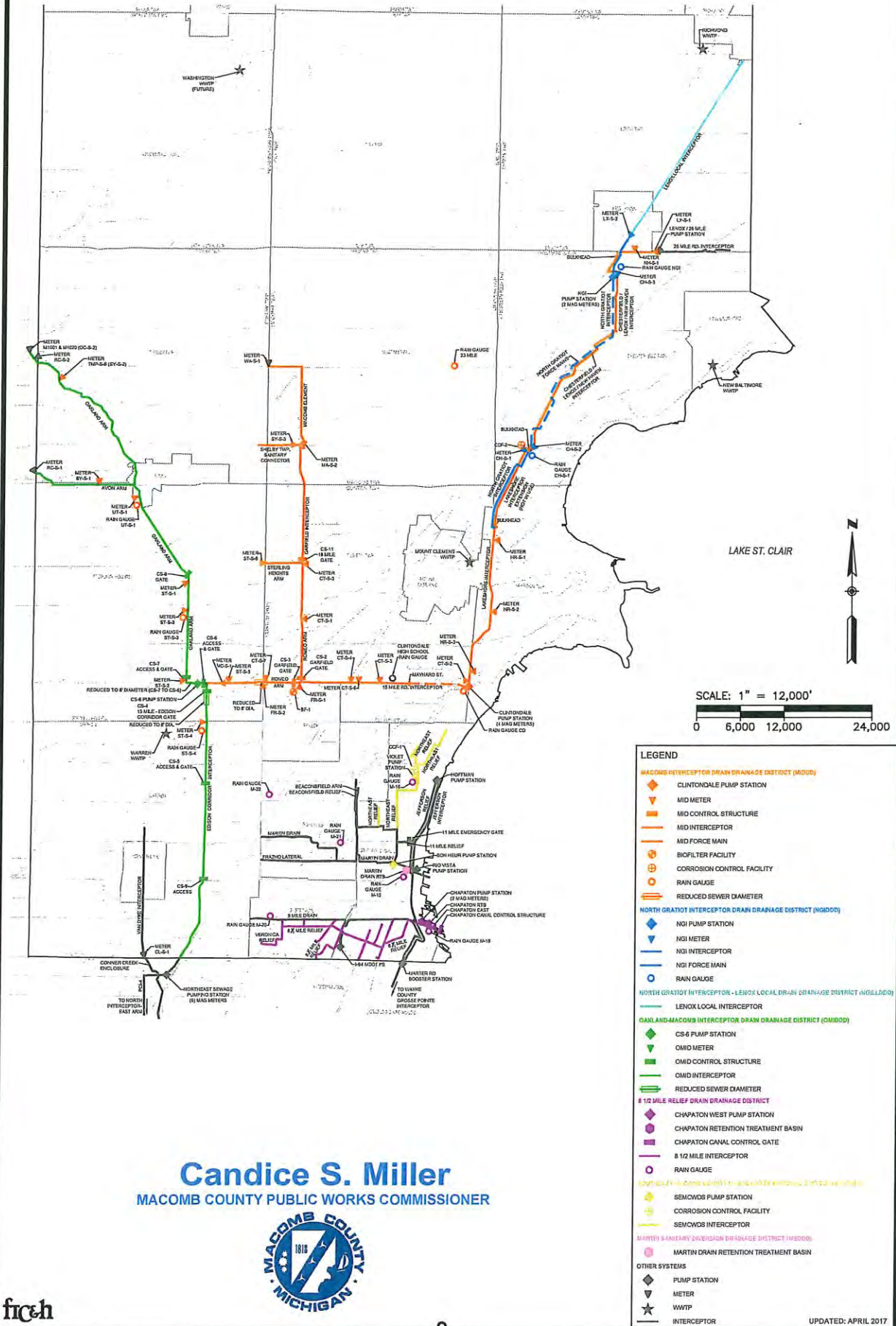


Miller
Santo
Klinefelt

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
MARCH 11, 2019
10:00 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for March 11, 2019	
3. Approval of Minutes for February 11, 2019	3
4. Public Participation	
5. Project Update – Vince Astorino	
6. Consideration for approval of invoices (see attached)	6
7. Financial Report – Bruce Manning	53
8. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



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 February 11, 2019, at 10:03 A.M.

PRESENT: Brian Baker, Acting Chair
Bryan Santo, Member
Veronica Klinefelt, Member

ALSO PRESENT: Harold Haugh, Joe Romano, Marvin Sauger, Macomb County Board of Commissioners; Vince Astorino, Operations & Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, Environmental Engineer, Karen Czernel, Deputy, Dan Heaton, Communications Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Madison Tanghe, Senior Secretary, Macomb County Public Works; Kip Walby, Southeast Macomb Sanitary District

The meeting was called to order by the Acting Chair, Brian Baker. A motion was made by Mr. Santo, supported by Mr. Klinefelt to approve the agenda as presented.

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of January 14, 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 on the pump and screening project. \$1.25 million is budgeted to replace the bar screens at the facility and to add a third intermediate pump. We have just received a basis of design report. We have reviewed all the different options for replacing the screens and adding a different size pump. We will review the report, then once satisfied, will move forward with the design.

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

Mr. Astorino informed the Board that the current security cameras at Chapaton West Building need to be replaced due to age and lack of replacement parts.

A motion was made by Ms. Klinefelt, supported by Mr. Santo, to award the proposal from Abel Electronics for the purchase and installation of replacement security cameras at the Chapaton West Building for a not to exceed amount of \$42,445.

Adopted: YEAS: 3
NAYS: 0

Mr. Astorino gave a presentation on the Chapaton rehabilitation canal upgrade. The project will expand storage within the Chapaton RTB canal up to 15-20 Million Gallons (MG). This combined with additional 10-15 MG in the Phase 2 (In-System storage project) will give us over 30 MG of storage and effectively reduce Combined Sewer Overflows by up to 75%. This project will also look to create a green space which could be used for further water quality improvements, public recreation and educational training areas. Macomb County Public Works Office has already started setting up meetings with our Legislatures for funding and have submitted the revised plan from Wade Trim to the Great Lakes Restoration Initiative (GLRI). MCPWO has been told that GLRI has upgraded us to a Tier 1 status for grant funding which they have \$5 million allocated for the State of Michigan.

A motion was made by Ms. Klinefelt, supported by Mr. Santo, to approve the proposal from Wade Trim for the design of the Chapaton RTB Canal Upgrade for a not-to-exceed amount of \$977,661.

Adopted: YEAS: 3
NAYS: 0

Mr. Bantios informed the Board that we received bids for a 2 year contract lawn maintenance for all districts. Marino's Landscape came in at the lowest bid.

A motion was made by Ms. Klinefelt, supported by Mr. Santo, to approve the quote from Marino's Landscape for mowing services for the 8 ½ Mile Drainage District based on unit prices totaling \$16,632 for the 2019 and 2020 mowing season.

Adopted: YEAS: 3
NAYS: 0

The Acting Chair presented the invoices totaling \$109,044.22 to the board for review and approval.

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 10:34 a.m.



Brian Baker, Acting 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 February 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.



Brian Baker, Acting Chair
Macomb County Public Works Commissioner

DATED: 2/11/19

EIGHT AND ONE-HALF MILE RELIEF DRAIN 2/19/19 - 3/5/19

<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%	Manning	Bank of New York Mellon, N.A.	\$ 68,966.13	Invoice #19-066 - 02.28.19	Debt Service - SRF 5579, 5460, 5393, 5306	
		Astorino	CDW Government	\$ 3,367.11	Invoice #RBT3562 - 02.12.19	Soniewall - SCADA Network	
		Astorino	Consumers Energy	\$ 662.61	Invoice #202607470677 - 02.15.19	Chapaton East	
		Astorino	Consumers Energy	\$ 1,110.65	Services through 01.12.19 - 02.14.19 Invoice #204031338385 - 02.15.19	Chapaton Pump Station	
		Astorino	DTE Energy	\$ 7,764.58	Services through 01.12.19 - 02.14.19 Invoice #19-059 - 02.07.19		
		Astorino	Fluid Systems Engineering	\$ 791.25	Invoice #W73245-001 - 01.21.19	Accumulator System Filter & Oil Changes	
		Astorino	Fluid Systems Engineering	\$ 650.62	Invoice #W79719-001 - 02.06.19	Hydraulic Gate Repair	
		Astorino	HESCO	\$ 1,250.00	Invoice #20191144 - 02.25.19	Field Service - Start-up, Training, Flow Pacing Cable and set-up & Verification	
		Astorino	Jones Chemicals, Inc.	\$ 4,289.74	Invoice #780670 - 01.31.19	Hypochlorite Solution - 4,745 gallons	
		Bantios	Kienbaum Hardy Viviano Pelton & Forrest PLC	\$ 562.50	Invoice #41564 - 02.07.19 January 2019	Legal Services - Canal Contract	
		Astorino	Macomb County Treasurer	\$ 370,070.72	Invoice #AR190123 - 02.05.19	Reimbursement to Macomb County for 8 1/2 Mile Relief 4th Quarter	
		Astorino	Motor City Technologies	\$ 108,058.00	Invoice #35210 - 02.08.19	Flow Meters, Change Order 1 & 2	
		Astorino	Swan Analytical Instruments	\$ 3,953.70	Invoice #IN-US19-0429 - 02.18.19	Cleaning Module	
		Astorino	Wade Trim	\$ 17,936.50	Invoice #M2013691 - 02.01.19	Chapaton RTB Segmentation/Disinfection Study	
		Total	\$ 589,434.11				



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 2/19/19
4. SET ID VP19220MDA		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be issued to) Bank of New York Mellon, N.A.	11. Invoice Amount 68,966.13
7. VENDOR NUMBER V44695	10. Invoice Date 2/8/2019
8. ADDR CODE 03	19-066

CHILD RECORD DETAIL INFORMATION										
Line	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
A	8200017D	99500	CC0005	99500	WO18359	8 1/2 Mile Relief	5306-01/Final - 3/25/19	\$ 30,625.00	GEN	
B	8200017D	99500	CC0006	99500	WO18366	8 1/2 Mile Relief	5393-01/Final - 3/25/19	\$ 10,232.24	GEN	
C	8200017D	99100	CC0007	99100	WO18361	8 1/2 Mile Relief	5460-01/Final - 3/25/19	\$ 20,000.00	GEN	0
D	8200017D	99500	CC0007	99500	WO18361	8 1/2 Mile Relief	5460-01/Final - 3/25/19	\$ 3,754.31	GEN	0
E	8200017D	99500	CC0025	99500	WO18163	8 1/2 Mile Relief	5579-01/Final - 3/25/19	\$ 4,354.58	GEN	0
F										
G										

23. Total: \$ **68,966.13** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Debt Service due 3/25/19

25. Finance Officer: <i>AM</i>	30. Drain: 8 1/2 Mile Relief
26. Chief Deputy:	31. Project Balance: N/A
27. Engineers:	32. Staff Date: 3/5/2019
28. Managers:	33. Board Date: 3/11/2019
29. Coordinator: <i>MT</i>	34. Select For Pay Date:

144695 (03)

**Michigan Finance Authority
State Revolving Funds**

Mr. Bruce Manning,
8 1/2 Mile Relief Drain Drainage District
21777 Dunham Road
Clinton Township, MI 48036
Phone: (586) 307-8279 Ext: Fax: (586) 469-5933
Email: bruce.manning@macombgov.org

INVOICE

Due Date	Project Number	ID	Loan Commitment	Principal	Interest	Total
03/25/2019	5306-01/Final	CW	\$4,025,000.00	\$0.00	\$30,625.00	\$30,625.00
03/25/2019	5393-01*/Final	CW	\$1,246,579.00	\$0.00	\$10,232.24	\$10,232.24
03/25/2019	5460-01*/Final	CW	\$418,833.00	\$20,000.00	\$3,754.31	\$23,754.31
03/25/2019	5579-01/Final	CW	\$418,366.00	\$0.00	\$4,354.58	\$4,354.58
				TOTAL AMOUNT DUE:		\$68,966.13

**If your total amount due includes; CW, DW, and/or SWQF loans, you no longer need send separate payments*

If you have any questions please contact Nichole Dorr at 517-335-0525

If you have changes to the contact/billing information please Email those changes to dorrn@michigan.gov.

