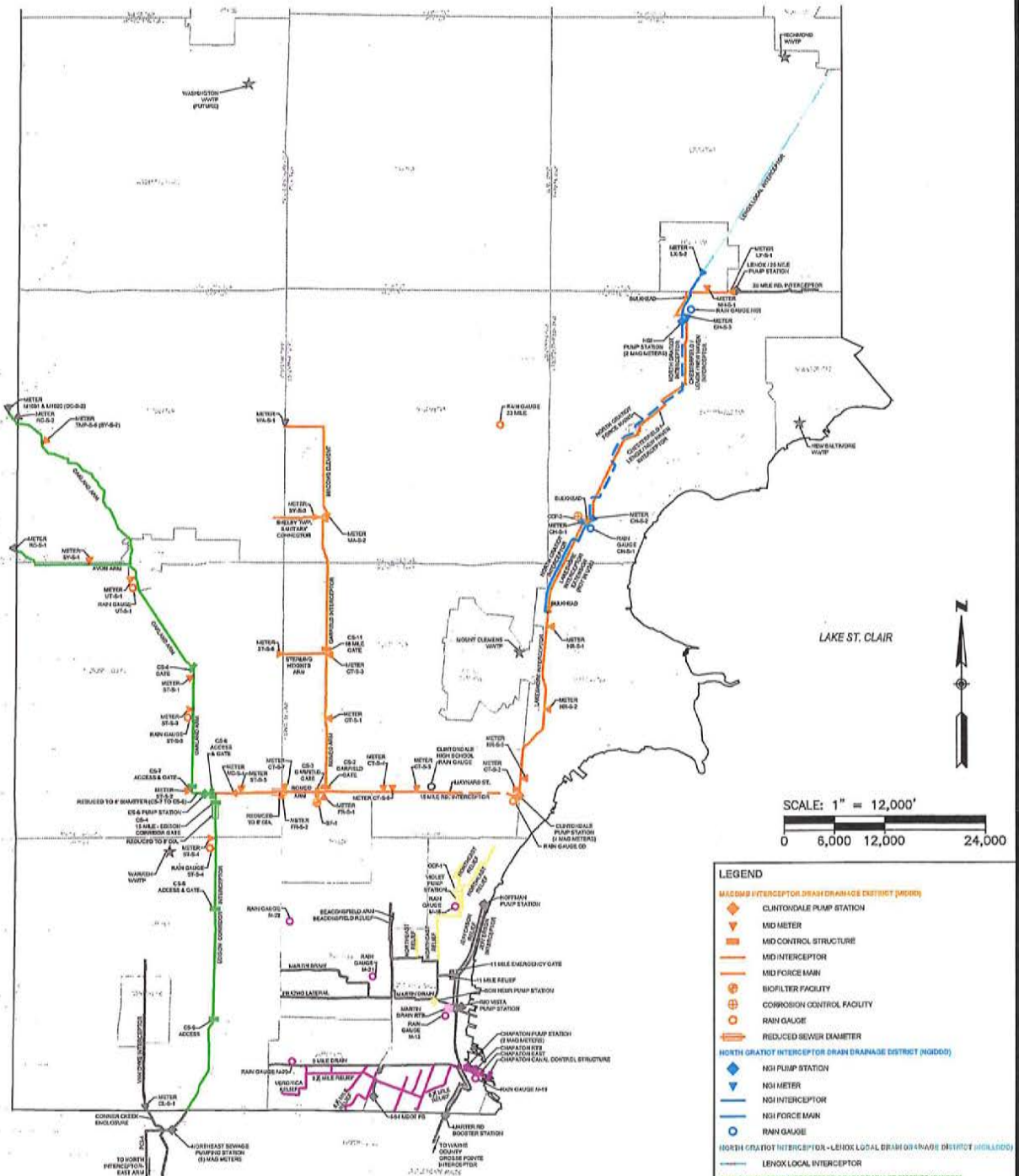


EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
APRIL 8, 2019
10:00 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for April 8, 2019	
3. Approval of Minutes for March 11, 2019	3
4. Public Participation	
5. Project Update – Vince Astorino	
6. Consideration for approval of invoices (see attached)	5
7. Financial Report – Bruce Manning	64
8. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



SCALE: 1" = 12,000'

0 6,000 12,000 24,000

- LEGEND**
- MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIDDD)**
 - CLINTONDALE PUMP STATION
 - MID METER
 - MID CONTROL STRUCTURE
 - MID INTERCEPTOR
 - MID FORCE MAIN
 - BIOFILTER FACILITY
 - CORROSION CONTROL FACILITY
 - RAIN GAUGE
 - REDUCED SEWER DIAMETER
 - NORTH GRANT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NGIDD)**
 - NGH PUMP STATION
 - NGH METER
 - NGH INTERCEPTOR
 - NGH FORCE MAIN
 - RAIN GAUGE
 - NORTH COLBY INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (NOLLDD)**
 - LENOX LOCAL INTERCEPTOR
 - OAKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)**
 - CS-6 PUMP STATION
 - OMD METER
 - OMD CONTROL STRUCTURE
 - OMD INTERCEPTOR
 - REDUCED SEWER DIAMETER
 - 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT**
 - CHAMPTON WEST PUMP STATION
 - CHAMPTON RETENTION TREATMENT BASIN
 - CHAMPTON CANAL CONTROL GATE
 - 8 1/2 MILE INTERCEPTOR
 - RAIN GAUGE
 - SEMIWASHTON INTERCEPTOR DRAIN DRAINAGE DISTRICT (SEMIIDD)**
 - SEMIWASHTON PUMP STATION
 - CORROSION CONTROL FACILITY
 - SEMIWASHTON INTERCEPTOR
 - WARTON'S BAY INTERCEPTOR DRAIN DRAINAGE DISTRICT (WBIIDD)**
 - WARTON'S BAY 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 March 11, 2019, at 10:08 A.M.

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

ALSO PRESENT: Harold Haugh, Robert Mijac, Joseph Romano, Macomb County Board of Commissioners; Brian Baker, Chief Deputy Commissioner, Vince Astorino, Operations & Flow Manager, Jeff Bednar, Environmental Engineer, Stephen Downing, Engineer II, Ken Goike, Drain Maintenance Manager, Dan Heaton, Communications Manager, Kellie Kource, Drain Account Specialist, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Madison Tanghe, Senior Secretary, Macomb County Public Works; Jordan Scott, SHDPW; Norah Krayem, Amanda Mashe, Wayne State University

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

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of February 11, 2019 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.

Mr. Astorino updated the board that all Chapaton budgeted projects are active including the canal expansion design project awarded at last month's board meeting. The contract was executed and the kick off meeting occurred at the end of last month.

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

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$589,434.11 to the board for review and approval.

A motion was made by Ms. Klinefelt, supported by Mr. Santo 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

Ms. Klinefelt suggested the Board discuss officially adopting by-laws at a future meeting.

There being no further business, it was moved by Ms. Klinefelt, supported by Mr. Santo, 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 10:21 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 March 11, 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: 3/11/19

EIGHT AND ONE-HALF MILE RELIEF DRAIN 3/19/19 - 4/2/19

<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	Colville Electric Co., LLC	\$ 1,500.52	Invoice #19-0219 - 03.13.19	New Effluent Sampler Per NPDES Permit		
		Astorino	Consumers Energy	\$ 1,332.68	Invoice #203230438309 - 02.26.19 Services through 01.22.19 - 02.25.19	Chapaton East		
		Astorino	Consumers Energy	\$ 835.67	Invoice #206700911764 - 03.15.19	Chapaton Pump Station		
		Astorino	Cummins Bridgeway	\$ 937.02	Invoice #S6-16789 - 03.09.19	Generator Maintenance		
		Astorino	Cummins Bridgeway	\$ 714.82	Invoice #S6-16790 - 03.09.19	Generator Load Bank Test		
		Astorino	DTE Energy	\$ 7,620.86	Invoice #19-111 - 03.07.19	Monthly Electric - 02.08.19 - 03.07.19		
		Astorino	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 3,336.00	Invoice #380599 - 2.4.19	8 1/2 Mile SRF Project Plan	\$ 20,722.50	
		Astorino	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 9,128.50	Invoice #381150 - 3.4.19	8 1/2 Mile SRF Project Plan	\$ 11,594.00	
		Astorino	HESCO	\$ 1,903.65	Invoice #20191158 - 03.13.19	Pump Spare Parts		
		Astorino	HESCO	\$ 600.00	Invoice #161025-6 - 03.14.19	Calibration of Mag Meter	\$ 50,699.00	
		Astorino	Hubbell, Roth & Clark, Inc	\$ 34,191.57	Invoice #168136 - 2.26.19	Chapaton Dry Weather and Pump Screen	\$ 76,716.43	
		Astorino	Macomb County Treasurer	\$ 6,600.00	Invoice #2019-GF-8.5 - 02.28.19	Reimbursement to General Fund Accounting		
		Astorino	Motor City Electric Technologies	\$ 2,132.63	Invoice #92340 - 03.04.19	Radio Inspection Services		
				Total	\$ 70,833.92			



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 3/29/19
4. SET ID VP19329MA		
5. POST DATE		

PARENT RECORD INFORMATION										
6. VENDOR NAME (Check to be issued to) Colville Electric Co., LLC	7. VENDOR NUMBER V50164	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 19-0219	10. Invoice Date 3/13/2019	11. Invoice Amount \$ 1,500.52					

CHILD RECORD DETAIL INFORMATION											
Line	12. Org Key	13. Object	14. Job Ledger 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
						OPTIONAL					
A	8200017M	93002	CC0004	93002		8 1/2 Mile Relief		Isco Composite Sampler Install	\$ 1,500.52	GEN	
B											
C											
D											
E											
F											
G											

23. Total: \$ **1,500.52**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Isco Composite Sampler Install

25. Finance Officer:	<i>bjm</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>pb</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	4/2/2018
28. Managers:	<i>ua</i>	33. Board Date:	4/8/2018
29. Coordinator:	<i>kic</i>	34. Select For Pay Date:	

