ventilation Design	120,000			120,000	0.0%
Design of Improvements	50,000			50,000	0.0%
As Needed Engineering	75,000		42,258	32,742	56.3%
Chapaton Improvements-Office Space	250,000			250,000	0.0%
Phase 1 TRC Basin Equipment	100,000		990	99,010	1.0%
9 Mile & 8 1/2 Mile Rehab	100,000			100,000	0.0%
Basin Structural Integrity Study	60,000			60,000	0.0%
Basin Expansion Design	1,000,000		169,316	830,684	16.9%
In-System Storage Design(Gates on 8.5 Tunnel)	500,000			500,000	0.0%
New Equipment					
Office Supplies	161,500		54,309	107,191	33.6%
Operating Supplies	750		508	242	67.7%
Other Professional Svcs	82,750		58,104	24,646	70.2%
Personnel Services	47,920		34,718	13,202	72.4%
Repair & Maintenance	875,405		620,654	254,751	70.9%
Switch gear	100,615		91,245	9,370	90.7%
Painting interior and garage facade	45,000			45,000	0.0%
Instrumentation all buildings	20,000			20,000	0.0%
Canal seawall sheeting	30,000			30,000	0.0%
Driveway grate	5,000			5,000	0.0%
Pumping and screening improvements	12,000		61,854	1,188,146	4.9%
CHA-EB Chem Flow Meter - Basin Gates (Pumps 4-5)	1,250,000			1,250,000	0.0%
Security Fence Structures Around Gate Actuators	10,000			10,000	0.0%
Electrical Upgrade Program	60,000			60,000	0.0%
Pump Station Exterior Wall Upgrades-Basin Kneewall	10,000			10,000	0.0%
9 Mile Dewatering Gate	4,000			4,000	0.0%
SRF Replacement Reserve	5,000			5,000	0.0%
259,215				259,215	0.0%
Scada System					
Utilities	190,073		165,377	24,696	87.0%
	284,148		68,531	215,617	24.1%
Total Expense Accounts	5,887,126	-	1,470,385	4,416,741	25.0%

	O&M Balance 9/30/2018	O&M	Total 6/30/2019
Cash - Operating	4,445,246	5,528,276	9,973,522
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		6,998,661	6,998,661
Expenditures		1,470,385	1,470,385
			0
Equity*	4,445,246		9,973,522

Detail of 2018 Equity*

5 year maintenance of switchgear	38,000	Instrumentation all buildings	30,000
9 Mile Dewatering Gate	5,000	Outfall Gate Reserve	7,000
Canal seawall sheeting	5,000	Painting interior and garage facade	20,000
CHA-EB Chem Flow Meter - Basin Gates (Pumps 4-5)	10,000	Pump Station Exterior-Basin Kneewall	4,000
Chapaton East disinfection system improvement	50,000	Pumping and screening improvements	1,250,000
Design of Improvements	50,000	RTB/PS Ventilation Design	60,000
Disinfection Systems Improvement Study	120,000	Sampling Pumps	2,500
Driveway grate	12,000	Scada Reserve	80,000
Electrical Upgrade Program	10,000	Security Fence Structures -Gate Act	60,000
Emergency Reserve	818,956	Spare Rain Gauge	2,500
Flow Meter	150,000	SRF Replacement Reserve	1,555,290
HVAC Design	60,000	Switch gear(Label and maintenance)	45,000