Below please find three methods of payment to the Michigan Finance Authority

Preferred Method of Payment

Payment via Federal Wire Transfer for ALL Loan Types:

WIRE transfers MUST be initiated by 10:00 a.m. on

03/25/2019 and sent to:

The Bank of New York Mellon, N.A.

ABA: 021-000-018

A/C: 3919348400

Reference: 5708-MFA

Please note, the Reference information must be included on the wire transfer.

Payment via ACH Transfer for ALL Loan Types:

To allow for processing time ACH transfers MUST

be initiated by **03/21/2019** and sent to:

The Bank of New York Mellon, N.A.

ABA: 021-000-018

A/C: 8900626003

Reference: 5708-MFA

Please note, the Reference information must be included on the ACH transfer.

Payment By Check For ALL Loan Types

To allow for processing time checks must be

RECEIVED by 03/18/2019.

For proper credit please include a copy of this invoice and note the reference: 5708-MFA on the check. Please mail your payment to:

The Bank of New York Mellon, N.A.

ATTN: Pooled Finance Unit - Matthew Kuper

10161 Centurion Parkway N.

Jacksonville, FL 32256



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 2/20/19
4. SET ID VP19220MA		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) CDW GOVERNMENT	7. VENDOR NUMBER V00821	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) RBT3562	10. Invoice Date 2/12/2019	11. Invoice Amount \$ 13,905.32
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CHILD RECORD DETAIL INFORMATION											
General Ledger					Job Ledger						
Line	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	8200166M	80152	CC0014	80152		MIDDD	Cust #10022053, Sonicwall	\$ 5,693.56	GEN	MIDDD	
B	8200166M	80152	CC0014	80152		MIDDD (OMID)	Cust #10022053, Sonicwall	\$ 1,751.74	GEN	MIDDD	0
C	8200017M	80152	CC0014	80152		8 1/2 Mile Relief	Cust #10022053, Sonicwall	\$ 3,367.11	GEN		0
D	8200072M	80152	CC0014	80152		Martin	Cust #10022053, Sonicwall	\$ 673.43	GEN		0
E	8703018M	80152	CC0014	80152	WO18219	SEMCWWDS (V)	Cust #10022053, Sonicwall	\$ 1,209.74	GEN		0
F	8703018M	80152	CC0014	80152	WO18218	SEMCWWDS (BH)	Cust #10022053, Sonicwall	\$ 1,209.74	GEN		0
G											

23. Total: \$ **13,905.32** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:	
25. Finance Officer: <i>bfpm</i>	30. Drain: Multiple
26. Chief Deputy:	31. Project Balance: N/A
27. Engineers:	32. Staff Date: 3/5/2019
28. Managers: <i>WA</i>	33. Board Date: 3/11/2019
29. Coordinator: <i>WA</i>	34. Select For Pay Date:

REMIT PAYMENT TO: _____

INVOICE

ACH INFORMATION:
THE NORTHERN TRUST
50 SOUTH LASALLE STREET
CHICAGO, IL 60675

E-mail Remittance To: gachremittance@cdw.com
ROUTING NO.: 071000152
ACCOUNT NAME: CDW GOVERNMENT
ACCOUNT NO.: 91057



CDW Government
75 Remittance Drive, Suite 1515
Chicago, IL 60675-1515



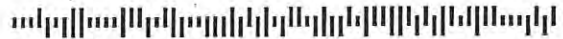
RETURN SERVICE REQUESTED

INVOICE NUMBER	INVOICE DATE	CUSTOMER NUMBER
RBT3562	02/12/19	10022053
SUBTOTAL	SHIPPING	SALES TAX
\$13,905.32	\$0.00	\$0.00
DUE DATE		AMOUNT DUE
03/14/19		\$13,905.32

557 1 MB 0.428 E0240 I0436 D4514030172 S2 P6142584 0002:0002



MACOMB COUNTY PUBLIC WORKS COMMISSI
ACCOUNTS PAYABLE
21777 DUNHAM RD
CLINTON TOWNSHIP MI 48036-1005



CDW Government
75 Remittance Drive
Suite 1515
Chicago, IL 60675-1515

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT

INVOICE DATE	INVOICE NUMBER	PAYMENT TERMS			DUE DATE	
02/12/19	RBT3562	Net 30 Days			03/14/19	
ORDER DATE	SHIP VIA	PURCHASE ORDER NUMBER			CUSTOMER NUMBER	
02/08/19	DROP SHIP-GROUND	SONICWALL 3YR			10022053	
ITEM NUMBER	DESCRIPTION	QTY ORD	QTY SHIP	QTY B/O	UNIT PRICE	TOTAL
4381317	SONICWALL ADV GTWY SEC STE 3Y Manufacturer Part Number: 01-SSC-1432 Electronic distribution - NO MEDIA	5	5	0	985.27	4,926.35
4257334	SONICWALL ADV GW SEC STE NSA 2600 3Y Manufacturer Part Number: 01-SSC-1472 Electronic distribution - NO MEDIA	3	3	0	2,992.99	8,978.97

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Begin transmitting your payments electronically via ACH using CDW's bank and remittance information located at the top of the attached payment coupon. Email credit@cdw.com with any questions.

ACCOUNT MANAGER	SHIPPING ADDRESS:	SUBTOTAL	\$13,905.32
DAVE ENGMARK 312-705-8110 davieng@cdwg.com	MACOMB COUNTY PUBLIC WORKS COMMISSI ATTN:JOE BETZ 21777 DUNHAM RD CLINTON TOWNSHIP MI 48036	SHIPPING	\$0.00
SALES ORDER NUMBER		SALES TAX	\$0.00
1BXMGN		AMOUNT DUE	\$13,905.32



Cage Code Number 1KH72
DUNS Number 02-615-7235

ISO 9001 and ISO 14001 Certified
CDW GOVERNMENT FEIN 36-4230110

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VISIT US ON THE INTERNET AT www.cdwg.com

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Seller will not be responsible for and no liability shall result to Seller or any of its Affiliates for any delays in delivery or in performance which result from any circumstances beyond Seller's reasonable control, including, but not limited to, Product unavailability, carrier delays, delays due to fire, severe weather conditions, failure of power, labor problems, acts of war, terrorism, embargo, acts of God or acts or laws of any government or agency. Any shipping dates or completion dates provided by Seller or any purported deadlines contained in a Statement of Work or any other document are estimates only.

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Any credit issued by Seller to Customer for any reason must be used within two (2) years from the date that the credit was issued and may only be used for future purchases of Products and/or Services. Any credit or portion thereof not used within the two (2) year period will automatically expire.

Limitation of Liability

UNDER NO CIRCUMSTANCES AND NOTWITHSTANDING THE FAILURE OF ESSENTIAL PURPOSE OF ANY REMEDY SET FORTH HEREIN, WILL SELLER, ITS AFFILIATES OR ITS OR THEIR SUPPLIERS, SUBCONTRACTORS OR AGENTS BE LIABLE FOR: (A) ANY INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS, BUSINESS, REVENUES OR SAVINGS, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITIES OF SUCH DAMAGES OR IF SUCH DAMAGES ARE OTHERWISE FORESEEABLE IN EACH CASE, WHETHER A CLAIM FOR ANY SUCH LIABILITY IS PREMISED UPON BREACH OF CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY OR OTHER THEORY OF LIABILITY; (B) ANY CLAIMS, DEMANDS OR ACTIONS AGAINST CUSTOMER BY ANY THIRD PARTY; (C) ANY LOSS OR CLAIM ARISING OUT OF OR IN CONNECTION WITH CUSTOMER'S IMPLEMENTATION OF ANY CONCLUSIONS OR RECOMMENDATIONS BY SELLER OR ITS AFFILIATES BASED ON, RESULTING FROM, ARISING OUT OF OR OTHERWISE RELATED TO THE PRODUCTS OR SERVICES; OR (D) ANY UNAVAILABILITY OF THE PRODUCT FOR USE OR ANY LOST, DAMAGED OR CORRUPTED DATA OR SOFTWARE. IN THE EVENT OF ANY LIABILITY INCURRED BY SELLER OR ANY OF ITS AFFILIATES, THE ENTIRE LIABILITY OF SELLER AND ITS AFFILIATES FOR DAMAGES FROM ANY CAUSE WHATSOEVER WILL NOT EXCEED THE LESSER OF: (A) THE DOLLAR AMOUNT PAID BY CUSTOMER FOR THE PRODUCT(S) GIVING RISE TO THE CLAIM OR THE SPECIFIC SERVICES GIVING RISE TO THE CLAIM; OR (B) \$50,000.00.

Confidential Information

Each party anticipates that it may be necessary to provide access to information of a confidential nature of such party, the Affiliates or a third party (hereinafter referred to as "Confidential Information") to the other party in the performance of this Agreement and any Statement of Work. "Confidential Information" means any information or data in oral, electronic or written form which the receiving party knows or has reason to know is proprietary or confidential and which is disclosed by a party in connection with this Agreement or which the receiving party may have access to in connection with this Agreement, including but not limited to the terms and conditions of each Statement of Work. Confidential Information will not include information which: (a) becomes known to the public through no act of the receiving party; (b) was known to the receiving party, or becomes known to the receiving party from a third party having the right to disclose it and having no obligation of confidentiality to the disclosing party with respect to the applicable information; or (c) is independently developed by agents, employees or subcontractors of the receiving party who have not had access to such information. To the extent practicable, Confidential Information should be clearly identified or labeled as such by the disclosing party at the time of disclosure or as promptly thereafter as possible, however, failure to so identify or label such Confidential Information will not be evidence that such information is not confidential or protectable.

Each party agrees to hold the other party's Confidential Information confidential for a period of three (3) years following the date of disclosure and to do so in a manner at least as protective as it holds its own Confidential Information of like kind but to use no less than a reasonable degree of care. Disclosures of the other party's Confidential Information will be restricted (i) to those individuals who are participating in the performance of this Agreement or the applicable Statement of Work and need to know such Confidential Information for purposes of providing or receiving the Products or Services or otherwise in connection with this Agreement or the applicable Statement of Work, or (ii) to its business, legal and financial advisors, each on a confidential basis. Each party agrees not to use any Confidential Information of the other party for any purpose other than the business purposes contemplated by this Agreement and the applicable Statement of Work. Upon the written request of a party, the other party will either return or certify the destruction of the Confidential Information of the other party.

If a receiving party is required by law, rule or regulation, or requested in any judicial or administrative proceeding or by any governmental or regulatory authority, to disclose Confidential Information of the other party, the receiving party will give the disclosing party prompt notice of such request so that the disclosing party may seek an appropriate protective order or similar protective measure and will use reasonable efforts to obtain confidential treatment of the Confidential Information so disclosed.

Return Privileges

To obtain Seller's return policy, Customer should contact CDW Customer Relations at 866.SVC.ACDW or email at CustomerRelations@cdw.com. Customer must notify CDW Customer Relations of any damaged Products within ten (10) days of receipt.