Colville Electric Co., LLC *8 1/2 Iso Composit Sampler Install*

15210 Toepfer Dr.
Eastpointe, MI 48021

Invoice

Invoice #	19-0219
Due Date	Date
4/12/2019	3/13/2019

Bill To
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI 48080

Job Location

P.O. No.	Terms	Tech
	Net 30	

Date	Description	Quantity	Rate	Amount
3/12/19-	Began running 1" Rigid conduit for new equipment.			
3/13/19-	Finished running conduit. Pulled in wiring. Terminated wiring. Installed conduit to protect instrumentation wiring.			
	1' RMC Conduit	40	4.5978	183.91
	1" Rigid Factory 90	1	8.50	8.50
	1" Meyers Hub	2	9.20	18.40
	1' RMC Unistrut Strap	5	1.90	9.50
	7/8' Galvanized Unistrut, Slotted	2	2.59	5.18
	Metallic Cord Grip, 1/2" ID .125-.250"	1	9.99	9.99
	8"x12"x4" NEMA 4 Enclosure with Back Plate	1	3.3048	3.30
	1/4-20 Lead Anchor	8	0.59	4.72
	1/4" Fender Washer 1-1/4" OD	8	0.10	0.80
	1/4-20 x 1-1/4" Hex Head Bolt	8	0.10	0.80
	3/4' RMC Conduit	10	2.92	29.20
	3/4' RMC One Hole Strap	2	0.4474	0.89
	3/4' 3-Piece Coupling, Erickson	1	5.98	5.98
	3/4' to 1/2' Reducing Bushing	1	2.25	2.25
	3/4' Liquidtite Metallic Conduit	3	3.15	9.45
	3/4' Liquidtite Metallic Conduit 45 Deg Connector	2	3.75	7.50
	18/2 Shielded Cable	100	0.45	45.00
	16 AWG MTW Wire Blue	500	0.18	90.00
	16 AWG MTW Wire Blue/White	100	0.18	18.00
	DIN Rail	1	2.50	2.50
	Allen-Bradley 1492-J10 1492-J IEC Terminal Block, One-Circuit Feed-Through Block, 10 mm (# 22 AWG - # 8 AWG), Standard Feedthrough, Gray (Standard),	15	3.25	48.75
	Allen-Bradley 1492-JG10 1492-J IEC Terminal Block, One-Circuit Feed-Through Ground Block, 10 mm (# 22 AWG - # 8 AWG), Standard Feedthrough, Green / Yellow Stripe (Standard)	1	9.25	9.25
	Allen-Bradley 1492-EBJ3 End Barrier , Gray (Standard)	1	0.65	0.65
	Allen-Bradley 1492-EAJ35 End Anchor, Used w/ Standard 35mm Din Rail	2	3.00	6.00
			Total	

*Past Due Invoices Are Subject To 1.5% Per Month Finance Charge.
If you have any questions, please call 586.774.9110*

Colville Electric Co., LLC

15210 Toepfer Dr.
Eastpointe, MI 48021

Invoice

Invoice #	19-0219
Due Date	Date
4/12/2019	3/13/2019

Bill To
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI 48080

Job Location

P.O. No.	Terms	Tech
	Net 30	

Date	Description	Quantity	Rate	Amount
	Labor(@\$80/hr):JH	7	80.00	560.00
	Labor(@\$60/hr):AR	7	60.00	420.00
			Total	\$1,500.52

*Past Due Invoices Are Subject To 1.5% Per Month Finance Charge.
If you have any questions, please call 586.774.9110*



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	3/4/19
4. SET ID		
VP1936MUA		
5. POST DATE		

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
CONSUMERS ENERGY	01	203230438309	2/26/2019	\$ 1,332.68

CHILD RECORD DETAIL INFORMATION										
12. Org Key	13. Object	14. Job Ledger 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	92102	92102		8 1/2 MILE RELIEF	AC# 1000 0754 2523, 1/22-2/25	\$ 1,332.68	GEN		
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
O										
P										
Q										
R										
S										
23. Total: \$							1,332.68			

REV 08/2018

34. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: AMM

26. Chief Deputy: AB

27. Engineers:

28. Managers: UA

29. Coordinator: JK

30. Drain: 8 1/2 MILE RELIEF

31. Project Balance: N/A

32. Staff Date: 3/19/2019

33. Board Date: 4/8/2019

34. Select For Pay Date:



Questions:
Visit: ConsumersEnergy.com
Call us: 800-805-0490

Amount Due: **\$1,332.68**
Please pay by: **March 21, 2019**



**ATTN PUBLIC WORKS
MACOMB COUNTY
21777 DUNHAM RD
CLINTON TOWNSHIP MI 48036-1005**



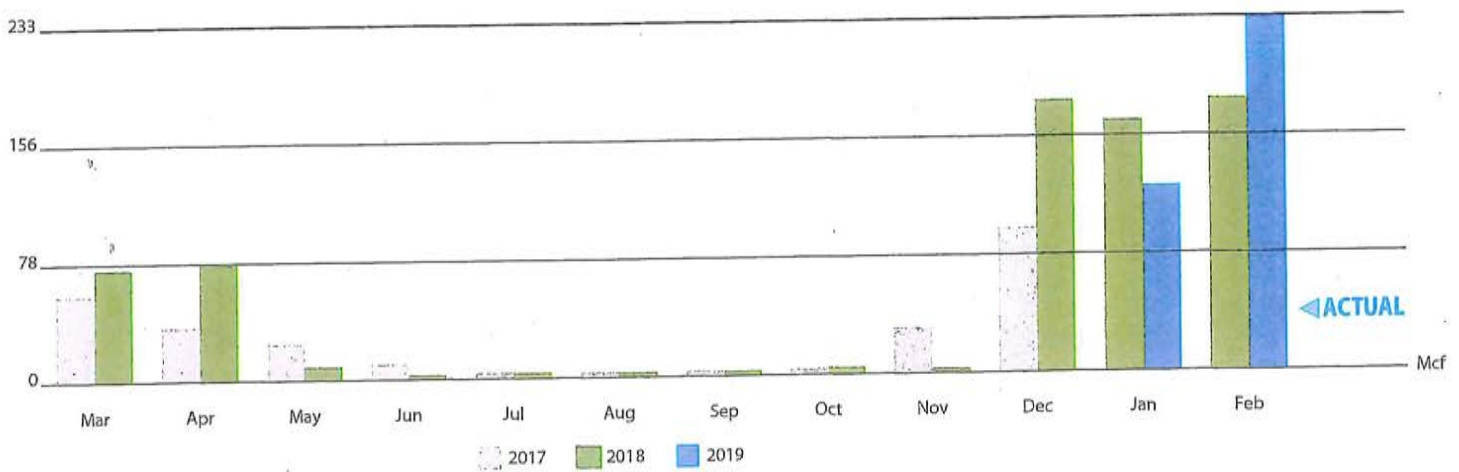
▶ **Thank You** - We received your last payment of **\$775.70** on **February 04, 2019**

▶ **Service Address:**
23301 E 9 MILE RD
SAINT CLAIR SHORES MI
48080-0000

February Energy Bill

Service dates: January 22, 2019 - February 25, 2019 (35 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



February Natural Gas Use
233.3 Mcf

Cost per day:
\$38.08

Mcf per day:
6.666

Prior 12 months of gas use:
744 Mcf

For more information, visit ConsumersEnergy.com/waysstopay

In person
Cash, check, card or money order
Varies by authorized payment location
Fee may apply



By mail
Check, money order
Consumers Energy
Payment Center
P.O. Box 740309
Cincinnati, OH 45274-0309



Same-day payment
866-329-9593
Discover® MasterCard®
Discover® or eCheck



Same-day payment
ConsumersEnergy.com
Discover® MasterCard®
Discover® or eCheck



eLockbox
via ACH
Secure electronic payment with emailed remittance



Auto-pay
Checking or savings
Discover® MasterCard® or Visa®
(Eligibility varies)



Ways to pay your energy bill:



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 3/15/19
4. SET ID VP19315MA		
5. POST DATE		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) Cummins Bridgeway	7. VENDOR NUMBER V05890	8. ADDR CODE 04	9. Invoice No (MAX = 16 CHARACTERS) S6-16789	10. Invoice Date 3/9/2019	11. Invoice Amount \$ 937.02
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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	93002	CC0004	93002		8 1/2 Mile Relief	Generator maintenance	\$ 937.02	GEN		
B											
C											
D											
E											
F											
G											
								23. Total: \$ 937.02			

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>DMM</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>AB</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	4/2/2019
28. Managers:	<i>WA</i>	33. Board Date:	4/8/2019
29. Coordinator:	<i>KK</i>	34. Select For Pay Date:	



Payment terms are 30 days from invoice date unless otherwise agreed upon in writing. Remit to:
 #774494
 4494 Solutions Center
 Chicago, IL 60677-4004

NEW HUDSON MI BRANCH
 54250 Grand River Avenue
 New Hudson, MI 48165
 (248)573-1900

PM CONTRACT INVOICE

PAGE 1 OF 1

INVOICE NO
S6-16789
REMIT TO:#774494 4494 Solutions Center Chicago,IL 60677-4004

BILLING ADDRESS:

MACOMB COUNTY DPW
 21777 DUNHAM RD
 CLINTON TWP, MI 48036-1005

SITE ADDRESS:

CHAPATAN
 23001 NINE MILE RD
 ST CLAIR SHORES, MI 48080

PM#: 22
BILLING MONTH: January
START DATE: 01-AUG-2018
END DATE: 31-JUL-2019
QUOTE #: 22434
REFERENCE #: BILL

(586) 772-3425

PETER TROMBLEY

DATE	CUSTOMER ORDER NO.	DATE IN SERVICE	ENGINE MODEL	PUMP NO.	EQUIPMENT MAKE
09-MAR-2019	SIGNED AGREEMENT		GFGA		ONAN
CUSTOMER NO.	SHIP VIA	FAIL DATE	ENGINE SERIAL NO.	CPL NO.	EQUIPMENT MODEL
207709			HM08H31673201		
REF. NO.	SALESPERSON	PARTS DISP.	MILEAGE/HOURS	PUMP CODE	UNIT NO.
	Daniel Roulo		213.3		CHAPATAN

QUANTITY ORDERED	BACK ORDERED	QUANTITY SHIPPED	PART NUMBER	DESCRIPTION	PRODUCT CODE	UNIT PRICE	AMOUNT

BILLING SCHEDULE: FULL PM SERVICE (FS)

INVOICE COMMENTS: GENERATOR MAINTENANCE: FULL SERVICE

UNIT SUBTOTAL: 937.02

TAX EXEMPT NUMBERS:

SUBTOTAL: 937.02

TAXES: LOCAL 0.00

Billing Inquiries? Call (877)480-6970

THERE ARE ADDITIONAL CONTRACT TERMS ON THE REVERSE SIDE OF THIS DOCUMENT, INCLUDING LIMITATION ON WARRANTIES AND REMEDIES, WHICH ARE EXPRESSLY INCORPORATED HEREIN AND WHICH PURCHASER ACKNOWLEDGES HAVE BEEN READ AND FULLY UNDERSTOOD.

TOTAL DUE: US \$ 937.02



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 3/22/19
4. SET ID VP19325MVA		
5. POST DATE		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to) CONSUMERS ENERGY	7. VENDOR NUMBER V01038	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 206700911764	10. Invoice Date 3/15/2019	11. Invoice Amount \$ 835.67

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	92102	CC0004	92102	:	8 1/2 Mile Relief	1000 0005 7313, 2/15-3/14	\$ 835.67	GEN		
B					:						
C					:						
D					:						
E					:						
F					:						
G					:						
23. Total: \$ 835.67											REV 08/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u> </u>	30. Drain: <u>8 1/2 Mile Relief</u>
26. Chief Deputy: <u> </u>	31. Project Balance: <u>N/A</u>
27. Engineers: <u> </u>	32. Staff Date: <u>4/2/2019</u>
28. Managers: <u>VP</u>	33. Board Date: <u>4/8/2019</u>
29. Coordinator: <u>KL</u>	34. Select For Pay Date: <u> </u>



Questions:
Visit: ConsumersEnergy.com
Call us: **800-805-0490**

Amount Due: **\$835.67**
Please pay by: **April 10, 2019**



**CHAPTON PUMPING STATION
MACOMB CO DRAIN COMM
21777 DUNHAM RD
CLINTON TOWNSHIP MI 48036-1005**



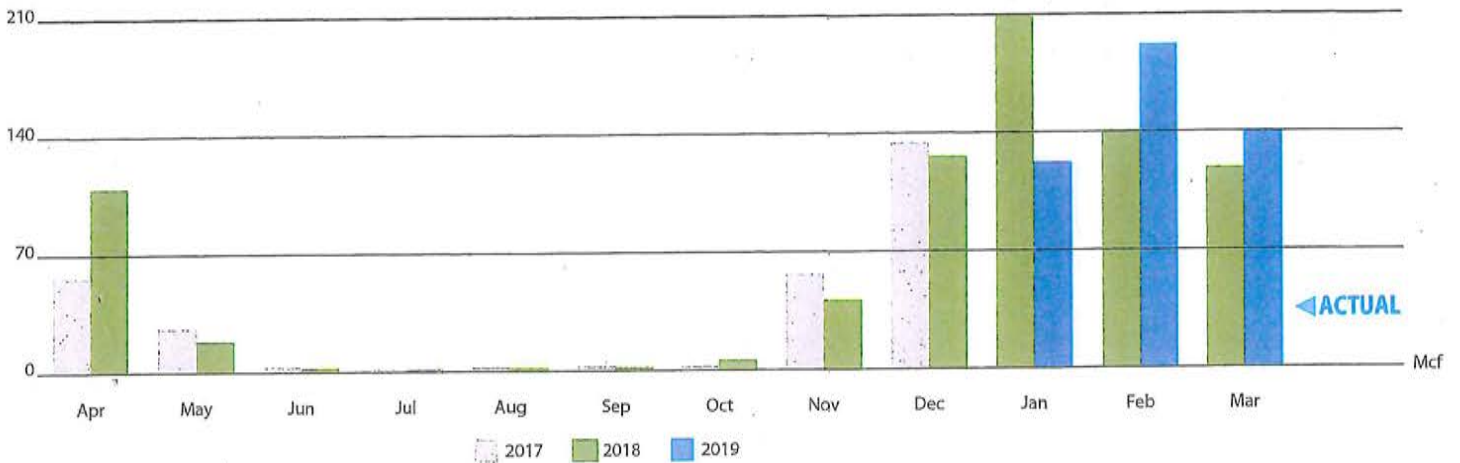
▶ **Thank You** - We received your last payment of **\$1,110.65** on **March 04, 2019**

▶ **Service Address:**
23001 E 9 MILE RD
SAINT CLAIR SHORES MI
48080-1576

March Energy Bill

Service dates: February 15, 2019 - March 14, 2019 (28 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



March Natural Gas Use
140.4 Mcf

Cost per day:
\$29.85

Mcf per day:
5.014

Prior 12 months of gas use:
772 Mcf

For more information, visit ConsumersEnergy.com/waysstopy

In person
Cash, check, card or money order
Varies by authorized payment location
Fee may apply



By mail
Check, money order
Consumers Energy
Payment Center
P.O. Box 740309
Cincinnati, OH 45274-0309



Same-day payment
866-329-9593
Discover® MasterCard®
Visa® or eCheck



Same-day payment
ConsumersEnergy.com
Visa® or eCheck
Discover® MasterCard®



eLockbox
via ACH
Secure electronic payment with emailed remittance



Auto-pay
Checking or savings
Discover® MasterCard® or Visa®
(Eligibility varies)



Ways to pay your energy bill:



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 3/15/19
4. SET ID VP19315MA		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) Cummins Bridgeway	7. VENDOR NUMBER V05890
8. ADDR CODE 04	9. Invoice No (MAX = 16 CHARACTERS) S6-16790
10. Invoice Date 3/9/2019	11. Invoice Amount \$ 714.82

General Ledger		Job Ledger		CHILD RECORD DETAIL INFORMATION						
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	93002	93002		8 1/2 Mile Relief	Generator load bank test	\$ 714.82	GEN		
B										
C										
D										
E										
F										
G										

REV 09/2018

23. Total: \$ 714.82

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>btm</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>AB</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	4/2/2019
28. Managers:	<i>UB</i>	33. Board Date:	4/8/2019
29. Coordinator:	<i>WK</i>	34. Select For Pay Date:	



NEW HUDSON MI BRANCH
 54250 Grand River Avenue
 New Hudson, MI 48165
 (248)573-1900

Payment terms are 30 days from invoice date unless otherwise agreed upon in writing. Remit to:
 #774494
 4494 Solutions Center
 Chicago, IL 60677-4004

PM CONTRACT INVOICE

PAGE 1 OF 1

INVOICE NO

S6-16790

REMIT TO:#774494 4494 Solutions Center Chicago,IL 60677-4004

BILLING ADDRESS:

MACOMB COUNTY DPW
 21777 DUNHAM RD
 CLINTON TWP, MI 48036-1005

SITE ADDRESS:

CHAPATAN
 23001 NINE MILE RD
 ST CLAIR SHORES, MI 48080

PM#: 22
 BILLING MONTH: February
 START DATE: 01-AUG-2018
 END DATE: 31-JUL-2019
 QUOTE #: 22434
 REFERENCE #: BILL

PETER TROMBLEY

(586) 772-3425

DATE	CUSTOMER ORDER NO.	DATE IN SERVICE	ENGINE MODEL	PUMP NO.	EQUIPMENT MAKE
09-MAR-2019	SIGNED AGREEMENT		GFGA		ONAN
CUSTOMER NO.	SHIP VIA	FAIL DATE	ENGINE SERIAL NO.	CPL NO.	EQUIPMENT MODEL
207709			HM08H31673201		
REF. NO.	SALESPERSON	PARTS DISP.	MILEAGE/HOURS	PUMP CODE	UNIT NO.
	Daniel Roulo		213.3		CHAPATAN

QUANTITY ORDERED	BACK ORDERED	QUANTITY SHIPPED	PART NUMBER	DESCRIPTION	PRODUCT CODE	UNIT PRICE	AMOUNT

BILLING SCHEDULE: 2HR LB BILLABLE

INVOICE COMMENTS: GENERATOR MAINTENANCE: 2-HR LOAD BANK

UNIT SUBTOTAL: 714.82

TAX EXEMPT NUMBERS:

SUBTOTAL: 714.82

TAXES: LOCAL 0.00

Billing Inquiries? Call (877)480-6970

THERE ARE ADDITIONAL CONTRACT TERMS ON THE REVERSE SIDE OF THIS DOCUMENT, INCLUDING LIMITATION ON WARRANTIES AND REMEDIES, WHICH ARE EXPRESSLY INCORPORATED HEREIN AND WHICH PURCHASER ACKNOWLEDGES HAVE BEEN READ AND FULLY UNDERSTOOD.

TOTAL DUE: US \$ 714.82



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 3/14/19
4. SET ID VP19315MUA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) DTE Energy		7. VENDOR NUMBER V01270	8. ADDR CODE 08	9. Invoice No (MAX = 16 CHARACTERS) 19-111	10. Invoice Date 3/7/2019	11. Invoice Amount \$ 7,620.86
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CHILD RECORD DETAIL INFORMATION											
Line	General Ledger			Job Ledger			OPTIONAL			21. MISC	22. Sep CK
	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		
A	8200017M	92101	CC0004	92101		8 1/2 Mile Relief	Acct #9100-0005-3785, 2/8-3/7	\$ 7,620.86	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **7,620.86**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>JHM</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<i>AB</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	4/2/2019
28. Managers:	<i>UB</i>	33. Board Date:	4/8/2019
29. Coordinator:	<i>KK</i>	34. Select For Pay Date:	



Payment Coupon

Account Number	910000053785
Due Date:	April 02, 2019
Total Due:	\$7,620.86

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

19-111

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
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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

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.



Summary Of Charges



Account Number 9100-0005-3785

Previous Balance as of 02/11/2019	7,764.58
Payment(s) and Credit(s)	- 7,764.58
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	02/08 - 03/07/19	7,620.86
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$7,620.86

Amount Due on or before Due Date of 04/02/2019 **\$7,620.86**

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





Mark A. Hachtel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)		2. PHONE #		3. DATE
Michelle Houvener		95966		3/12/19
4. SET ID		5. POST DATE		
V1919313MA				

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	380599	2/4/2019	\$ 3,336.00

CHILD RECORD DETAIL INFORMATION

General 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
8200017M	80138	CC00	80138	WO18369	8 1/2 Mile Relief	Pjt #181748 through 1/25/19	\$ 3,336.00	GEN		
20										

REV 09/2018

23. Total: \$ 3,336.00

34. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

8 1/2 Mile SRF Project Plan through 1/25/19

25. Finance Officer:		30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$20,722.50
27. Engineers:		32. Staff Date:	3/19/2019
28. Managers:		33. Board Date:	4/8/2019
29. Coordinator:		34. Select For Pay Date:	

W018369



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 : 380599
Invoice Date : 2/4/2019
Project : 181748
Project Name : Macomb Co PW/8 1/2 Drain SRF
Project Plan
Bill Term : 1

For Professional Services Rendered Through 1/25/2019

P.O. WWS-2018-xxx

	Fee	Available	Billings		
			To Date	Previous	Current
A - MCPWO	25,000.00	24,058.50	4,277.50	941.50	3,336.00
Rate Labor		3,336.00			
					3,336.00
					Amount Due This Bill 3,336.00

\$ 20,722.50

A - MCPWO

Rate Labor Class	Hours	Rate	Amount
Engineer	13.50	124.0000	1,674.00
Senior Engineer	1.00	157.0000	157.00
Staff Engineer	17.50	86.0000	1,505.00
Total Rate Labor			3,336.00
Total Bill Task: A - MCPWO			3,336.00

Total Project: 181748 - Macomb Co PW/8 1/2 Drain SRF Project Plan

3,336.00



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 3/12/19
4. SET ID VP19313MA		
5. POST DATE		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) FTCH	7. VENDOR NUMBER V44063	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 381150	10. Invoice Date 3/4/2019	11. Invoice Amount 9,128.50
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CHILD RECORD DETAIL INFORMATION