Arbitration

Any claim, dispute, or controversy (whether in contract, tort or otherwise, whether preexisting, present or future, and including, but not limited to, statutory, common law, intentional tort and equitable claims) arising from or relating to the Products, the Services, the interpretation or application of these Terms and Conditions or any Statement of Work or the breach, termination or validity thereof, the relationships which result from these Terms and Conditions or any Statement of Work (including, to the full extent permitted by applicable law, relationships with third parties who are not signatories hereto), or Seller's or any of its Affiliates' advertising or marketing (collectively, a "Claim") WILL BE RESOLVED, UPON THE ELECTION OF ANY OF SELLER, CUSTOMER OR THE THIRD PARTIES INVOLVED, EXCLUSIVELY AND FINALLY BY BINDING AND FINAL ARBITRATION. If arbitration is chosen, it will be conducted pursuant to the Rules of the American Arbitration Association. If arbitration is chosen by any party with respect to a Claim, neither Seller nor Customer will have the right to litigate that Claim in court or to have a jury trial on that Claim choice of law provision included in these Terms and Conditions, this arbitration agreement is subject to the Federal Arbitration Act (9 U.S.C. §§ 1-16). The arbitration will take place exclusively in Chicago, Illinois. Any court having jurisdiction may enter judgment on the award rendered by the arbitrator(s). Each party involved will bear its own cost of any legal representation, discovery or research required to complete arbitration. The existence or results of any arbitration will be treated as confidential. Notwithstanding anything to the contrary contained herein, all matters pertaining to the collection of amounts due to Seller arising out of the Products or Services will be exclusively litigated in court rather than through arbitration.

Miscellaneous

Seller may assign or subcontract all or any portion of its rights or obligations with respect to the sale of Products or the performance of Services or assign the right to receive payments, without Customer's consent. Customer may not assign these Terms and Conditions, or any of its rights or obligations herein without the prior written consent of Seller. Subject to the restrictions in assignment contained herein, these Terms and Conditions will be binding on and inure to the benefit of the parties hereto and their successors and assigns. No provision of this Agreement or any Statement of Work will be deemed waived, amended or modified by either party unless such waiver, amendment or modification is in writing and signed by both parties. The relationship between Seller and Customer is that of independent contractors and not that of employer/employee, partnership or Joint Statement of Work. Notices provided under this Agreement will be given in writing and deemed received upon the earlier of actual receipt or three (3) days after mailing if mailed postage prepaid by regular mail or airmail or one (1) day after such notice is sent by courier or facsimile transmission. Any delay or failure by either party to exercise any right or remedy will not constitute a waiver of that party to thereafter enforce such rights.

Version Date: 02/23/2010



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 2/21/19
4. SET ID VP19222MVA		5. POST DATE

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) CONSUMERS ENERGY	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 202607470677	10. Invoice Date 2/15/2019
			11. Invoice Amount 662.61

CHILD RECORD DETAIL INFORMATION									
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	92102	CC0004	92102	8 1/2 Mile Relief	1000 0754 2333, 1/12-2/14	\$ 662.61	GEN	
B									
C									
D									
E									
F									
G									

23. Total: \$ **662.61**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>[Signature]</i>
26. Chief Deputy:	8 1/2 Mile Relief
27. Engineers:	N/A
28. Managers:	3/5/2019
29. Coordinator:	3/11/2019



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

Amount Due: **\$662.61**
Please pay by: **March 12, 2019**



MACOMB COUNTY DRAIN COMMISSION
21777 DUNHAM RD
CLINTON TOWNSHIP MI 48036-1005



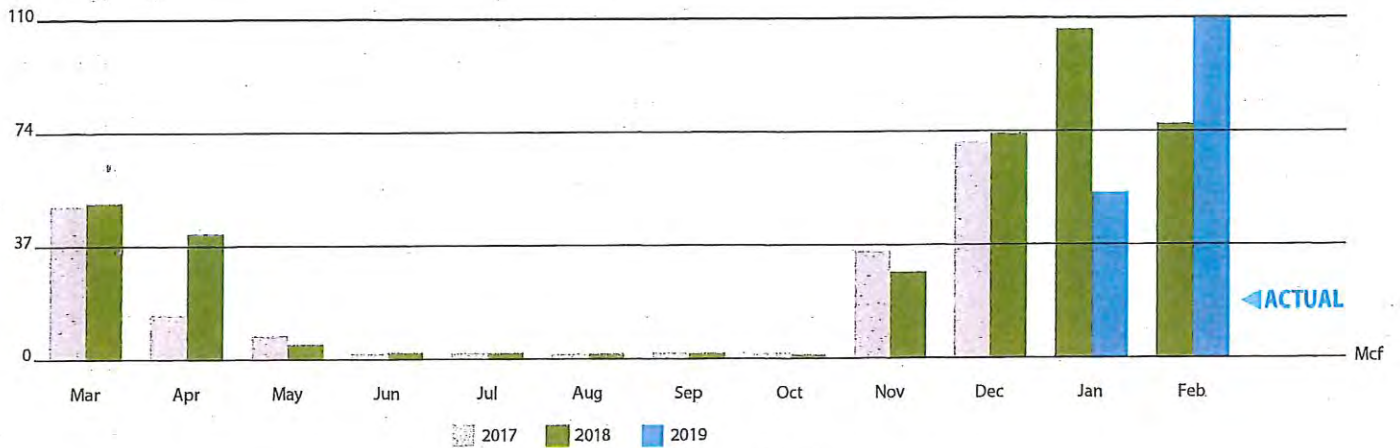
▶ **Thank You** - We received your last payment of **\$345.16** on **January 31, 2019**

▶ **Service Address:**
22999 E 9 MILE RD
SAINT CLAIR SHORES MI
48080-0000

February Energy Bill

Service dates: January 12, 2019 - February 14, 2019 (34 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



February Natural Gas Use

110.3 Mcf
February 2018 use: 76 Mcf

Cost per day:

\$19.49

Mcf per day:

3.244

Prior 12 months of gas use:

378 Mcf

STAY SAFE: Call 9-1-1 and 800-477-5050. We'll respond day or night.



Downed power lines.
Stay 25 feet away. Call from a safe location.



If you smell natural gas.
If the "rotten egg" odor of gas is apparent, call from a safe location.



Save Energy and Money This Winter

We all know just how unpredictable Michigan weather can be. Temperature swings can impact your monthly bill. Manage your energy use with energy saving tips and rebates.

Did You Know? Higher energy bills may be caused by extensive cold snaps, expanded shifts or a larger facility.

Learn more at
www.ConsumersEnergy.com/startsaving



Need to talk to us? Visit ConsumersEnergy.com
or call **800-805-0490**
Hearing/speech impaired: Call 7-1-1

Service Address:
22999 E 9 MILE RD; SAINT CLAIR SHORES
MI 48080-0000
Account: **1000 0754 2333**

Account Information

Bill Month: February
Service dates: 01/12/2019 - 02/14/2019
Days Billed: 34
Portion: 12 02/19

Rate Information

Gas Gen Serv Rate GS-1 - Com
Rate: 261

Meter Information

Your next scheduled meter read
date is on or around 03/15/2019

Gas Service:

AMR Meter
Meter Number: 96516200
POD Number: 0000000435094
Beginning Read Date: 01-12
Ending Read Date: 02-14
Beginning Read: 4780
Ending Read: 5883 (Actual)
Differential: 1103
Constant: 0.1
Correction factor: 1.00000
Usage: 110.3 Mcf

Total Metered Energy Use: 110.3 Mcf

February Energy Bill

Invoice: 202607470677

Account Summary

Last Month's Account Balance	\$345.16
Payment on January 31, 2019	\$345.16-
Balance Forward	\$0.00

Payments applied after Feb 15, 2019 are not included.

Natural Gas Charges

Customer Charge		\$14.00
Gas Distribution	110.3@ 2.513300	\$277.22
Tax Reform Credit B	110.3@ 0.130000-	\$14.34-
Energy Efficiency	110.3@ 0.349600	\$38.57
IRM Credit B		\$0.11-
Gas Cost Recovery	110.3@ 3.148400	\$347.27

Total Natural Gas \$662.61

Total Energy Charges \$662.61

Amount Due: \$662.61
by March 12, 2019

If you pay after the due date, a 2% late payment charge
will be added to your next bill.

Please make any inquiry or complaint about this bill before the due date listed on the front.
Visit ConsumersEnergy.com/aboutmybill for details about the above charges.

H 000000000000 0 4502 0000 9191229696000000 33E3245700000 I

Amount Due: \$662.61

Please pay by: March 12, 2019

Enclosed:

PAVMENT CENTER
PO BOX 740309
CINCINNATI OH 45274-0309

Service Address:
MACOMB COUNTY DRAIN COMMISSION
22999 E 9 MILE RD
SAINT CLAIR SHORES MI 48080-0000



You can pay your bill by mail, by phone or online
See reverse side for more information

Account: 1000 0754 2333

Fold, detach and mail this portion with your check made payable to Consumers Energy. Please write your account number on your check.



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 2/21/19
4. SET ID 181922MUA		
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) 204031338385
		10. Invoice Date 2/15/2019	11. Invoice Amount \$ 1,110.65

CHILD RECORD DETAIL INFORMATION				OPTIONAL	21. MISC					
General Ledger	Job Ledger	16. Work Order Number	17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV				
A	12. Org Key 8200017M	13. Object 92102	14. Cost Center (CCNT) CC0004	15. Object 92102	16. Work Order Number 8 1/2 Mile Relief	17. Secondary Reference 1000 0005 7313, 1/12-2/14	18. Description 1,110.65 GEN	19. Amount \$	20. DIV GEN	21. MISC 22 Sep CK
B										
C										
D										
E										
F										
G										

23. Total: \$ **1,110.65**

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:	31. Project Balance: N/A
27. Engineers:	32. Staff Date: 3/5/2019
28. Managers: <i>[Signature]</i>	33. Board Date: 3/11/2019
29. Coordinator: <i>[Signature]</i>	34. Select For Pay Date:



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

Amount Due: **\$1,110.65**
Please pay by: **March 12, 2019**



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



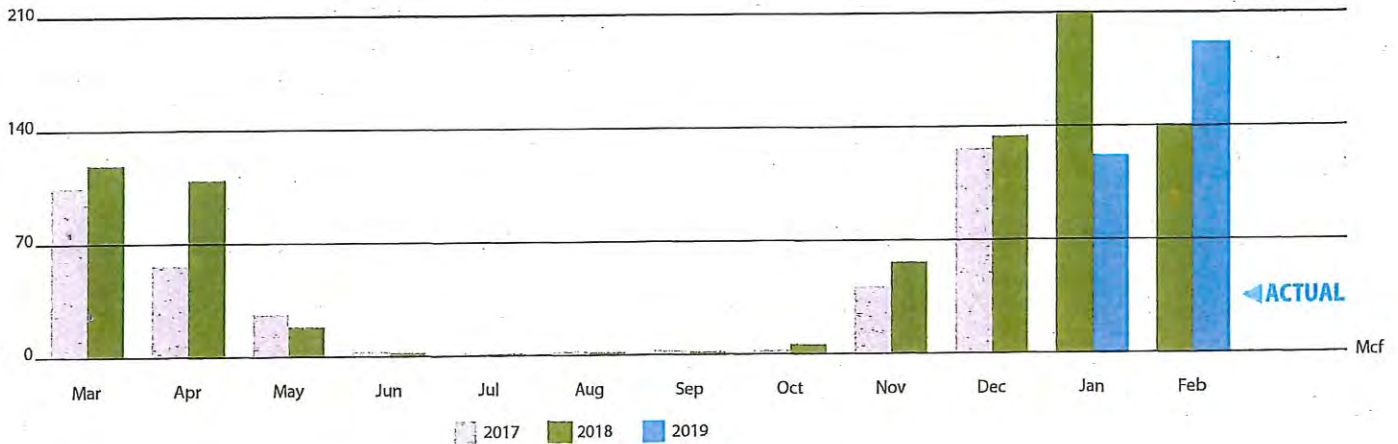
▶ **Thank You** - We received your last payment of **\$773.44** on **January 31, 2019**

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

February Energy Bill

Service dates: January 12, 2019 - February 14, 2019 (34 days)

Total Natural Gas Use (Mcf - thousand cubic feet)



February Natural Gas Use
191.8 Mcf
February 2018 use: 141 Mcf

Cost per day:
\$32.67

Mcf per day:
5.641

Prior 12 months of gas use:
750 Mcf

STAY SAFE: Call 9-1-1 and 800-477-5050.
We'll respond day or night.



Downed power lines.
Stay 25 feet away. Call from a safe location.



If you smell natural gas.
If the "rotten egg" odor of gas is apparent, call from a safe location.



Save Energy and Money This Winter

We all know just how unpredictable Michigan weather can be. Temperature swings can impact your monthly bill. Manage your energy use with energy saving tips and rebates.

Did You Know? Higher energy bills may be caused by extensive cold snaps, expanded shifts or a larger facility.

Learn more at
www.ConsumersEnergy.com/startsaving



8766713



Need to talk to us? Visit ConsumersEnergy.com
or call **800-805-0490**
Hearing/speech impaired: Call 7-1-1

Service Address:
23001 E 9 MILE RD; SAINT CLAIR SHORES
MI 48080-1576
Account: **1000 0005 7313**

Account Information

Bill Month: February
Service dates: 01/12/2019 - 02/14/2019
Days Billed: 34
Portion: 12 02/19

Rate Information

Gas Gen Serv Rate GS-2 - Com
Rate: 262

Meter Information

Your next scheduled meter read
date is on or around 03/15/2019

Gas Service:

AMR Meter
Meter Number: 96483303
POD Number: 0000003537725
Beginning Read Date: 01-12
Ending Read Date: 02-14
Beginning Read: 831
Ending Read: 2729 (Actual)
Differential: 1898
Constant: 0.1
Correction factor: 1.01028
Usage: 191.8 Mcf

Total Metered Energy Use: 191.8 Mcf

February Energy Bill

Invoice: 204031338385

Account Summary

Last Month's Account Balance	\$773.44
Payment on January 31, 2019	\$773.44-
Balance Forward	\$0.00

Payments applied after Feb 15, 2019 are not included.

Natural Gas Charges

Customer Charge		\$85.40
Gas Distribution	191.8@ 1.951700	\$374.34
Tax Reform Credit B	191.8@ 0.099800-	\$19.14-
Energy Efficiency	191.8@ 0.349600	\$67.05
IRM Credit B		\$0.86-
Gas Cost Recovery	191.8@ 3.148400	\$603.86

Total Natural Gas \$1,110.65

Total Energy Charges \$1,110.65

Amount Due: \$1,110.65
by March 12, 2019

If you pay after the due date, a 2% late payment charge
will be added to your next bill.

Please make any inquiry or complaint about this bill before the due date listed on the front.
Visit ConsumersEnergy.com/aboutmybill for details about the above charges.

H 000000000000 9 452 0000 659011100000 3E7E250000000 I

Enclosed:

Please pay by: March 12, 2019

Amount Due: **\$1,110.65**

CINCINNATI OH 45274-0309
PAYMENT CENTER
PO BOX 740309

SAINT CLAIR SHORES MI 48080-1576
23001 E 9 MILE RD
MACOMB CO DRAIN COMM
Service Address:

Account: 1000 0005 7313

You can pay your bill by mail, by phone or online
See reverse side for more information



Fold, detach and mail this portion with your check made payable to Consumers Energy. Please write your account number on your check.



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 2/14/19
4. SET ID 1919214MC		
5. POST DATE		

6. VENDOR NAME (Check to be issued to) DTE Energy	8. ADDR CODE 08	9. Invoice No (MAX = 16 CHARACTERS) 19-059	10. Invoice Date 2/7/2019	11. Invoice Amount \$ 7,764.58
7. VENDOR NUMBER V01270				

General Ledger		Job Ledger		OPTIONAL		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
A	8200017M	92101	92101			Acct #9100-0005-3785, 1/9-2/7/19	\$ 7,764.58
B							
C							
D							
E							
F							
G							

23. Total: \$ **7,764.58**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BTM</u>	30. Drain: 8 1/2 Mile Relief
26. Chief Deputy: <u>AG</u>	31. Project Balance: N/A
27. Engineers:	32. Staff Date: 2/19/2019
28. Managers: <u>UB</u>	33. Board Date: 3/11/2019
29. Coordinator: <u>NT</u>	34. Select For Pay Date:

910000053785 00000776458 B



Payment Coupon

Account Number	910000053785
Due Date:	March 05, 2019
Total Due:	\$7,764.58

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**

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



Summary Of Charges

Account Number 9100-0005-3785

Previous Balance as of 01/10/2019 8,123.93
Payment(s) and Credit(s) - 8,123.93
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	01/09 - 02/07/19	7,764.58
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$7,764.58

Amount Due on or before Due Date of 03/05/2019 \$7,764.58

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

Detail Charges

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

Outage Contact Number: 1-313-235-1300

Invoice: 200001346190

Billing Period: 01/09/2019 through 02/07/2019

Days Billed: 30

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6321448	01/09	318.5A	02/07	323.6A	5.1	6,400.0000	32,640.0	P - In-V
6321448	01/09	397.8A	02/07	404.9A	7.1	6,400.0000	45,440.0	P - In-W
6321449	01/09	0.0A	02/07	0.0A	0.0	- 6400.0000	0.0	P - Out-W
6321449	01/09	0.9A	02/07	0.9A	0.0	- 6400.0000	0.0	P - Out-V
6321451	01/09	0.4A	02/07	0.5A	0.1	6,400.0000	640.0	P - In-V
6321451	01/09	0.4A	02/07	0.5A	0.1	6,400.0000	640.0	P - In-W
Total KVARH							33,280.00	
Total KWH							46,080.00	

Invoice: 200001346190 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	860	KW	ESTABLISHED	01/23/2019	17:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	2246	KW	ESTABLISHED	10/01/2018	12:00
8	Highest Single Billing Demand	860	KW	ESTABLISHED	01/23/2019	17:30
A	Current PV High Monthly Demand	860	KW	ESTABLISHED	01/23/2019	17:30
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	4818	KW	ESTABLISHED	09/25/2018	22:30
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	81	PCT			
	Total Number of days in the Billing Period	30	DAYS			
	Avg Kilowatthours Used Per Day This Period	1536	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1346	KWH			
	kWh percentage change from a year ago	14	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	46080	KWH			
	Net Inflow (In - Out)	46080	KWH			

Charges for 01/09/2019 through 02/07/2019

Power Supply Charges:

Power Supply Energy:						
Power Supply Energy Charge	46,080	KWH			Per Total KWH	0.00
Power Supply Capacity Charge	46,080	KWH	@ \$	0.0299700	Per Total KWH	1,381.02
Power Supply Non Capacity Charge	46,080	KWH	@ \$	0.0478000	Per Total KWH	2,202.62
Surcharges:						
Power Supply Cost Recovery Factor	46,080	KWH	@ \$	0.0018100	Per Total KWH	83.40
	Sub Total:					3,667.04

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	46,080	KWH	@ \$	0.0361400	Per Total KWH	1,665.33
Surcharges:						
Transitional Recovery Mechanism	46,080	KWH	@ \$	0.0013440	Per Total KWH	61.93
Tax Credit B	46,080	KWH	@ \$	-0.0055360	Per Total KWH	- 255.10
Nuclear Surcharge	46,080	KWH	@ \$	0.0007650	Per Total KWH	35.25
Energy Waste Reduction	2	MTR	@ \$	38.5100000		77.02
LIEAF Factor	2	MTR	@ \$	0.9300000		1.86
	Sub Total:					1,597.54
Special Facilities Charge						2,500.00

Invoice Subtotal

7,764.58

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$7,764.58



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 2/28/19
4. SET ID		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Fluid Systems Engineering	7. VENDOR NUMBER V65282	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS) W73245-001
		10. Invoice Date 1/21/2019	11. Invoice Amount \$ 791.25

CHILD RECORD DETAIL INFORMATION											
General Ledger		Job Ledger		OPTIONAL							
Line	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	CC0004	93002		8 1/2 Mile Relief	Cust #M3425, 1/21/19	\$ 791.25	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **791.25** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Accumulator System Filter & Oil Changes

25. Finance Officer: <i>[Signature]</i>	30. Drain: 8 1/2 Mile Relief
26. Chief Deputy:	31. Project Balance: N/A
27. Engineers:	32. Staff Date: 3/5/2019
28. Managers: <i>JA</i>	33. Board Date: 3/11/2019
29. Coordinator: <i>JA</i>	34. Select For Pay Date:

Fluid Systems Engineering

a division of MCE

MAIL REMITTANCE TO:
MOTION & CONTROL ENTERPRISES LLC
P.O. BOX 775888
CHICAGO, IL 60677-5888

INVOICE

Customer PO No. 19-9337

ENTERING OFFICE:
FSE - FABRICATION

18855 E 14 MILE ROAD
CLINTON TOWNSHIP MI 48035

INVOICE NUMBER W73245-001	TRAN CODE DI
INVOICE DATE 01/21/19	PAGE 1

SALES TERMS found @ www.ritter1.com Any different or additional terms that may be embodied in your purchase order are hereby objected to. If your order is not an acceptance of our proposal, this will operate as an acceptance of your order only in the event you agree to the terms hereof. The terms and conditions contained above and attached shall apply.

LINE NO	QUANTITY			PART NUMBER DESCRIPTION	UNIT OF MEASURE PRODUCT	UNIT PRICE DISCOUNT %	EXTENDED AMOUNT
	TOTAL ORDERED	BACK ORDERED	THIS SHIPMENT				
10	1		1	<p>www.mceaautomation.com</p> <p>!!!PLEASE NOTE OUR NEW REMITTANCE ADDRESS!!!</p> <p>MOTION & CONTROL ENTERPRISES LLC P.O. BOX 775888 CHICAGO, IL 60677-5888</p> <hr/> <p>BUYER NAME: BOB</p> <p>WORK ORDER # 8309</p> <p>SERVICE CALL 671 EA</p> <p>TROUBLESHOOT SYSTEMS A C & D ON 1/15</p> <p>INBOUND FRT IS: .00</p> <p><i>8 1/2 Accumulator systems filter & oil changes</i></p>		791.2500	791.25

CUST. NO. M3425	ORDER DATE 01/21/19	TERR 80	PC 83	ORD S	Written By KAH	DATE SHIPPED 01/21/19	WHSE 83
--------------------	------------------------	------------	----------	----------	-------------------	--------------------------	------------

Carrier: ON SITE FOLD FOB: SP,PREPD&ADDED

ORIGINAL INVOICE

AMOUNT	791.25
FRGHT/INS/HNDL	.00
SALES TAX	.00
INVOICE TOTAL	791.25

Please Pay This Amount

Terms of Payment:
NET 30 DAYS
NO RETURNS WITHOUT PRIOR AUTHORIZATION.
BACKORDERED ITEMS MAY NOT BE ON INVOICE.
QUOTED PRICES VALID FOR 30 DAYS...

ORDER ISSUED IN: CLINTON TOWNSHIP
PHONE: 586-790-8880

S MACOMB COUNTY D.P.W.
O P.O. BOX 806
L
D
T MT CLEMENS MI 48046-0806
O

S MACOMB COUNTY D.P.W.
H 23001 E. 9 MILE ROAD
I
P
T ST CLAIR SHRS MI 48080
O

Customer PO No. 19-9337

Invoice No W73245-001

Mark No.