12. Org Key	13. Object	14. Job Ledger 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
8200017M	80138	CC0004	80138	WO18369	8 1/2 Mile Relief	Pjt #181748 through 2/22/19	\$ 9,128.50	GEN		
23										

23. Total: \$ **9,128.50**

4. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

8 1/2 Mile SRF Project Plan through 2/22/19

25. Finance Officer: AM

26. Chief Deputy: AD

27. Engineers: SP

28. Managers:

29. Coordinator: KC

30. Drain: 8 1/2 Mile Relief

31. Project Balance: \$11,594.00

32. Staff Date: 3/19/2019

33. Board Date: 4/8/2019

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 : 381150
 Invoice Date : 3/4/2019
 Project : 181748
 Project Name : Macomb Co PW/8 1/2 Drain SRF
 Project Plan
 Bill Term : 1

For Professional Services Rendered Through 2/22/2019

P.O. WO 18369

	Fee	Available	Billings		
			To Date	Previous	Current
A - MCPWO	25,000.00	20,722.50	13,406.00	4,277.50	9,128.50
Rate Labor	8,748.50				
Expenses	380.00				
			Current Billings		<u>9,128.50</u>
			Amount Due This Bill		<u>9,128.50</u>

\$ 11,594.00

A - MCPWO

Rate Labor Class	Hours	Rate	Amount
Engineer	7.50	113.0000	847.50
	50.50	124.0000	6,262.00
Total Engineer	58.00		7,109.50
Geographic Information Systems Manager	1.00	157.0000	157.00
Senior Engineer	1.00	157.0000	157.00
Staff Engineer	7.50	86.0000	645.00
Staff Engineering Specialist	8.00	85.0000	680.00
Total Rate Labor			8,748.50

Expenses Account / Vendor	Cost	Multiplier	Amount
Subconsultant			
Michigan State University	380.00	1.00	380.00
Total Expenses			380.00

Total Bill Task: A - MCPWO **9,128.50**

Total Project: 181748 - Macomb Co PW/8 1/2 Drain SRF Project Plan **9,128.50**



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

1. PREPARED BY Michelle Houvener	2. PHONE # 95966	3. DATE 3/29/19
4. SET ID V19329MA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) HESCO	7. VENDOR NUMBER V66420	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 20191158
			10. Invoice Date 3/13/2019
			11. Invoice Amount 3,807.29

CHILD RECORD DETAIL INFORMATION										
Line	12. Org Key	13. Object	14. Job Ledger		16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC
			Cost Center (CCNT)	15. Object						
A	8200017M	93002	CC0004	93002		8 1/2 Mile Relief	B2019611Q, Pulsafeeder	\$ 1,903.65	GEN	
B	8200072M	93002				Martin	B2019611Q, Pulsafeeder	\$ 1,903.64	GEN	0
C										
D										
E										
F										
G										
								23. Total: \$ 3,807.29		

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Pulsafeeder

25. Finance Officer:	<i>bhm</i>	30. Drain:	8 1/2 Mile Relief; Martin
26. Chief Deputy:	<i>AB</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	4/2/2019
28. Managers:	<i>UA</i>	33. Board Date:	4/8/2019
29. Coordinator:	<i>JK</i>	34. Select For Pay Date:	



Split between
8 1/2 & Martin

Invoice

Date	Invoice #
3/13/2019	20191158

Bill To
Macomb Cnty PW - Chapaton RTB 23001 E Nine Mile Rd St. Clair Shores, MI 48080

Ship To
Macomb Cnty PW - Chapaton RTB 23001 E Nine Mile Rd St. Clair Shores, MI 48080

S.O. No.	P.O. No.	Terms	Rep	Hesco #	
1013715	Verbal Kris Brenda	Net 30	HB	B2019611Q	
Item	Description	Ordered	Invoiced	Rate	Amount
Pulsafeeder	W204853-FTF Stop, Valve 2.00 D O	3	3	317.07	951.21
Pulsafeeder	W207782-FTF Valve, Disc 2.00 DIA	3	3	425.88	1,277.64
Pulsafeeder	W207783-FTF Seat, Valve 2.00 DO	3	3	451.62	1,354.86
Pulsafeeder	W204854-000 Sleeve valve 3.00 2.88 1.75	3	3	67.86	203.58
Freight	Shipping and Handling		1	20.00	20.00
				Subtotal	\$3,807.29
				Sales Tax (6.0%)	\$0.00
				Total	\$3,807.29
				Payments/Credits	\$0.00
				Balance Due	\$3,807.29



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 3/18/19
4. SET ID VP19 319 MF		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) HESCO	7. VENDOR NUMBER V66420	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 161025-6	10. Invoice Date 3/14/2019	11. Invoice Amount \$ 600.00
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CHILD RECORD DETAIL INFORMATION										
Line	General Ledger			16. Work Order Number	OPTIONAL		19. Amount	20. DIV	21. MISC	22 Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)		17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)				
A	8200017M	80126	CC0011	WO18101	8 1/2 Mile Relief	161025 App 6	\$ 600.00	GEN		
B										
C										
D										
E										
F										
G										

23. Total: \$ **600.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <i>[Signature]</i>	30. Drain: 8 1/2 Mile Relief
26. Chief Deputy: <i>[Signature]</i>	31. Project Balance: \$50,699.00
27. Engineers: <i>[Signature]</i>	32. Staff Date: 4/2/2019
28. Managers: <i>[Signature]</i>	33. Board Date: 4/8/2019
29. Coordinator: <i>[Signature]</i>	34. Select For Pay Date:



HESCO
 28838 Van Dyke Road
 Warren MI 48093
 248-476-7660

Unit Billing

HESCO Job: 161025
 Application: 6
 Period: 03/14/2019

8 1/2 Miles. 248.

W018101

Owner: Macomb County Public Works
 21777 Dunham Road
 Clinton Twp MI 48036

Job Location: 161025 Macomb ~~SEMOWDS-PM~~
 21777 Dunham Road
 Clinton Twp MI 48036

Attention: Vince Astorino

Application For Payment On Contract

Contract Sum to Date	63,899.00
Total Complete to Date	13,200.00
Total Retained	0.00
Total Earned Less Retained	13,200.00
Less Previous Billings	12,600.00
Current Payment Due	600.00
Balance on Contract	50,699.00

Contractor's Certification of Work

The undersigned contractor certifies that, to the best of the contractor's knowledge, the work on the above named job has been completed in accordance with the plans and specifications to the level of completion indicated on the attached schedule of completion.

[Signature] Date: 3/13/19

Terms: Invoices are due and payable 30DY from the date of invoice. All overdue amounts will be charged a service charge of 0.00 % per anum. Please make checks payable to: HESCO

Thank you for your prompt payment.

SUBMITTED BY:

HESCO
28838 Van Dyke Road
Warren MI 48093

PROJECT: 161025 Macomb SEMCWDS PM
21777 Dunham Road
Clinton Twp MI 48036

HESCO Job:
 Application: 6

Period: 03/14/2019

161025

Unit Billing

Schedule of Work Completed

Bid It#	Description	Price/Unit	Contract Plus Changes	Previous Units Billed	Current Units Complete	Total Units Complete	Previous Value	Current Value	Total Value
	Chapaton 9 Mile Dr	300.00	900.00	1.00		1.00	300.00		300.00
	Chapaton Dry Flow Pump #1	300.00	900.00	1.00	1.00	2.00	300.00	300.00	600.00
	Chapaton Intermedi	300.00	900.00	1.00	1.00	2.00	300.00	300.00	600.00
	Chapaton Wet well	300.00	900.00	1.00		1.00	300.00		300.00
	Chapaton North Su	300.00	900.00	1.00		1.00	300.00		300.00
	Chapaton South Su	300.00	900.00	1.00		1.00	300.00		300.00
	Jefferson & 9 Mile	300.00	900.00	2.00		2.00	600.00		600.00
	Chapaton East								
	NaOCI Flow to Head Tanks	300.00	900.00	1.00		1.00	300.00		300.00
	NaOCI Storage Tank 1	300.00	900.00	2.00		2.00	600.00		600.00
	NaOCI Storage Tank 2	300.00	900.00	2.00		2.00	600.00		600.00
	NaOCI Storage Tank 3	300.00	900.00	2.00		2.00	600.00		600.00
	Fisher Porter Mag.	300.00	900.00						
	Fisher Porter Mag.	300.00	900.00						
	NaOCI Head Tank Level 1	300.00	900.00						
	NaOCI Head Tank Level 2	300.00	900.00						
	Chapaton West Basin Level	300.00	900.00	2.00		2.00	600.00		600.00
	Chapaton Outfall Building								
	Chapaton Canal Lake Side	300.00	900.00	2.00		2.00	600.00		600.00
	Chapaton Canal Canal Side	300.00	900.00	2.00		2.00	600.00		600.00
	Martin Retention Basin								
	Drain East of Dry Flow Gates	300.00	900.00	2.00		2.00	600.00		600.00
	Drain West of Dry Flow Gates	300.00	900.00	2.00		2.00	600.00		600.00
	Basin Level	300.00	900.00	2.00		2.00	600.00		600.00
	NaOCI Flow to Head Tanks	300.00	900.00						
	NaOCI Storage Tank 1	300.00	900.00	2.00		2.00	600.00		600.00
	NaOCI Storage Tank 2	300.00	900.00	2.00		2.00	600.00		600.00

HEESCO
 28838 Van Dyke Road
 Warren MI 48093

PROJECT: 161025 Macomb SEMCWDS PM
 21777 Dunham Road
 Clinton Twp MI 48036

HESCO Job: 161025
 Application: 6
 Period: 03/14/2019

SUBMITTED BY: HESCO
 28838 Van Dyke Road
 Warren MI 48093

Schedule of Work Completed

Bid Item Description	Price/Unit	Contract Plus Changes	Previous Units Billed	Current Units Complete	Total Units Complete	Previous Value	Current Value	Total Value
Chlorination 1"	300.00	900.00						
Bon Hour Pump Station Flow (Flume)	300.00	900.00	2.00		2.00	600.00		600.00
Effluent (Harper)	300.00	900.00	2.00		2.00	600.00		600.00
Influent Ultrasonic	300.00	900.00	2.00		2.00	600.00		600.00
Influent Pressure Transducer	300.00	900.00						
Violet Pump Station Wet Well Level (Pre)	300.00	900.00	1.00		1.00	300.00		300.00
Wet Well Level (Ca)	300.00	900.00						
Proposed Chemical	300.00	900.00	2.00		2.00	600.00		600.00
Proposed Chemical	300.00	900.00	2.00		2.00	600.00		600.00
Proposed Flow Meter	300.00	900.00						
8 1/2 Mile Drian Re	300.00	900.00						
Instrumentation Replacement								
Chapaton NaoCl He	5,200.00	5,200.00						
Chapaton NaoCl He	5,200.00	5,200.00						
Fisher Porter Magn	7,333.00	7,333.00						
Fisher Porter Magn	7,333.00	7,333.00						
Martin Chlorination - 1"	7,333.00	7,333.00						
Totals:		63,899.00	42.00	2.00	44.00	12,600.00	600.00	13,200.00