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 2/28/19
4. SET ID		
5. POST DATE		

PARENT RECORD INFORMATION	
6. VENDOR NAME (Check to be Issued to) Fluid Systems Engineering	7. VENDOR NUMBER V65282
8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS) W79719-001
10. Invoice Date 2/6/2019	11. Invoice Amount \$ 650.62

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	Cust #M3425, 2/6/19	\$ 650.62	GEN		
B										
C										
D										
E										
F										
G										

23. Total: \$ **650.62**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Accumulator System D Repair

25. Finance Officer: <i>AM</i>	30. Drain: 8 1/2 Mile Relief
26. Chief Deputy:	31. Project Balance: N/A
27. Engineers:	32. Staff Date: 3/5/2019
28. Managers: <i>UB</i>	33. Board Date: 3/11/2019
29. Coordinator: <i>MT</i>	34. Select For Pay Date:

Fluid Systems Engineering

a division of MCE

MAIL REMITTANCE TO:
MOTION & CONTROL ENTERPRISES LLC
P.O. BOX 775888
CHICAGO, IL 60677-5888

INVOICE

Customer PO No. 19-9338

ENTERING OFFICE:
FSE - FABRICATION
18855 E 14 MILE ROAD
CLINTON TOWNSHIP MI 48035

INVOICE NUMBER W79719-001	TRAN CODE DI
INVOICE DATE 02/06/19	PAGE 1

SALES TERMS found @ www.ritter1.com Any different or additional terms that may be embodied in your purchase order are hereby objected to. If your order is not an acceptance of our proposal, this will operate as an acceptance of your order only in the event you agree to the terms hereof. The terms and conditions contained above and attached shall apply.

LINE NO.	QUANTITY			PART NUMBER DESCRIPTION	UNIT OF MEASURE PRODUCT	UNIT PRICE DISCOUNT %	EXTENDED AMOUNT
	TOTAL ORDERED	BACK ORDERED	THIS SHIPMENT				
10	1		1	<p>www.mceautomation.com</p> <p>!!!PLEASE NOTE OUR NEW REMITTANCE ADDRESS!!!</p> <p>MOTION & CONTROL ENTERPRISES LLC P.O. BOX 775888 CHICAGO, IL 60677-5888</p> <p>BUYER NAME: NJ2-PD-US-2.062-V93</p> <p>PROXIMITY SENSO 671Z EA</p> <p>INBOUND FRT IS: .00</p> <p><i>8 1/2 Accumulator system D repair</i></p>		637.5000	637.50

CUST. NO. M3425	ORDER DATE 02/06/19	TERR 80	PC 83	ORD S	Written By KAH	DATE SHIPPED 02/06/19	WHSE 83
--------------------	------------------------	------------	----------	----------	-------------------	--------------------------	------------

Carrier: UPS
FOLD

FOB: SP,PREPD&ADDED

ORIGINAL INVOICE

AMOUNT	637.50
FRGHT/INS/HNDL	13.02
SALES TAX	.00
INVOICE TOTAL	650.52
Please Pay This Amount	

Terms of Payment:
NET 30 DAYS
NO RETURNS WITHOUT PRIOR AUTHORIZATION.
BACKORDERED ITEMS MAY NOT BE ON INVOICE.
QUOTED PRICES VALID FOR 30 DAYS...

ORDER ISSUED IN: CLINTON TOWNSHIP
PHONE: 586-790-8880

S MACOMB COUNTY D.P.W.
O P.O. BOX 806
L
D
T MT CLEMENS MI 48046-0806
O

S MACOMB COUNTY D.P.W.
H 23001 E. 9 MILE ROAD
I
P
T ST CLAIR SHRS MI 48080
O



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 2/8/19
4. SET ID VP19214MB		
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) 20191091
10. Invoice Date 1/31/2019	11. Invoice Amount \$ 1,644.50

CHILD RECORD DETAIL INFORMATION										
Line	General Ledger			Job Ledger			OPTIONAL			24. 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	
A	82000601	97002				8 1/2 Mile Relief	PW000008, 7055 Submersible	\$ 1,644.50	GEN	22 Sep CK
B										
C										
D										
E										
F										
G										

23. Total: \$ **1,644.50** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <i>AM</i>	30. Drain: 8 1/2 Mile Relief
26. Chief Deputy: <i>AB</i>	31. Project Balance: N/A
27. Engineers: <i>MS</i>	32. Staff Date: 2/19/2019
28. Managers: <i>MT</i>	33. Board Date: 3/11/2019
29. Coordinator:	34. Select For Pay Date:



Knowledgeable • Professional • Attentive • Likeable

28838 Van Dyke • Warren, MI 48093
 Phone: 586.978.7200 • Fax: 586.978.2200
 www.hesco-mi.com

Invoice

Date	Invoice #
1/31/2019	20191091

Bill To
Macomb County Public Works Commission Finance Department 21777 Dunham Rd Clinton Twp, MI 48036

Ship To
Public Works Office Chapaton Pump Station 23001 9 Mile Rd. Saint Clair Shores

S.O. No.	P.O. No.	Terms	Rep	Hesco #
1013694	PW000008	Net 30	WRH	B2019572Q

Item	Description	Ordered	Invoiced	Rate	Amount
705S Submersible	KPSI/Measurement Specialties Submersible 705S Submersible	2	2	822.25	1,644.50

Subtotal	\$1,644.50
Sales Tax (6.0%)	\$0.00
Total	\$1,644.50
Payments/Credits	\$0.00
Balance Due	\$1,644.50



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 2/27/19
4. SET ID VP19228MA		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) 20191144	10. Invoice Date 2/25/2019	11. Invoice Amount \$ 1,250.00
--	-----------------------------------	---------------------------	--	--------------------------------------	--

General Ledger			Job Ledger			OPTIONAL			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	2019557Q, 12-27-242T	\$ 1,250.00	GEN			
B											
C											
D											
E											
F											
G											

23. Total: \$ **1,250.00** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
HESCO Field Service - Start-up, Training, Flow Pacing Cable and set-up & Verification.

25. Finance Officer: *BTM*

26. Chief Deputy: **8 1/2 Mile Relief**

27. Engineers: **N/A**

28. Managers: **3/5/2019**

29. Coordinator: **3/11/2019**

30. Drain: **8 1/2 Mile Relief**

31. Project Balance: **N/A**

32. Staff Date: **3/5/2019**

33. Board Date: **3/11/2019**

34. Select For Pay Date:



Knowledgeable • Professional • Attentive • Likeable

28838 Van Dyke • Warren, MI 48093
 Phone: 586.978.7200 • Fax: 586.978.2200
 www.hesco-mi.com

Invoice

Date	Invoice #
2/25/2019	20191144

Bill To
Macomb County Public Works Commission Finance Department 21777 Dunham Rd Clinton Twp, MI 48036

Ship To
Vince Astorino 21777 Dunham Road Clinton Twp, MI 48036

S.O. No.	P.O. No.	Terms	Rep	Hesco #
	12-27-242T	Net 30	Kip	2019557Q

Item	Description	Ordered	Invoiced	Rate	Amount
Field Service	HESCO Field Service - Start-up, Training , Flow Pacing Cable set-up & Verification		1	1,250.00	1,250.00

Subtotal	\$1,250.00
Sales Tax (6.0%)	\$0.00
Total	\$1,250.00
Payments/Credits	\$0.00
Balance Due	\$1,250.00

28838 Van Dyke Avenue
 Warren, MI 48093
 586-678-7200
 586 978 2200 fax
www.hesco-mi.com



Sampler Start-up & Calibration

Location Chapaton	Date 02/20/19
Manufacturer Teledyne-Isco	Time 9:55-AM
Model 5800 Refrigerated	Tag # Chapaton Effluent
Serial Number 219A00216	Equipment ID Model 605800005
Customer Macomb Co.	
FIELD TERMINATIONS	
Power Source 120 VAC/Lead Acid Back up	Suct Line Length 15 Feet
Analog Input <input type="radio"/> YES <input checked="" type="radio"/> NO	Strainer None
Digital Input <input type="radio"/> YES <input checked="" type="radio"/> NO	Flow Cell <input type="radio"/> YES <input checked="" type="radio"/> NO
Digital Output <input type="radio"/> YES <input checked="" type="radio"/> NO	Closed Pipe <input type="radio"/> YES <input checked="" type="radio"/> NO
Bottle Configuration 2	Other
CONFIGURATION	
Date / Time Set (EST)	Output Pins
Bottle / Size 10,000 ml	Output #1 Not Set
Suction Line Standard Vinyl	Output #2 Not Set
Liquid Detector <input checked="" type="radio"/> ON <input type="radio"/> OFF	Output #3 Not Set
Rinse / Retry 1/1	Output #4 Not Set
FM Sampling	Tubing Life
Sample at Start <input type="radio"/> YES <input checked="" type="radio"/> NO	Counts 18,100 cts
Enable Pin Not Set	Reset <input type="radio"/> YES <input checked="" type="radio"/> NO
Repeatable <input type="radio"/> YES <input checked="" type="radio"/> NO	Warning @ 1,000,000
Sample at Enable <input type="radio"/> YES <input checked="" type="radio"/> NO	Program Lock
Reset Sample <input type="radio"/> YES <input checked="" type="radio"/> NO	Password None
Refrigerator	Language English
Target Temp 3 C	Units Feet
Quick Cool <input checked="" type="radio"/> YES <input type="radio"/> NO	Unit ID 1547207779
Software 1.02.0045	Hardware A1
PROGRAM	
Pacing TIME	FLOW
Flow Paced <input type="radio"/> YES <input checked="" type="radio"/> NO	
Interval (xx:xx or Pulses) No Pacing	Sample Volume 2500 ml
Bottles per Sam. 1	Comp. Samples (sing. Bott.)
Switch on (FP) NO	No Delay <input checked="" type="radio"/> YES <input type="radio"/> NO
SAM per Bottle 4	Start Time Not Set
Run Continuously <input checked="" type="radio"/> YES <input type="radio"/> NO	Max Run Time (FP) Not Set

DIAGNOSTICS				
Test RAM	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	Flow Meter Port	Not Used
Test ROM	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	Refrig Temp	2.8 C
Display	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	PCB Temp	19.2 C
Keypad	<input checked="" type="radio"/> PASS	<input type="radio"/> FAIL	Input Voltage	12.42 VDC
Pump / Purge	Ratio 1.23/1.19..		Battery V / Loaded V	2.86 VDC
Distributor Arm	Not used		Analog Input	None
CALIBRATION				
Sample Volume Expected			Sample Volume Expected (Retest)	
1st	500/490 calibrated		1st	
2nd	500/500		2nd	
3rd	500/500		3rd	
4th	2500/2500		4th	
5th			5th	
6th			6th	
7th			7th	
8th			8th	
NOTES & SUMMARY				
NOTES :				
Distributor Arm was removed and left with customer.				
Training was performed with facility personnel.				
Customer intends to place sampler on a platform and connect SCADA at a later time.				
PROBLEM :				
None				
RESOLUTION :				

Technician: Dave Burkel



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	2/11/19
4. SET ID		5. POST DATE
V19211MUA		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to)	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date
JCI JONES CHEMICALS INC	01	780670	1/31/2019
7. VENDOR NUMBER		11. Invoice Amount	
V65297		\$ 4289.74	

CHILD RECORD DETAIL INFORMATION							
Line	General Ledger		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object					
A	8200017M	72650	CC0004	\$ 4289.74	GEN		
B							
C							
D							
E							
F							
G							

23. Total: \$ 4,289.74

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>BHM</i>	8 1/2 Mile Relief
26. Chief Deputy:	<i>AB</i>	N/A
27. Engineers:		2/19/2019
28. Managers:	<i>MS</i>	3/11/2019
29. Coordinator:	<i>MS</i>	



www.jcichemicals.com

INVOICE

Inv Date	Invoice #
01/31/2019	780670
Date Shipped	Order/BOL #
01/31/2019	575956

Customer Number
21543215

*** ORIGINAL ***
 JCI JONES CHEMICALS, INC..
 RIVERVIEW BRANCH LOCATION
 18000 PAYNE AVENUE
 RIVERVIEW , MI 48192
 Phone: (734) 283-0677
 Fax: (734) 283-0979
 email: cs@jcichem.com