Job # 161025 SEMCWDS Annual PM
2019
Site Visit Worksheet 2019

SEMCWDS Meters

Site	Technology	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
<u>Chapaton</u>													
9 Mile Drain E fo Tide Gates	Enviroanger Ultrasonic												
Dry Flow Pump 1	ABB Mag XM		25C										
Intermediate Pump 2	ABB Mag XM		25C										
Wet Well Radar Level	Siemens Radar												
North Suction Wet Well	Drexelbrook												
South Suction Wet Well	Drexelbrook												
Jefferson & 9 Mile Level	Hydroranger 100 Ultrasonic												
<u>Chapaton East</u>													
NaOCI Flow to Head Tanks	Fischer Porter Mag												
NaOCI Storage Tank 1	Hydroranger 100 Ultrasonic												
NaOCI Storage Tank 2	Hydroranger 100 Ultrasonic												
NaOCI Storage Tank 3	Hydroranger 100 Ultrasonic												
Siemens Mag Meter 1	Siemens Mag												
Siemens Magmeter 2	Siemens Mag												
NaOCI Head Tank Level 1	Drexelbrook												
NaOCI Head Tank Level 2	Drexelbrook												
West Basin Level	Hydroranger 200 Ultrasonic												
<u>Chapaton Outfall Bldg</u>													
Lake Side	Hydroranger Plus												
Canal Side	Hydroranger Plus												
<u>Martin Retention Basin</u>													
Martin Drain East	Hydroranger Plus												
Martin Drain West	Hydroranger 200												
Basin Level	Hydroranger 100												
NaOCI Flow to Head Tanks	Siemens MAG												
NaOCI Tank 1	Hydroranger 200												
NaOCI Tank 2	Hydroranger 100												
Chlorination 1"													
<u>Bon-Heur PS</u>													
Flow (Flume)													
Effluent (Harper)													
Influent Ultrasonic													
Influent Pressure													
<u>Violet PS</u>													
Wet Well Level Pressure	Hydroranger 200												
Wet Well Level Capacitance													
Proposed Chem Tank 1	Hydroranger 200												
Proposed Chem Tank 2	Hydroranger 200												
Proposed Flow Meter	Fluxem Fluxus												
<u>8 1/2 Mile Drain</u>													
Remote Level Sensor													



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	3/8/19
4. SET ID		
5. POST DATE		
VP19313MA		

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
Hubbell, Roth & Clark, Inc	V09517	01	168136	2/26/2019	\$ 34,191.57

CHILD RECORD DETAIL INFORMATION

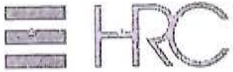
12. Org Key	13. Object	14. Job Ledger		15. Object	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
		Cost Center (CCNT)										
8200017M	80138	CC0004		80138	WO13850			Pjt#20180363.09, through 1/26/19	\$ 34,191.57	GEN		
33												

REV 09/2018

23. Total: \$ 34,191.57

4. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Chapaton Dry Weather and Pump Screen Improvements

25. Finance Officer:	<u>[Signature]</u>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:	<u>[Signature]</u>	31. Project Balance:	\$76,716.43 Contract / \$1,173,283.57 Project Balance
27. Engineers:	<u>[Signature]</u>	32. Staff Date:	3/19/2019
28. Managers:	<u>[Signature]</u>	33. Board Date:	4/8/2019
29. Coordinator:	<u>[Signature]</u>	34. Select For Pay Date:	



HUBBELL, ROTH & CLARK, INC.
 CONSULTING ENGINEERS
 PO BOX 824
 BLOOMFIELD HILLS, MICHIGAN 48303-0824
 (248) 454-6300

February 26, 2019
 Project No: 20180363.09
 Invoice No: 0168136

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

★ WO 18350
 CHAPATON DRY WEATHER PUMP AND SCREEN IMPROVEMENTS

Professional Services for period ending January 26, 2019

PROJECT 20180363.09
 CONTRACT ADMINISTRATION
Professional Personnel

		Hours		Amount	
	Totals	49.50		8,244.00	
	Total Labor				8,244.00
Billing Limits		Current	Prior	To-Date	
Total Billings		8,244.00	0.00	8,244.00	
Limit				24,536.00	
Remaining				16,292.00	
			Total this Project		\$8,244.00

PROJECT 20180363.20
 PUMP EVALUATION AND DESIGN
Professional Personnel

		Hours		Amount	
	Totals	60.70		6,458.33	
	Total Labor				6,458.33
Billing Limits		Current	Prior	To-Date	
Total Billings		6,458.33	0.00	6,458.33	
Limit				32,328.00	
Remaining				25,869.67	
			Total this Project		\$6,458.33

PROJECT 20180363.21
 BAR SCREEN REPLACEMENT
Professional Personnel

		Hours		Amount	
	Totals	149.50		19,489.24	
	Total Labor				19,489.24
Billing Limits		Current	Prior	To-Date	
Total Billings		19,489.24	0.00	19,489.24	
Limit				54,044.00	
Remaining				34,554.76	
			Total this Project		\$19,489.24

Total Due this Invoice	\$34,191.57
------------------------	-------------

CONTRACT BAL. / TOTAL BUDGET

Billing Backup

Tuesday, February 26, 2019

HUBBELL, ROTH & CLARK, INC.

Invoice 0168136 Dated 2/26/2019

10:16:21 AM

PROJECT 20180363.09

			Hours		Amount	
01727	SULLIVAN, TIMOTHY	10/6/2018	2.00	175.50	351.00	
01727	SULLIVAN, TIMOTHY	10/6/2018	6.00	175.50	1,053.00	
01727	SULLIVAN, TIMOTHY	10/6/2018	1.00	175.50	175.50	
01727	SULLIVAN, TIMOTHY	12/1/2018	3.00	175.50	526.50	
01727	SULLIVAN, TIMOTHY	12/1/2018	5.00	175.50	877.50	
01727	SULLIVAN, TIMOTHY	12/29/2018	4.00	175.50	702.00	
01727	SULLIVAN, TIMOTHY	1/26/2019	2.00	175.50	351.00	
01727	SULLIVAN, TIMOTHY	1/26/2019	6.00	175.50	1,053.00	
02270	URANGA, AARON	10/6/2018	1.00	138.00	138.00	
02270	URANGA, AARON	10/6/2018	3.50	138.00	483.00	
02270	URANGA, AARON	10/6/2018	2.00	138.00	276.00	
02270	URANGA, AARON	10/6/2018	1.00	138.00	138.00	
02270	URANGA, AARON	10/6/2018	2.00	138.00	276.00	
02270	URANGA, AARON	12/29/2018	4.00	138.00	552.00	
01586	VANDECREEK, JESSE	10/6/2018	2.00	184.50	369.00	
01586	VANDECREEK, JESSE	10/6/2018	2.00	184.50	369.00	
01586	VANDECREEK, JESSE	10/20/2018	1.00	184.50	184.50	
01586	VANDECREEK, JESSE	12/1/2018	2.00	184.50	369.00	
Totals			49.50		8,244.00	
Total Labor						8,244.00
					Total this Project	\$8,244.00

PROJECT 20180363.20

			Hours		Amount	
02465	BARANSKI, DANIELLE	12/29/2018	3.10	81.00	251.10	
02465	BARANSKI, DANIELLE	12/29/2018	6.60	81.00	534.60	
02465	BARANSKI, DANIELLE	1/12/2019	3.80	81.00	307.80	
02465	BARANSKI, DANIELLE	1/12/2019	6.70	81.00	542.70	
02465	BARANSKI, DANIELLE	1/12/2019	4.10	81.00	332.10	
02465	BARANSKI, DANIELLE	1/12/2019	6.90	81.00	558.90	
01482	PAREDES, EDUARDO	12/15/2018	2.50	120.45	301.13	
02550	SACK, STEVEN	12/15/2018	2.00	90.00	180.00	
02270	URANGA, AARON	10/20/2018	1.00	138.00	138.00	
02270	URANGA, AARON	11/17/2018	1.00	138.00	138.00	
02270	URANGA, AARON	12/1/2018	1.00	138.00	138.00	
02270	URANGA, AARON	12/1/2018	.50	138.00	69.00	
02270	URANGA, AARON	12/1/2018	1.00	138.00	138.00	
02270	URANGA, AARON	12/1/2018	4.00	138.00	552.00	
02270	URANGA, AARON	12/1/2018	1.50	138.00	207.00	
02270	URANGA, AARON	12/1/2018	2.50	138.00	345.00	
02270	URANGA, AARON	12/1/2018	3.00	138.00	414.00	
02270	URANGA, AARON	12/15/2018	1.00	138.00	138.00	
02270	URANGA, AARON	12/15/2018	1.00	138.00	138.00	
02270	URANGA, AARON	12/15/2018	4.50	138.00	621.00	
02270	URANGA, AARON	12/29/2018	.50	138.00	69.00	
02270	URANGA, AARON	12/29/2018	1.00	138.00	138.00	
02270	URANGA, AARON	1/26/2019	1.50	138.00	207.00	
Totals			60.70		6,458.33	
Total Labor						6,458.33
					Total this Project	\$6,458.33

PROJECT 20180363.21

			Hours		Amount
02332	BEDNAR, NOAH	11/3/2018	.50	82.50	41.25
02332	BEDNAR, NOAH	11/3/2018	2.00	82.50	165.00
02332	BEDNAR, NOAH	11/17/2018	1.50	82.50	123.75
02332	BEDNAR, NOAH	11/17/2018	3.00	82.50	247.50
01773	CRIST, CHRISTA	12/1/2018	1.00	115.50	115.50
01773	CRIST, CHRISTA	12/1/2018	1.50	115.50	173.25
01773	CRIST, CHRISTA	12/15/2018	5.00	121.89	609.45
01773	CRIST, CHRISTA	12/15/2018	6.00	121.89	731.34
01773	CRIST, CHRISTA	12/29/2018	1.00	113.88	113.88
01773	CRIST, CHRISTA	12/29/2018	1.50	113.88	170.82
01773	CRIST, CHRISTA	12/29/2018	.50	113.88	56.94
01773	CRIST, CHRISTA	1/26/2019	1.00	120.87	120.87
01773	CRIST, CHRISTA	1/26/2019	.50	120.87	60.44
02497	MCINALLY, CASSANDRA	10/6/2018	3.00	99.00	297.00
02497	MCINALLY, CASSANDRA	10/20/2018	2.50	99.00	247.50
01827	MELCHIOR, ADRIANNA	10/6/2018	.50	132.06	66.03
01827	MELCHIOR, ADRIANNA	10/6/2018	.50	132.06	66.03
01376	NACEY, RICHARD	12/15/2018	.50	167.79	83.90
02553	OWENS, MATTHEW	12/29/2018	1.00	94.50	94.50
02553	OWENS, MATTHEW	12/29/2018	15.00	94.50	1,417.50
02553	OWENS, MATTHEW	12/29/2018	.50	94.50	47.25
01482	PAREDES, EDUARDO	10/6/2018	1.00	118.92	118.92
01482	PAREDES, EDUARDO	10/6/2018	.50	118.92	59.46
01482	PAREDES, EDUARDO	10/6/2018	2.00	118.92	237.84
01482	PAREDES, EDUARDO	10/6/2018	.50	118.92	59.46
01482	PAREDES, EDUARDO	10/20/2018	4.50	122.97	553.36
01482	PAREDES, EDUARDO	10/20/2018	3.50	122.97	430.40
01482	PAREDES, EDUARDO	11/3/2018	9.50	122.43	1,163.08
01482	PAREDES, EDUARDO	11/3/2018	4.50	122.43	550.94
01482	PAREDES, EDUARDO	11/17/2018	4.50	130.32	586.44
01482	PAREDES, EDUARDO	12/1/2018	2.50	130.32	325.80
01402	ROBERTS, THOMAS	10/6/2018	7.00	110.82	775.74
01402	ROBERTS, THOMAS	10/6/2018	1.00	110.82	110.82
01402	ROBERTS, THOMAS	12/29/2018	6.00	107.70	646.20
01402	ROBERTS, THOMAS	1/12/2019	2.50	107.70	269.25
01402	ROBERTS, THOMAS	1/12/2019	6.00	107.70	646.20
02405	RODRICK, JOHN	12/15/2018	1.00	95.88	95.88
01727	SULLIVAN, TIMOTHY	10/6/2018	3.00	175.50	526.50
01727	SULLIVAN, TIMOTHY	10/6/2018	1.00	175.50	175.50
01727	SULLIVAN, TIMOTHY	10/6/2018	2.00	175.50	351.00
01727	SULLIVAN, TIMOTHY	10/20/2018	3.50	175.50	614.25
01727	SULLIVAN, TIMOTHY	10/20/2018	3.00	175.50	526.50
01727	SULLIVAN, TIMOTHY	11/3/2018	1.00	175.50	175.50
01727	SULLIVAN, TIMOTHY	11/3/2018	5.00	175.50	877.50
01727	SULLIVAN, TIMOTHY	11/3/2018	3.00	175.50	526.50
01727	SULLIVAN, TIMOTHY	11/3/2018	5.00	175.50	877.50
01727	SULLIVAN, TIMOTHY	11/3/2018	4.00	175.50	702.00
01727	SULLIVAN, TIMOTHY	11/17/2018	1.00	175.50	175.50

Project	20180363.09	CONTR ADMIN CHAPATON DRY WEATHER PUMP			Invoice	0168136
01727	SULLIVAN, TIMOTHY	11/17/2018	1.50	175.50	263.25	
01727	SULLIVAN, TIMOTHY	11/17/2018	3.00	175.50	526.50	
01727	SULLIVAN, TIMOTHY	11/17/2018	8.00	175.50	1,404.00	
01727	SULLIVAN, TIMOTHY	12/1/2018	.50	175.50	87.75	
	Totals		149.50		19,489.24	
	Total Labor					19,489.24
				Total this Project		\$19,489.24
				Total this Report		\$34,191.57

**8-1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT
CHAPATON RTB DRY WEATHER PUMP & SCREEN IMPROVEMENTS**

Task	Budget	Previously invoiced	amount due this invoice	total completed to date	% Complete	Balance Remaining
0 Task 1 & 2 - Project Management	\$ 24,536		0 \$	7,564.15 \$	31%	\$ 16,971.85
100 TASK 1 - Dry Weather Pump Evaluation and Design	\$ 32,328		0 \$	9,966.32 \$	31%	\$ 22,361.68
200 Task 2 - Bar Screen Replacement	\$ 54,044		0 \$	16,661.10 \$	31%	\$ 37,382.90
	\$ 110,908					

Invoice 1

0.02	14831.25	22%	\$ 7,564.15
0.07	12970.99	29%	\$ 9,966.32
0.4	6389.33	49%	\$ 16,661.10
	34191.57		\$ 34,191.57

CANDICE S. MILLER
MACOMB COUNTY PUBLIC WORKS COMMISSIONER
 21777 Dunham
 Clinton Twp, Michigan 48036
 Phone: (586) 469-5325

Invoice No. 2019-GF-8.5

INVOICE

Customer

Name Eight Half Mile Relief (0017)

Address _____

City _____

Date 2/28/2019

	Description		TOTAL
	Payback to General Fund for 75% of salary and fringe that was charged to General Fund (10/1/18 - 1/31/19) for accounting services. PLEASE MAKE CHECK PAYABLE TO: Macomb County Public Works		\$6,600.00
		TOTAL	\$6,600.00

For Office Use Only:

Date Received _____
Amount Received _____
Check No. _____
Deposit Date _____
Receipt No. _____
Voucher No./Date _____

Due Upon Receipt

BY: Bruce Manning
 Bruce Manning Financial Manager

MARTIN SANITARY DIVERSION, SEMCWWDS AND EIGHT ONE HALF MILE RELIEF
PERSONNEL REIMBURSEMENT TO General Fund
10/1/2018 - 1/31/2019

DESCRIPTION	AMOUNT	10.00% SEMCWDS	15.00% MARTIN	75.00% 8.5 MILE
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Total Salary	\$8,800.00	\$880.00	\$1,320.00	\$6,600.00
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Calculations regarding percentage Martin , SEMCWWDS and 8.5 Mile Relief owe General Fund for Salary and Fringe formerly charge to other drains.

OCT 1, 2018 -

SEPT 30, 2019

10-1-18 - 1-31-19

FY 2018-2019
8.5 MILE RELIEF BUDGET DETAIL SHEET
EXPENDITURE REQUEST SHEET

FUND: 0017
ACTIVITY: Personnel

P/Y BUDGET: \$801,626
REQUEST: \$875,405
INC/(DEC.): \$73,779

ACCOUNT EXPLANATION:

01306019

130
441130

10-2018

7590

DESCRIPTION	18/19	17/18
1) Pump Station Operators(6 FT operators and 2 PT)	416,115	452,765
2) Pump Station Standby	9,750	10,044
3) Operations Manager	90,900	87,975
4) Assistant Operations Mgr	68,881	28,054
5) SCADA Manager Support	37,311	9,000
6) SCADA-System Specialist (PT)	16,560	0
7) Engineering Support	91,860	54,863
8) Clerical Support	11,800	11,590
9) Overtime	41,250	108,171
10) Accounting	6,600	6,336
11) Administrative	34,379	32,828
12) MIDDD Field Operator Reimbursement	50,000	0
Total	875,405	801,626

Actual
Fixed Flat Amount

MIDD
MIDD
MIDD

GF

M ready 00
seller sides

INCREASE/DECREASE EXPLANATION:

- 1) Decrease relates to internal service cost now being included in utility section of the budget and having one vacant position.
- 4) In 17/18 this was only for 1/2 year
- 4) 75% of Chapaton staff is charged to 8.5 Mile Relief District. Remaining 25% is split between SEMCWWDS(10%) and Martin(15%).
- 6) Newly created position
- 7) Two engineers performing 8.5 Mile duties. Previously it was only one. Vince & Steve
- 5-6) These two positions were previously understated in prior budgets.
- 5-7) These positions will spend 37.5% of their time on 8.5 Mile Relief, 5% at SEMCWWDS, and 7.5% at Martin. The remaining 50% is with MIDDD. 8.5 Mile will pay MIDDD for these positions.
- 9) Decrease is due to internal services cost now being shown separately in the utilities section of budget. Previously part of this costs was included in overtime budget.
- 11) Cross charge for administrative personnel. 5.25% is charged to 8.5 Mile, the remaining is split between SEMCWWDS, Martin, MIDDD, and General.
- 12) Field Operators from the MIDDD will provide training and other assistance to the 8.5 Mile Drainage District
- 8-10) 75% of Chapaton staff is charged to 8.5 Mile Relief District. Remaining 25% is split between SEMCWWDS(10%) and Martin(15%).

Martin
Ser
8.5

Clerical
use flat Amt.



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvenér	2. PHONE # 95966	3. DATE 3/26/19
4. SET ID VP 19326MA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) Motor City Electric Technologies			7. VENDOR NUMBER V17465			8. ADDR CODE 02			9. Invoice No (MAX = 16 CHARACTERS) 92340			10. Invoice Date 3/4/2019			11. Invoice Amount \$ 19,942.48		
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General Ledger				Job Ledger		OPTIONAL		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	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)								
A	8200166M	93002	93002		MIDDD			Job #919500, 11/12/18-1/15/19	\$	16,359.28	GEN	MIDDD	0
B	8200166M	93002	93002		MIDDD (OMID)			Job #919500, 11/12/18-1/15/19	\$	739.69	GEN	MIDDD	0
C	8200017M	93002	93002		8 1/2 Mile Relief			Job #919500, 11/12/18-1/15/19	\$	2,132.63	GEN		0
D	8200072M	93002	93002		Martin			Job #919500, 11/12/18-1/15/19	\$	426.53	GEN		0
E	4 9703018M	93002	93002		SEMCWWDS			Job #919500, 11/12/18-1/15/19	\$	284.35	GEN		0
F													
G													
23. Total: \$										19,942.48			

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
MCPWO SCADA Radio Inspection Services per proposal 19-0294

25. Finance Officer:	<i>MM</i>	30. Drain:	Multiple
26. Chief Deputy:	<i>AB</i>	31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	4/2/2019
28. Managers:	<i>JA</i>	33. Board Date:	4/8/2019
29. Coordinator:	<i>KK</i>	34. Select For Pay Date:	



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

Job Number	919500	Sub Job	0	Contract Number	001	Date Performed	1/15/2019	Date	3/4/2019	Application Number	92340
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13030 MACOMB COUNTY PUBLIC WORKS
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP, MI 48036

BRENT WELSER

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	T&M	\$19,942.48	-	\$19,942.48	\$19,942.48	-	-
Totals:		\$19,942.48		\$19,942.48	\$19,942.48		
Less Retained:							
Invoice Total:				\$19,942.48			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORTS

WORK PERFORMED 11/12/18 THROUGH 1/15/2019

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."