S MACOMB COUNTY
 O ATTN: ACCTS PAYABLE
 L 23001 9 MILE ROAD
 D Saint Clair Shores , MI 48080-
 T USA
 O

S ID #: 1
 H CHAPATON PUMPING STATION
 I 23001 NINE MILE RD
 P ST CLAIR SHORES , MI 48080-
 T USA
 O

Customer PO #	FOB Remark	Freight Terms	Sales ID
VBL-PETE TROMBLEY	Destination	Delivered	NORTH
Release #	Ship Via	Terms	Due Date
	JCI	N 30	03/02/2019
Discount Due Date			3/2/2019
Units	Package	Product Name	Total Quantity
4,745.00	1 Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)	4,745.0000/Gal
			0.9000 /Gal
			4,270.50
General Remarks:	<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> OUTSIDE CARRIER: HAROLD MARGUS NET WEIGHT: 47920 FSC		
		Fuel Surcharge	19.24

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: **4,289.74**

Remit To: **JCI Jones Chemicals, Inc.**
PO Box 12549
Newark, NJ 07101-3550 USA

PLEASE PAY
THIS AMOUNT



JCI Welcomes payments via ACH, EFT and WIRE



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 2/19/19
4. SET ID VP19220MA		
5. POST DATE		

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) Kienbaum Harry Viviano Pelton & Forrest PLC	7. VENDOR NUMBER V69063	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) 41564	10. Invoice Date 2/7/2019	11. Invoice Amount \$ 2,761.50
--	-----------------------------------	---------------------------	---	-------------------------------------	--

CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CGNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)	18. Description (MAX = 30 CHARACTERS)					
A	8200001M	80139				Administrative Services		General Matters - Jan 2019	\$ 1,861.50	GEN		
B	8200017M	80139	CC0004	80139		8 1/2 Mile Relief		General Matters - Jan 2019	\$ 562.50	GEN		0
C	8204910M	80139				NGI Lenox Local		General Matters - Jan 2019	\$ 337.50	GEN	NGI	0
D												
E												
F												
G												

REV 09/2018

23. Total: \$ **2,761.50**

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>[Signature]</i>	30. Drain:	Admin Srvc; 8 1/2 Mile Rif; NGI Lenox Local
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	3/5/2019
28. Managers:	<i>[Signature]</i>	33. Board Date:	3/11/2019
29. Coordinator:	<i>[Signature]</i>	34. Select For Pay Date:	

Kienbaum Hardy Viviano Pelton & Forrest, PLC

Ste 400
280 N Old Woodward Ave
Birmingham MI 48009
Phone No.: (248) 645-0000
Fax: (248) 645-1385
Federal Tax ID: 38-3347787

Statement as of 2/7/2019
Statement no 41564

MCDPW (General)

Macomb County Department of Public Works
21777 Dunham Rd
Clinton Twp MI 48036

1245-001 / General Matters

Professional Fees			Hours	Rate	Amount
01/02/2019	KMH	Review, analysis, and revision of Lawn Maintenance Agreement; Review, analysis, and revision of Request for Proposal for lawn maintenance; Revision of Construction General Terms and Conditions.	4.90	225.00	1,102.50
		A			
01/02/2019	KMH	8.5 Mile Road- Review and analysis of FTC&H documents for engineering service agreement. .	0.50	225.00	112.50
01/04/2019	KMH	A Review and analysis of revisions to the Drain Code.	0.70	225.00	157.50
01/04/2019	KTR	A Download amended drain code bills; circulate with attorneys.	0.30	130.00	39.00
01/07/2019	JEV	A Telephone discussion with Mr. Gapshe re status of Palazzolo issue.	0.10	225.00	22.50
01/08/2019	KMH	Draft Engineering Services contract for 8.5 Mile and FTC&H; Review and analysis of related documents and conference call with client re: same.	2.00	225.00	450.00
01/15/2019	JEV	Meeting with Al Addis re <u>Lenox Local</u> maintenance agreement; email to Commissioner Miller re same.	1.50	225.00	337.50
01/24/2019	JEV	A Telephone discussion with Mr. Gapshe re Palazzolo agreement; revision of agreement; email to Mr. Gapshe re same.	1.60	225.00	360.00
01/30/2019	JEV	A Email to Mr. Gapshe re status of Palazzolo contract; related follow up.	0.10	225.00	22.50
01/31/2019	JEV	A Revision of Hidden Creek agreement; telephone discussions with Mr. Gapshe re same.	0.70	225.00	157.50
Sub-total Fees:					<u>\$2,761.50</u>

Rate Summary

Katie M. Hoffman	8.10 hours at \$225.00/hr	1,822.50
Katherine T. Randolph	0.30 hours at \$130.00/hr	39.00

Joseph E. Viviano	<u>4.00</u> hours at \$225.00/hr	900.00
Total hours:	12.40	

Total Current Billing: \$2,761.50

Total Now Due: \$2,761.50



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 2/8/19
4. SET ID VR19214MB		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Macomb County Treasurer	7. VENDOR NUMBER VO1085	8. ADDR CODE 26	9. Invoice No (MAX=16 CHARACTERS) AR190123
			10. Invoice Date 2/5/2019
			11. Invoice Amount 772,640.22

CHILD RECORD DETAIL INFORMATION										
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	72100	72100		8 1/2 Mile Relief	4th Qrt 2018 Personnel	\$ 231,644.12	IPWK		
B	8200017M	72100	72100		8 1/2 Mile Relief	4th Qrt 2018 Personnel	\$ 138,426.60	IPWK		0
C	8200166M	72100	72100		MIDDD	4th Qrt 2018 Personnel	\$ 398,352.22	IPWK	MIDDD	0
D	8200166M	72100	72100		MIDDD	4th Qrt 2018 Personnel	\$ 4,217.28	IPWK	MIDDD	0
E										
F										
G										

23. Total: \$ **772,640.22** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Reimbursement to Macomb County for 8 1/2 Mile Relief and MIDDD Personnel

25. Finance Officer: <u><i>BTM</i></u>	30. Drain: MIDDD/8 1/2 Mile Relief
26. Chief Deputy: <u><i>AB</i></u>	31. Project Balance: N/A
27. Engineers: <u><i>UA</i></u>	32. Staff Date: 2/19/2019
28. Managers: <u><i>UA</i></u>	33. Board Date: 3/11/2019
29. Coordinator: <u><i>UA</i></u>	34. Select For Pay Date:



Macomb County Finance Department
 120 N. Main Street, 2nd Floor
 Mt. Clemens, MI 48043

**PUBLIC WORKS OFFICE
 ATTN: BRUCE MANNING
 21777 DUNHAM RD
 CLINTON TOWNSHIP, MI 48036**

See Reverse Side For Easy Opening Instructions

Payment Terms:

Due Upon Receipt

Invoice Date

02/05/2019

Invoice

AR190123

REF DATE	DESCRIPTION	AMOUNT
02/05/2019	4th QTR 18 CHAP - PERSONNEL	231,644.12
02/05/2019	4 th QTR 18 - CHAP - OPERATING	138,426.60
02/05/2019	4th QTR 18 WASTE WTR - PERSON	398,352.22
02/05/2019	4th QTR 18 WASTE WTR - OPER	4,217.28
	Charges	772,640.22
	Amount Due	772,640.22

***** PLEASE RETURN THIS PORTION WITH YOUR PAYMENT *****

Finance Department Contact Number:

(586) 469-5251

Tax ID # / EIN Number:

38-6004868

Please email any questions about your account to:

Accounting@MacombGov.Org

Customer Number:

DPWK BA

Invoice Number:

AR190123

Please remit your payment to:

COUNTY OF MACOMB
 FINANCE DEPARTMENT
 120 NORTH MAIN STREET, 2nd FLOOR
 MOUNT CLEMENS, MI. 48043-5622

Invoice Date:

02/05/2019

Amount Due:

\$772,640.22

Report: GL80DCY
Fund: 101 General Fund
Key: 10144130 Public Works - Pumping Station

Macomb County, Michigan
Budget to Actual Report - By Org Key
10/1/2018 TO 12/31/2018

Fiscal Year: 2018
Fiscal Period: 12

Key	Description	2018 Adopted Budget	2018 Final Budget	Encumbered	Actual	Variance	Pct Utilized
Revenue Accounts							
39999	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Other Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>100.00 %</u>
57719	PERSONAL SERVICES	1,082,978.00	1,082,978.00	0.00	199,313.93	-883,664.07	18.40 %
57753	INS CLAIMS-WORKERS COMP	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Reimbursements	<u>1,082,978.00</u>	<u>1,082,978.00</u>	<u>0.00</u>	<u>199,313.93</u>	<u>-883,664.07</u>	<u>18.40 %</u>
	Total Revenue Accounts	<u>1,082,978.00</u>	<u>1,082,978.00</u>	<u>0.00</u>	<u>199,313.93</u>	<u>-883,664.07</u>	<u>18.40 %</u>
Expense Accounts							
70200	SAL & WAGE - BASE PAY	502,960.00	502,960.00	0.00	107,158.92	395,801.08	21.30 %
70201	CONTRA - BASE PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70202	SAL & WAGE-BUDGET PART TIME	49,264.00	49,264.00	0.00	4,785.20	44,478.80	9.71 %
70204	SAL & WAGE - RETRO PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70205	SAL & WAGE - COMP TIME PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70207	SAL & WAGE - COLA	0.00	0.00	0.00	0.00	0.00	100.00 %
70208	SAL & WAGE - IN LIEU OF MED	0.00	0.00	0.00	749.83	-749.83	100.00 %
70209	SAL & WAGE - TEMP/EXTRA-HIRE	0.00	0.00	0.00	0.00	0.00	100.00 %
70211	SAL & WAGE - OVERTIME	25,000.00	25,000.00	0.00	17,904.24	-17,904.24	100.00 %
70212	SAL & WAGE - STANDBY PAY	13,600.00	13,600.00	0.00	19,673.00	5,327.00	78.69 %
70213	SAL & WAGE - HOLIDAY PAY	8,000.00	8,000.00	0.00	2,457.42	11,142.58	18.06 %
70214	SAL & WAGE - LONGEVITY	2,000.00	2,000.00	0.00	7,703.12	296.88	96.28 %
70216	SAL & WAGE - CAR ALLOWANCE	0.00	0.00	0.00	2,000.00	0.00	100.00 %
70217	SAL & WAGE - ANN'L LEAV-PAYOFF	0.00	0.00	0.00	170.24	-170.24	100.00 %
70218	SAL & WAGE - SICK LEAVE-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70226	SAL & WAGE - LUMP SUM	0.00	0.00	0.00	0.00	0.00	100.00 %
70227	SAL & WAGE - EMP PROV VEH	0.00	0.00	0.00	0.00	0.00	100.00 %
70228	SAL & WAGE - GRP LIFE >\$50K	0.00	0.00	0.00	0.00	0.00	100.00 %
70298	SAL & WAGE - OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Salaries and Wages	<u>600,824.00</u>	<u>600,824.00</u>	<u>0.00</u>	<u>162,601.97</u>	<u>438,222.03</u>	<u>27.06 %</u>
71510	FICA - OASDI	37,251.00	37,251.00	0.00	10,072.13	27,178.87	27.03 %
71515	FICA - MEDICARE	8,712.00	8,712.00	0.00	2,361.33	6,350.67	27.10 %