MCET Invoice #92340, 3/4/19

Original	MIDD	OMID	8 1/2 Mile	Martin	SEMCWWDS	Total AppORTioned
\$676.00	\$290.68	\$47.32	\$253.50	\$50.70	\$33.80	\$676.00
\$1,276.00	\$1,276.00					\$1,276.00
\$1,276.00	\$1,097.36	\$178.64				\$1,276.00
\$676.00	\$607.68	\$68.32				\$676.00
\$1,614.00	\$1,614.00					\$1,614.00
\$1,952.00	\$839.36	\$136.64	\$732.00	\$146.40	\$97.60	\$1,952.00
\$1,276.00	\$1,276.00					\$1,276.00
\$169.00	\$72.67	\$11.83	\$63.38	\$12.68	\$8.45	\$169.00
\$676.00	\$581.36	\$94.64				\$676.00
\$676.00	\$676.00					\$676.00
\$338.00	\$145.34	\$23.66	\$126.75	\$25.35	\$16.90	\$338.00
\$1,276.00	\$548.68	\$89.32	\$478.50	\$95.70	\$63.80	\$1,276.00
\$1,276.00	\$548.68	\$89.32	\$478.50	\$95.70	\$63.80	\$1,276.00
\$2,614.98	\$2,614.98					\$2,614.98
\$1,986.50	\$1,986.50					\$1,986.50
\$2,184.00	\$2,184.00					\$2,184.00
\$19,942.48	\$16,359.26	\$739.69	\$2,132.63	\$426.53	\$284.35	\$19,942.48



Invoice Summary

Macomb County Public Works

Motor City Electric Technologies Inc.
9440 Grinnell, Detroit, MI 48213-1151

Job No: 919500

Invoice No: 92340

Invoice Date: 3/4/2019

Invoice Detail

INVOICE DETAIL	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	INVOICE TOTAL
Equipment				\$1,311.00		\$0.00	\$0.00	\$1,311.00
Labor	231.00			\$17,934.00		\$0.00	\$0.00	\$17,934.00
Material				\$606.50	\$0.00	\$90.98	\$90.98	\$697.48
Invoice Totals:	231.00			\$19,851.50		\$90.98	\$0.00	\$19,942.48

Invoice Detail by Field Report

11/12/2018 Office/Misc. *ALL*

Report Number: G13810	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	8.00			\$600.00		\$0.00	\$0.00	\$600.00
Report Totals:	8.00			\$676.00		\$0.00	\$0.00	\$676.00

11/14/2018 CT-S-4,FR-S-1,FR-S-2,ST-S-5 *MIDD*

Report Number: G13811	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
Report Totals:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00

11/15/2018 ST-S-2,ST-S-3,ST-S-1 *MIDD / OMID SPLIT*

Report Number: G13813	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
Report Totals:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00

11/16/2018 HR-S-3, CT-S-2, CH-S-1 *MIDD = \$188 / OMID / MIDD SPLIT \$488*

Report Number: G13814	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	8.00			\$600.00		\$0.00	\$0.00	\$600.00
Report Totals:	8.00			\$676.00		\$0.00	\$0.00	\$676.00

11/19/2018 Clintondale PS *MIDD = 100%*

Report Number: G13815	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$114.00		\$0.00	\$0.00	\$114.00
Labor	20.00			\$1,500.00		\$0.00	\$0.00	\$1,500.00
Report Totals:	20.00			\$1,614.00		\$0.00	\$0.00	\$1,614.00

11/20/2018 Command Center, HR-S-1,ST-S-4 *ALL*

Report Number: G13816	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$152.00		\$0.00	\$0.00	\$152.00
Labor	24.00			\$1,800.00		\$0.00	\$0.00	\$1,800.00
Report Totals:	24.00			\$1,952.00		\$0.00	\$0.00	\$1,952.00

11/21/2018 North Gratiot, Chapaton *MIDD 100%*

Report Number: G13817	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
Report Totals:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00

11/23/2018 Office

ALL

Report Number: G13818	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$19.00		\$0.00	\$0.00	\$19.00
Labor	2.00			\$150.00		\$0.00	\$0.00	\$150.00
Report Totals:	2.00			\$169.00		\$0.00	\$0.00	\$169.00

11/26/2018 Misc Sites SY-S-3, MA-S-2

MIDD / MID SPLIT

Report Number: G13819	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	8.00			\$600.00		\$0.00	\$0.00	\$600.00
Report Totals:	8.00			\$676.00		\$0.00	\$0.00	\$676.00

11/27/2018 Mis Sites, LX-S-1, LX-S-2, NH-S-1

MIDD

Report Number: G13821	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	8.00			\$600.00		\$0.00	\$0.00	\$600.00
Report Totals:	8.00			\$676.00		\$0.00	\$0.00	\$676.00

11/28/2018 Office

ALL

Report Number: G13822	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$38.00		\$0.00	\$0.00	\$38.00
Labor	4.00			\$300.00		\$0.00	\$0.00	\$300.00
Report Totals:	4.00			\$338.00		\$0.00	\$0.00	\$338.00

11/29/2018 Jail and County Building

ALL

Report Number: G13823	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
Report Totals:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00

11/30/2018 MPSCS 2703 Tower

ALL

Report Number: G13824	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
Report Totals:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00

1/14/2019 CT-S-3/ST-S-6

MIDD 100%

Report Number: G13825	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$152.00		\$0.00	\$0.00	\$152.00
Labor	24.00			\$1,800.00		\$0.00	\$0.00	\$1,800.00
Material				\$576.50	\$0.00	\$86.48	\$0.00	\$662.98
Report Totals:	24.00			\$2,528.50		\$86.48	\$0.00	\$2,614.98

1/15/2019 ST-S-6/CT-S-3

MIDD 100%

Report Number: G13826	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$152.00		\$0.00	\$0.00	\$152.00
Labor	24.00			\$1,800.00		\$0.00	\$0.00	\$1,800.00
Material				\$30.00	\$0.00	\$4.50	\$0.00	\$34.50
Report Totals:	24.00			\$1,982.00		\$4.50	\$0.00	\$1,986.50

2/28/2019 Remote

MIDD 100%

Report Number: 2019-01-15	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	21.00			\$2,184.00		\$0.00	\$0.00	\$2,184.00
Report Totals:	21.00			\$2,184.00		\$0.00	\$0.00	\$2,184.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13810

CUSTOMER: Macomb County Public Works DATE: 11/12/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: Office/Misc. CUSTOMER ORDER NO:

WORK PERFORMED:

Went through the paperwork with Eric. Drove around to some of the sites to look at what we will need.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
<i>Subtotal:</i>										\$600.00
<i>Field Labor</i>										
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
TOTAL:										\$600.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST
8.00	Service Truck/Van	\$9.50		\$76.00
TOTAL:				\$76.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	8.00			\$600.00		\$0.00	\$0.00	\$600.00
REPORT TOTALS:	8.00			\$676.00		\$0.00	\$0.00	\$676.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13811

CUSTOMER: Macomb County Public Works DATE: 11/14/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: CT-S-4,FR-S-1,FR-S-2,ST-S-5 CUSTOMER ORDER NO:

WORK PERFORMED:

Drove to the sites and checked the cabinets and cleaned them up as good as possible. Checked the weatherproofing and repaired as needed. Sprayed radio's with the hydrophobic coating.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
Field Labor									<i>Subtotal:</i>	\$1,200.00
Jones, Phil	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$1,200.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST
8.00	Service Truck/Van	\$9.50		\$76.00
			TOTAL:	\$76.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
REPORT TOTALS:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13813

CUSTOMER: Macomb County Public Works DATE: 11/15/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: ST-S-2,ST-S-3,ST-S-1 CUSTOMER ORDER NO:

WORK PERFORMED:

Cleaned up cabinets as good as possible. Checked weatherproofing on the connectors and sprayed the antennas with hydrophobic coating.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
Field Labor	<i>Subtotal:</i>									\$1,200.00
Jones, Phil	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$1,200.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
8.00	Service Truck/Van	\$9.50		\$76.00	
				TOTAL:	\$76.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
REPORT TOTALS:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13814

CUSTOMER: Macomb County Public Works DATE: 11/16/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: HR-S-3, CT-S-2, CH-S-1 CUSTOMER ORDER NO:

WORK PERFORMED:

Cleaned up cabinets. Checked weatherproofing on the connectors. Sprayed antennas with hydrophobic coating.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
									<i>Subtotal:</i>	\$600.00
<i>Field Labor</i>										\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$600.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
8.00	Service Truck/Van	\$9.50		\$76.00	
				TOTAL:	\$76.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	8.00			\$600.00		\$0.00	\$0.00	\$600.00
REPORT TOTALS:	8.00			\$676.00		\$0.00	\$0.00	\$676.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13815

CUSTOMER: Macomb County Public Works DATE: 11/19/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: Clintondale PS CUSTOMER ORDER NO:

WORK PERFORMED:

Cleaned up cabinets. Climbed the tower to check weatherproofing, hardware and sprayed with hydrophobic coating. Al got bucket truck ready for next day.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
									<i>Subtotal:</i>	\$1,500.00
<i>Field Labor</i>										
Barkley, Al	4.00	\$75.00	\$300.00		\$105.00	\$0.00		\$0.00	\$0.00	\$300.00
Jones, Phil	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$1,500.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
8.00	Service Truck/Van	\$9.50		\$76.00	
4.00	Bucket Truck	\$9.50		\$38.00	
				TOTAL:	\$114.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$114.00		\$0.00	\$0.00	\$114.00
Labor	20.00			\$1,500.00		\$0.00	\$0.00	\$1,500.00
REPORT TOTALS:	20.00			\$1,614.00		\$0.00	\$0.00	\$1,614.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13816

CUSTOMER: Macomb County Public Works DATE: 11/20/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: Command Center, HR-S-1,ST-S-4 CUSTOMER ORDER NO:

WORK PERFORMED:

Cleaned up cabinets. Checked hardware and weatherproofing. Sprayed antennas with hydrophobic coating.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
									<i>Subtotal:</i>	\$1,800.00
<i>Field Labor</i>										
Barkley, Al	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Jones, Phil	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$1,800.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
8.00	Bucket Truck	\$9.50		\$76.00	
8.00	Service Truck/Van	\$9.50		\$76.00	
				TOTAL:	\$152.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$152.00		\$0.00	\$0.00	\$152.00
Labor	24.00			\$1,800.00		\$0.00	\$0.00	\$1,800.00
REPORT TOTALS:	24.00			\$1,952.00		\$0.00	\$0.00	\$1,952.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13817

CUSTOMER: Macomb County Public Works DATE: 11/21/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: North Gratiot, Chapaton CUSTOMER ORDER NO:

WORK PERFORMED:

Cleaned up cabinets. Checked hardware and weatherproofing on connectors. Sprayed hydrophobic coating on radios / antennas

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
									<i>Subtotal:</i>	\$1,200.00
<i>Field Labor</i>										
Jones, Phil	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$1,200.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
8.00	Service Truck/Van	\$9.50		\$76.00	
				TOTAL:	\$76.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
REPORT TOTALS:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13818

CUSTOMER: Macomb County Public Works DATE: 11/23/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: Office CUSTOMER ORDER NO:

WORK PERFORMED:

Worked on downloading pictures and filling out paperwork.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL	
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST		
<i>Field Labor</i>										Subtotal:	\$150.00
Thaxton, Don	2.00	\$75.00	\$150.00		\$105.00	\$0.00		\$0.00	\$0.00		\$150.00
										TOTAL:	\$150.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST		
2.00	Service Truck/Van	\$9.50		\$19.00		
					TOTAL:	\$19.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$19.00		\$0.00	\$0.00	\$19.00
Labor	2.00			\$150.00		\$0.00	\$0.00	\$150.00
REPORT TOTALS:	2.00			\$169.00		\$0.00	\$0.00	\$169.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: **G13819**

CUSTOMER: Macomb County Public Works DATE: 11/26/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: Misc Sites SY-S-3, MA-S-2 CUSTOMER ORDER NO:

WORK PERFORMED:

Drove around to some of the sites to get pictures and get them downloaded for the paperwork. Dressed cabinets up, checked weatherproofing and hardware. Sprayed with hydrophobic coating.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
									Subtotal:	\$600.00
<i>Field Labor</i>										
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$600.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
8.00	Service Truck/Van	\$9.50		\$76.00	
				TOTAL:	\$76.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	8.00			\$600.00		\$0.00	\$0.00	\$600.00
REPORT TOTALS:	8.00			\$676.00		\$0.00	\$0.00	\$676.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13821

CUSTOMER: Macomb County Public Works DATE: 11/27/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: Mis Sites,LX-S-1,LX-S-2,NH-S-1 CUSTOMER ORDER NO:

WORK PERFORMED:

Went to some of the sites to clean up the cabinets and get pictures. Dressed the cabinets up, checked weatherproofing and hardware. Sprayed with hydrophobic coating.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
<i>Field Labor</i>										Subtotal: <i>\$600.00</i>
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
										TOTAL: \$600.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST
8.00	Service Truck/Van	\$9.50		\$76.00
				TOTAL: \$76.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	8.00			\$600.00		\$0.00	\$0.00	\$600.00
REPORT TOTALS:	8.00			\$676.00		\$0.00	\$0.00	\$676.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13822

CUSTOMER: Macomb County Public Works DATE: 11/28/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: Office CUSTOMER ORDER NO:

WORK PERFORMED:

Worked on downloading pictures and paperwork.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
<i>Subtotal:</i>									\$300.00	
Field Labor										
Thaxton, Don	4.00	\$75.00	\$300.00		\$105.00	\$0.00		\$0.00	\$0.00	\$300.00
TOTAL:									\$300.00	

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST
4.00	Service Truck/Van	\$9.50		\$38.00
TOTAL:				\$38.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$38.00		\$0.00	\$0.00	\$38.00
Labor	4.00			\$300.00		\$0.00	\$0.00	\$300.00
REPORT TOTALS:	4.00			\$338.00		\$0.00	\$0.00	\$338.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13823

CUSTOMER: Macomb County Public Works DATE: 11/29/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: Jail and County Building CUSTOMER ORDER NO:

WORK PERFORMED:

Got our escort to the jail roof to check the weatherproofing. Grounding and hardware on everything. Sprayed with hydrophobic coating. Had our escort to the top of the County Building to perform the same.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
									<i>Subtotal:</i>	\$1,200.00
<i>Field Labor</i>										
Jones, Phil	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$1,200.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
8.00	Service Truck/Van	\$9.50		\$76.00	
				TOTAL:	\$76.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
REPORT TOTALS:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13824

CUSTOMER: Macomb County Public Works DATE: 11/30/2018 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: MPSCS 2703 Tower CUSTOMER ORDER NO:

WORK PERFORMED:

Climbed tower to check weatherproofing, grounding and hardware. Sprayed with hydrophobic coating.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
									<i>Subtotal:</i>	\$1,200.00
<i>Field Labor</i>										
Jones, Phil	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$1,200.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST
8.00	Service Truck/Van	\$9.50		\$76.00
				TOTAL: \$76.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$76.00		\$0.00	\$0.00	\$76.00
Labor	16.00			\$1,200.00		\$0.00	\$0.00	\$1,200.00
REPORT TOTALS:	16.00			\$1,276.00		\$0.00	\$0.00	\$1,276.00



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FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: G13825

CUSTOMER: Macomb County Public Works DATE: 1/14/2019 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: CT-S-3/ST-S-6 CUSTOMER ORDER NO:

WORK PERFORMED:

Removed the old radio. Had to extend the mount for the new radio, tested the cable and got the new radio mounted and aimed. Straightened up the cabinet and mounted the POE power supplies. Ran over to ST-S-6 to get started on removing the old radio.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
									<i>Subtotal:</i>	\$1,800.00
<i>Field Labor</i>										
Barkley, Al	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Jones, Phil	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
									TOTAL:	\$1,800.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
8.00	Service Truck/Van	\$9.50		\$76.00	
8.00	Bucket Truck	\$9.50		\$76.00	
				TOTAL:	\$152.00

MATERIAL

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST	
1	18" Pipe Extension	\$30.00		\$30.00	
2	Airmax 5 GHZ Antenna	\$187.78		\$375.56	
2	Airmax Rocket Radios 5 GHZ	\$85.47		\$170.94	
				TOTAL:	\$576.50

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$152.00		\$0.00	\$0.00	\$152.00
Labor	24.00			\$1,800.00		\$0.00	\$0.00	\$1,800.00
Material				\$576.50	\$0.00	\$86.48	\$0.00	\$662.98
REPORT TOTALS:	24.00			\$2,528.50	\$0.00	\$86.48	\$0.00	\$2,614.98



9440 GRINNELL, DETROIT, MI 48213-1151

FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: **G13826**

CUSTOMER: Macomb County Public Works DATE: 1/15/2019 MCE JOB NO: 919500 SHEET OF
 LOCATION OF WORK: ST-S-6/CT-S-3 CUSTOMER ORDER NO:

WORK PERFORMED:

Finished removing old antenna. Mounted new radio, tested cable. Cleaned up cabinet and mounted POE power supply. Aimed radio back to CT-S-3. Programmed the radios and had to run to CT-S-3 to tweak the alignment back to ST-S-6. Brent and I were able to ping the radios both ways.

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
<i>Field Labor</i>										<i>Subtotal: \$1,800.00</i>
Barkley, Al	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Jones, Phil	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
Thaxton, Don	8.00	\$75.00	\$600.00		\$105.00	\$0.00		\$0.00	\$0.00	\$600.00
TOTAL:										\$1,800.00

EQUIPMENT

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST
8.00	Service Truck/Van	\$9.50		\$76.00
8.00	Bucket Truck	\$9.50		\$76.00
TOTAL:				\$152.00

MATERIAL

QTY	DESCRIPTION	UNIT COST	U/M	EXTENDED COST
1	18" Pipe Extension	\$30.00		\$30.00
TOTAL:				\$30.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Equipment				\$152.00		\$0.00	\$0.00	\$152.00
Labor	24.00			\$1,800.00		\$0.00	\$0.00	\$1,800.00
Material				\$30.00	\$0.00	\$4.50	\$0.00	\$34.50
REPORT TOTALS:	24.00			\$1,982.00	\$0.00	\$4.50	\$0.00	\$1,986.50



9440 GRINNELL, DETROIT, MI 48213-1151

FIELD REPORT

MOTOR CITY ELECTRIC TECHNOLOGIES

REPORT NO: 2019-01-15

CUSTOMER: Macomb County Public Works DATE: 2/28/2019 MCE JOB NO: 919500 SHEET OF

LOCATION OF WORK: Remote CUSTOMER ORDER NO:

WORK PERFORMED:

Project Management and Administrative

LABOR

LABOR CLASSIFICATION / NAME	STRAIGHT TIME			TIME AND ONE HALF			DOUBLE TIME			TOTAL
	HRS	RATE	COST	HRS	RATE	COST	HRS	RATE	COST	
<i>Project Manager</i>										Subtotal: <i>\$2,184.00</i>
Maechtle, Robert	21.00	\$104.00	\$2,184.00		\$0.00	\$0.00		\$0.00	\$0.00	\$2,184.00
										TOTAL: \$2,184.00

REPORT SUMMARY	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	21.00			\$2,184.00		\$0.00	\$0.00	\$2,184.00
REPORT TOTALS:	21.00			\$2,184.00		\$0.00	\$0.00	\$2,184.00

Budget to Actual
8.5 Mile Relief
As of March 31, 2019 = 50%

DESCRIPTION	2019 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	26,000		29,931	(3,931)	115.1%
Other Revenue	1,500		26,840	(25,340)	1789.3%
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	15,300		7,682	7,678	50.0%
Total Revenue Accounts	5,887,126	-	6,962,719	(1,075,593)	118.3%
EXPENSE ACCOUNTS					
Application/Permit Fee	3,000		3,000	-	100.0%
Dues, Training, Conf, Subs.	5,750		6,975	(1,225)	121.3%
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		12,465	62,535	16.6%
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			1,000,000	0.0%
In-System Storage Design(Gates on 8.5 Tunnel)	500,000			500,000	0.0%
New Equipment					
Office Supplies	750		442	308	58.9%
Operating Supplies	82,750		33,048	49,702	39.9%
Other Professional Svcs	47,920		29,203	18,717	60.9%
Personnel Services	875,405		439,166	436,239	50.2%
Repair & Maintenance	100,615		90,309	10,306	89.8%
Switch gear	45,000			45,000	0.0%
Painting interior and garage facade	20,000			20,000	0.0%
Instrumentation all buildings	30,000			30,000	0.0%
Canal seawall sheeting	5,000			5,000	0.0%
Driveway grate	12,000			12,000	0.0%
Pumping and screening improvements	1,250,000		34,192	1,215,808	2.7%
CHA-EB Chem Flow Meter - Basin Gates (Pumps 4-5)	10,000			10,000	0.0%
Security Fence Structures Around Gate Actuators	60,000			60,000	0.0%
Electrical Upgrade Program	10,000			10,000	0.0%
Pump Station Exterior Wall Upgrades-Basin Kneewall	4,000			4,000	0.0%
9 Mile Dewatering Gate	5,000			5,000	0.0%
SRF Replacemnet Reserve	259,215			259,215	0.0%
Scada System					
Scada System	190,073		121,560	68,513	64.0%
Utilities	284,148		57,017	227,131	20.1%
Total Expense Accounts	5,887,126	-	966,439	4,920,687	16.4%

	O&M Balance 9/30/2018	O&M	Total 3/31/2019
Cash - Operating	4,445,246	5,996,280	10,441,526
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		6,962,719	6,962,719
Expenditures		966,439	966,439
			0
Equity*	4,445,246		10,441,526

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