Report: GL80DCY

Fund: 101 General Fund

Key: 10144130 Public Works - Pumping Station

Macomb County, Michigan

Budget to Actual Report - By Org Key

10/1/2018 TO 12/31/2018

Fiscal Year: 2018

Fiscal Period: 12 -

Key	Description	2018		Encumbered	Actual	Variance	Pct Utilized
		Adopted Budget	Final Budget				
71516	CONTRA-FICAMEDICARE	0.00	0.00	0.00	0.00	0.00	100.00 %
71520	HOSPITALIZATION INSURANCE	119,596.00	119,596.00	0.00	22,566.96	97,029.04	18.86 %
71521	DENTAL INSURANCE	7,480.00	7,480.00	0.00	1,255.92	6,224.08	16.79 %
71522	BCBS - TRADITIONAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71524	HEALTH ALLIANCE PLAN	0.00	0.00	0.00	0.00	0.00	100.00 %
71526	CONTRA-EMP HLTH/DENTAL/LIFE	0.00	0.00	0.00	0.00	0.00	100.00 %
71528	RETIREE DEATH BENEFIT	0.00	0.00	0.00	0.00	0.00	100.00 %
71529	RETIREE MEDICAL	51,732.00	51,732.00	0.00	12,930.00	38,802.00	24.99 %
71530	LIFE INSURANCE - BASE	421.00	421.00	0.00	85.95	335.05	20.41 %
71540	PENSION	55,320.00	55,320.00	0.00	15,810.00	39,510.00	28.57 %
71542	PENSION DEFINED CONTRIB	14,826.00	14,826.00	0.00	2,293.39	12,532.61	15.46 %
71546	CONTRA-PENS/RET MED	0.00	0.00	0.00	0.00	0.00	100.00 %
71550	DELTA DENTAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71555	GOLDEN DENTAL	0.00	0.00	0.00	0.00	0.00	100.00 %
71555	SVS VISION	0.00	0.00	0.00	0.00	0.00	100.00 %
71560	WORKER'S COMPENSATION	1,502.00	1,502.00	0.00	403.15	1,098.85	26.84 %
71570	UNEMPLOYMENT COMPENSATION	0.00	0.00	0.00	0.00	0.00	100.00 %
71580	LONG-TERM DISABILITY	1,021.00	1,021.00	0.00	192.08	828.92	18.81 %
71590	COMPENSATED ABSENCES	5,429.00	5,429.00	0.00	1,071.24	4,357.76	19.73 %
71591	CONTRA-WCOMP/UNEMPL/OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
71592	FRINGE ADJUSTMENT	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Fringe Benefits	<u>303,290.00</u>	<u>303,290.00</u>	<u>0.00</u>	<u>1,69,042.15</u>	<u>234,247.85</u>	<u>22.76 %</u>
93099	REPAIRS & MAINT - EQUIP OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
93101	EQUIP MAINT AGREEMENTS	0.00	0.00	0.00	0.00	0.00	100.00 %
96104	VEHICLE-GASOLINE	10,000.00	10,000.00	0.00	0.00	10,000.00	0.00 %
	Total Operating Expenses	<u>10,000.00</u>	<u>10,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>10,000.00</u>	<u>0.00 %</u>
91101	INSURANCE -LIABILITY	5,523.00	5,523.00	0.00	1,380.75	4,142.25	25.00 %
91102	INSURANCE -PROPERTY	12,000.00	12,000.00	0.00	0.00	12,000.00	0.00 %
91103	INSURANCE -FLEET	2,000.00	2,000.00	0.00	0.00	2,000.00	0.00 %
96103	INTER SERV-TELEPHONE	11,255.00	11,255.00	0.00	1,292.85	9,962.15	11.48 %
99101	INDIRECT COST ALLOCATION	138,086.00	138,086.00	0.00	135,753.00	2,333.00	98.31 %
	Total Internal Service Costs	<u>168,864.00</u>	<u>168,864.00</u>	<u>0.00</u>	<u>138,426.60</u>	<u>30,437.40</u>	<u>81.97 %</u>

Report: GL80DCY

Fund: 101 General Fund

Key: 10144130 Public Works - Pumping Station

Macomb County, Michigan

Budget to Actual Report - By Org Key

10/1/2018 TO 12/31/2018

Fiscal Year: 2018

Fiscal Period: 12

10144130 - PW-Pumping		4th Quarter
Payroll		162,601.97
Fringe		69,042.15
		231,644.12
Operating Expense		-
Internal Svc Cost		138,426.60
		138,426.60
Total		370,070.72

	2018 Adopted Budget	2018 Final Budget	Encumbered	Actual
Total Expense Accounts	1,082,978.00	1,082,978.00	0.00	370,070.72

Revenue	1,082,978.00	1,082,978.00	0.00	199,313.93
Expenses	1,082,978.00	1,082,978.00	0.00	370,070.72
Net	0.00	0.00	0.00	-170,756.79

Macomb County, Michigan
Budget to Actual Report - By Org Key
10/1/2018 TO 12/31/2018

Fiscal Year: 2018
Fiscal Period: 12 "

Key	Description	2018 Adopted Budget	2018 Final Budget	Encumbered	Actual	Variance	Pct Utilized
Revenue Accounts							
69999	MISCELLANEOUS	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Other Revenue	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	100.00 %
67719	PERSONAL SERVICES	1,528,498.00	1,558,067.00	0.00	388,227.47	-1,169,839.53	24.91 %
	Total Reimbursements	<u>1,528,498.00</u>	<u>1,558,067.00</u>	<u>0.00</u>	<u>388,227.47</u>	<u>-1,169,839.53</u>	24.91 %
	Total Revenue Accounts	<u>1,528,498.00</u>	<u>1,558,067.00</u>	<u>0.00</u>	<u>388,227.47</u>	<u>-1,169,839.53</u>	24.91 %
Expense Accounts							
70200	SAL & WAGE - BASE PAY	974,666.00	981,917.00	0.00	248,144.18	733,772.82	25.27 %
70201	CONTRA - BASE PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70204	SAL & WAGE-BUDGET PART TIME	0.00	19,832.00	0.00	2,102.92	17,729.08	10.60 %
70204	SAL & WAGE - RETRO PAY	0.00	0.00	0.00	0.00	0.00	100.00 %
70207	SAL & WAGE - COLA	0.00	0.00	0.00	0.00	0.00	100.00 %
70208	SAL & WAGE - IN LIEU OF MED	0.00	0.00	0.00	385.77	-385.77	100.00 %
70209	SAL & WAGE - TEMP/EXTRA-HIRE	0.00	0.00	0.00	5,353.88	-5,353.88	100.00 %
70211	SAL & WAGE - OVERTIME	25,000.00	25,000.00	0.00	8,729.60	16,270.40	34.91 %
70212	SAL & WAGE - STANDBY PAY	20,000.00	20,000.00	0.00	5,936.85	14,063.15	29.68 %
70214	SAL & WAGE - LONGEVITY	2,400.00	2,400.00	0.00	2,400.00	0.00	100.00 %
70216	SAL & WAGE - CAR ALLOWANCE	0.00	0.00	0.00	802.40	-802.40	100.00 %
70217	SAL & WAGE - ANNL LEAV-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70218	SAL & WAGE - SICK LEAVE-PAYOFF	0.00	0.00	0.00	0.00	0.00	100.00 %
70226	SAL & WAGE - LUMP SUM	0.00	0.00	0.00	0.00	0.00	100.00 %
70227	SAL & WAGE - EMP PROV VEH	0.00	0.00	0.00	0.00	0.00	100.00 %
70228	SAL & WAGE - GRP LIFE >\$50K	0.00	0.00	0.00	0.00	0.00	100.00 %
70298	SAL & WAGE - OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Salaries and Wages	<u>1,022,066.00</u>	<u>1,049,149.00</u>	<u>0.00</u>	<u>273,855.60</u>	<u>775,293.40</u>	26.10 %
71510	FICA - OASDI	63,368.00	65,022.00	0.00	17,062.93	47,959.07	26.24 %
71515	FICA - MEDICARE	14,820.00	15,206.00	0.00	4,017.95	11,188.05	26.42 %
71516	CONTRA-FICA/MEDICARE	0.00	0.00	0.00	0.00	0.00	100.00 %
71520	HOSPITALIZATION INSURANCE	180,992.00	180,992.00	0.00	40,582.41	140,409.59	22.42 %
71521	DENTAL INSURANCE	11,320.00	11,320.00	0.00	2,563.77	8,756.23	22.64 %

Report: GL80DCY

Fund: 101 General Fund

Key: 10144150 PW-Waste Water Services Div

Macomb County, Michigan

Budget to Actual Report - By Org Key

10/1/2018 TO 12/31/2018

Fiscal Year: 2018

Fiscal Period: 12

Key	Description	2018		Encumbered	Actual	Variance	Pct Utilized
		Adopted Budget	Final Budget				
71526	CONTRA-EMP HLTH/DENTAL/LIFE	0.00	0.00	0.00	0.00	0.00	100.00 %
71529	RETIREE MEDICAL	68,976.00	68,976.00	0.00	17,238.00	51,738.00	24.99 %
71530	LIFE INSURANCE - BASE	636.00	636.00	0.00	151.55	484.45	23.82 %
71540	PENSION	88,500.00	88,500.00	0.00	25,299.00	63,201.00	28.58 %
71542	PENSION DEFINED CONTRIB	33,912.00	33,912.00	0.00	14,072.63	19,839.37	41.49 %
71546	CONTRA-PENS/RET MED	0.00	0.00	0.00	0.00	0.00	100.00 %
71560	WORKER'S COMPENSATION	2,556.00	2,623.00	0.00	681.62	1,941.38	25.98 %
71580	LONG-TERM DISABILITY	1,738.00	1,782.00	0.00	345.70	1,436.30	19.39 %
71590	COMPENSATED ABSENCES	9,274.00	9,342.00	0.00	2,481.06	6,860.94	26.55 %
71591	CONTRA-WCOMP/UNEMPL/OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
	Total Fringe Benefits	476,082.00	478,311.00	0.00	124,496.62	353,814.38	26.02 %
72624	SUPPLIES - OFFICE	1,200.00	1,200.00	0.00	0.00	1,200.00	0.00 %
72904	POSTAGE & DELIVERY	300.00	300.00	0.00	0.00	300.00	0.00 %
92110	CELL PHONES/AIRCARDS	2,000.00	2,000.00	0.00	300.96	1,699.04	15.04 %
93099	REPAIRS & MAINT - EQUIP OTHER	0.00	0.00	0.00	0.00	0.00	100.00 %
96104	VEHICLE-GASOLINE	8,000.00	8,000.00	0.00	0.00	8,000.00	0.00 %
	Total Operating Expenses	11,500.00	11,500.00	0.00	300.96	11,199.04	2.61 %
91101	INSURANCE -LIABILITY	9,710.00	9,977.00	0.00	2,494.26		
91103	INSURANCE -FLEET	3,500.00	3,500.00	0.00	0.00		
96103	INTER SERV-TELEPHONE	5,630.00	5,630.00	0.00	1,422.12		
	Total Internal Service Costs	18,840.00	19,107.00	0.00	3,916.38		
97002	NEW EQUIPMENT	0.00	0.00	0.00	0.00		
97003	FURN & EQUIP-NON CAPITAL	0.00	0.00	0.00	0.00		
	Total Capital Outlay	0.00	0.00	0.00	0.00		
	Total Expense Accounts	1,528,498.00	1,558,067.00	0.00	402,569.56	1,155,897.44	

10144150 - PW-Waste W.		4th Quarter
Payroll		273,855.60
Fringe		124,496.62
		398,352.22
Operating Expense		300.90
Internal Svc Cost		3,916.38
Capital Outlay		4,217.28
Total		402,569.50

Report: GL80DCY

Fund: 101 General Fund

Key: 10144150 PW-Waste Water Services Div

Macomb County, Michigan

Budget to Actual Report - By Org Key

10/1/2018 TO 12/31/2018

Fiscal Year: 2016

Fiscal Period: 12

Key	Description	2018 Adopted Budget	2018 Final Budget	Encumbered	Actual	Variance	Pct Utilized
	Revenue	1,528,498.00	1,558,067.00	0.00	388,227.47	-1,169,839.53	
	Expenses	1,528,498.00	1,558,067.00	0.00	402,569.56	1,155,497.44	
	Net	0.00	0.00	0.00	-14,342.09	-14,342.09	



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 2/14/19
4. SET ID V19214MC		5. POST DATE

PARENT RECORD INFORMATION			
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) 35210
		10. Invoice Date 2/8/2019	11. Invoice Amount 108,058.00

CHILD RECORD DETAIL INFORMATION				19. Amount	20. DIV	21. MISC	22. Sep CK
General Ledger		Job Ledger	OPTIONAL	19. Amount	20. DIV	21. MISC	22. Sep CK
12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object				
A	8200017M	80146	80146	\$ 108,058.00	GEN		
B							
C							
D							
E							
F							
G							

23. Total: \$ **108,058.00** REV 09/2018

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:	2/19/2019
28. Managers:	<i>MA</i>	33. Board Date:	3/1/2019
29. Coordinator:	<i>MA</i>	34. Select For Pay Date:	



MOTOR CITY ELECTRIC TECHNOLOGIES
 9440 GRINNELL
 DETROIT, MI 48213-1151
 PHONE (313) 921-5300 FAX (313) 921-5310

INVOICE

10076
8 1/2

13040 MACOMB COUNTY

OFFICE OF PUBLIC WORKS
 ATTN: ACCOUNTS PAYABLE
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP MI 48036

Customer
 PO Number
 4-10-223

Job Number	Sub Job	Contract Number	Date Performed	Application Date	Application Number
918085		1	00/00/0000	02/08/2019	35210

CHAPATON PUMP STN
 FLOW METERS

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Completed & Stored	Balance to Finish	Current Retainage
001	8-1/2 MILE PERMANENT FLOW METERS	103,919.00	.00	103,919.00	103,919.00	.00	.00
002	CHANGE ORDER# 1	2,849.00	.00	2,849.00	2,849.00	.00	.00
003	CHANGE ORDER# 2	1,290.00	.00	1,290.00	1,290.00	.00	.00
	Totals	108,058.00		108,058.00			
	Less Retained Invoice Total			.00			
				108,058.00			

ATTN: ACCOUNTS PAYABLE DEPT.
 PO#4-10-223

PROVIDE ELECTRICAL SUPERVISION, LABOR,
 MATERIAL AND EQUIPMENT AS DIRECTED FOR
 8.5 MILE LASER FLOW METERING STATIONS.

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."



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 2/19/19
4. SET ID VP19220MFA		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Swan Analytical Instruments	7. VENDOR NUMBER V67870	8. ADDR CODE 01	9. Invoice No (MAX = 16 CHARACTERS) IN-US19-0429
			10. Invoice Date 2/18/2019
			11. Invoice Amount \$ 3,953.70

CHILD RECORD DETAIL INFORMATION										
General Ledger			Job Ledger		OPTIONAL			22. Sep CK		
Line	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
A	8200017M	97002	CC0004	97002		8 1/2 Mile Relief	PW000013, Cust 625052	\$ 3,040.00	GEN	
B	8200017M	97002	CC0004	97002		8 1/2 Mile Relief	PW000013, Cust 625052	\$ 93.50	GEN	0
C	8200017M	97002	CC0004	97002		8 1/2 Mile Relief	PW000013, Cust 625052	\$ 405.00	GEN	0
D	8200017M	97002	CC0004	97002		8 1/2 Mile Relief	PW000013, Cust 625052	\$ 246.00	GEN	0
E	8200017M	97002	CC0004	97002		8 1/2 Mile Relief	PW000013, Cust 625052	\$ 10.00	GEN	0
F	8200017M	72901	CC0004	72901		8 1/2 Mile Relief	PW000013, Cust 625052	\$ 159.20	GEN	0
G	8200017M									

23. Total: \$ **3,953.70**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Cleaning module

25. Finance Officer:	8 1/2 Mile Relief
26. Chief Deputy:	N/A
27. Engineers:	3/5/2019
28. Managers:	3/11/2019
29. Coordinator:	



225 LARKIN DR, UNIT 4 · WHEELING, IL 60090 · www.swan-analytical-usa.com · PHONE 847 229 1290 · FAX 847 229 1320

Macomb County Public Works
21777 Dunham Road
Clinton Township, MI 48036

Delivery address

Macomb County Public Works
23001 9 Mile Road
St Clair Shores, MI 48080

Invoice No. IN-US19-0429

IL 60090 Wheeling, 02/18/2019

Page1/1

Your Order No: PW000013
Your Contact: Steve Rozycki
Customer No: 625052
Date: 02/13/2019

Payment Condition: net 30 days
Prices VAT: Sales Tax not included
Delivery Terms: ex works

Pos.	Part-No.	Items	Quant.	Price	TOTAL USD
10	A-82.312.000	Cleaning module-II SN 000638 Cleaning module for chemical cleaning of AMI Codes-II. On PVC mounting panel. Connection of the system to the pump module PeriClip	1	3,040.00	3,040.00
20	F-99.999.400	Cleaning Module Reagent Kit containing: 2 pcs F-200313 Sulphuric Acid 2.5% 1L 2 pcs F-200314 Sodium Hypochlorite 2.5% 1L	1	93.50	93.50
	F-200313	Sulphuric Acid 2.5% (SPE-993) 1L bottle	2	0.00	0.00
	F-200314	SODIUM HYPOCHLORITE SOL. 2% 1L SPE994	2	0.00	0.00
50	A-85.410.120	Reagent set Oxycon On-line DPD, 8 sets For the determination of free chlorines, chlorine dioxide and bromine. 8 sets. For air transport according to IATA classified as "dangerous goods"!	1	405.00	405.00
60	A-85.419.200	Reagent set Oxycon On-line KI, 8 sets. Reagent set for the determination of total residual chlorine, monochloramines and ozone.	1	246.00	246.00
70	V-9703097	WINTER PACKING - FREEZE PROTECT	2	5.00	10.00

Total order value

\$3,794.50

Freight and Insurance

159.20

TOTAL USD

\$3,953.70

UPS TRACKING
1ZA154F50349906227
1ZA154F50349461636
1ZA154F50351466841

County of Macomb Prod
PURCHASE ORDER STATUS INQUIRY
PURCHASE ORDER INFORMATION

Report Date: 02/19/2019

PO Number: **PW000013**
PR Number: **RP000008**

Vendor: **V67870** SWAN ANALYTICAL USA INC
Addr Cd: **01**
225 LARKING DRIVE
WHEELING, IL 60090

Open Order

Confirm:	Requested by: Michelle Houvener	Req. Dt: 02/12/2019	Blanket Number:										
Account:	Approved by: BSIDBA	Apr Dt: 02/12/2019	Blanket Amount: 0.00										
Bid:	Printed by: MHOUBE	Print Dt: 02/19/2019	Blanket Remaining: 0.00										
Contract:		Required Date:	Buyer:										
Ship To: DPWK	End Use:		Req. Codes: <table border="1" style="display: inline-table; border-collapse: collapse;"><tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td>AM</td><td> </td><td> </td><td>EC</td></tr></table>							AM			EC
	AM			EC									
Bill To: DPWK													

ITEMS

Item	Qty Ordered	Qty Received	UN	Unit Price	Key	Object	Tax1 Tax2	Discount Charges	Extended	Catalog Ship To	F/A Whse	Print Chg
0001	1.00	0.00		3,040.00	8200017M	97002	0.00		3,040.00		N	
PRODUCT CODE #:				<u>Cleaning module-II</u>								
0002	1.00	0.00		93.50	8200017M	97002	0.00		93.50		N	
PRODUCT CODE #:				<u>Cleaning Module Reagent Kit</u>								
0003	1.00	0.00		405.00	8200017M	97002	0.00		405.00		N	
PRODUCT CODE #:				<u>Reagent set Oxycon On-line</u>								
PRODUCT CODE #:				<u>DPD. 8 sets</u>								
0004	1.00	0.00		246.00	8200017M	97002	0.00		246.00		N	
PRODUCT CODE #:				<u>Reagent set Oxycon On-line</u>								
PRODUCT CODE #:				<u>KI. 8 sets</u>								
0005	1.00	0.00		10.00	8200017M	97002	0.00		10.00		N	
PRODUCT CODE #:				<u>Winter Packing - Freeze</u>								
PRODUCT CODE #:				<u>Protect</u>								
0006	1.00	0.00		159.20	8200017M	72901	0.00		159.20		N	
PRODUCT CODE #:				<u>Freight and Insurance</u>								

ENCUMBRANCES

PR #	PR Item #	Key	Object	Reference #	Post Date	EN Amount	PD Amount	TI	Pay
RP000008	0001	8200017M	97002	PW000013	02/12/2019	\$3,040.00		EN	
RP000008	0002	8200017M	97002	PW000013	02/12/2019	\$93.50		EN	
RP000008	0003	8200017M	97002	PW000013	02/12/2019	\$405.00		EN	
RP000008	0004	8200017M	97002	PW000013	02/12/2019	\$246.00		EN	
RP000008	0005	8200017M	97002	PW000013	02/19/2019	\$10.00		EN	
RP000008	0006	8200017M	72901	PW000013	02/19/2019	\$159.20		EN	
					Balance:	3,953.70			



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 2/11/19
4. SET ID VP19214MB		
5. POST DATE		

PARENT RECORD INFORMATION			
6. VENDOR NAME (Check to be issued to) Wade Trim	7. VENDOR NUMBER V09446	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) M2013691
		10. Invoice Date 2/1/2019	11. Invoice Amount 17,936.50

CHILD RECORD DETAIL INFORMATION							
Line	Job Ledger		17. Secondary Reference (MAX = 16 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object					
A	8200017M	80138	CC0004 : 80138 : WO18332 : 8 1/2 Mile Relief	\$ 17,936.50	GEN		
B							
C							
D							
E							
F							
G							

23. Total: \$ **17,936.50** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	<i>AKM</i>	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	\$12.25
27. Engineers:		32. Staff Date:	2/19/2019
28. Managers:	<i>CA</i>	33. Board Date:	N/A
29. Coordinator:	<i>MT</i>	34. Select For Pay Date:	

Wade Trim

Wade Trim
500 Griswold Street • Suite 2500 • Detroit, MI 48226
313.961.3650 • FAX: 313.961.0898 • www.wadetrim.com
Federal ID 38-1802386

INVOICE

Terms: Net 30 Days
1.5% Per Month After 30 Days
18% Annual Rate

Macomb County Public Works
P.O. Box 806
Mt. Clemens, MI 48046-0806
Attention: Stephen Downing
Engineer II-Waste Water Services

Invoice Date : February 1, 2019
Invoice # : M2013691
Project # : MCW200401D

Remit payment to : Wade Trim
500 Griswold Street
Suite 2500
Detroit, MI 48226

Re: Basin Segmentation/Disinfection Sys

For Professional Services rendered from 12/29/2018 through 1/25/2019

Chapaton RTB Segmentation and Disinfection

WWS 18-006

\$117,500 - Original Contract Amount
\$ 9,275 - Change Order #1

\$126,775 - Current Contract Amount

Total Salaries	\$17,936.50
Total Expenses	\$0.00
Professional Services Rendered	\$17,936.50

Amount Due This Invoice	\$17,936.50
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Statement	
Prior Invoices	\$108,826.25
This Invoice	\$17,936.50
Total Invoiced	\$126,762.75
Paid to Date	\$79,317.50
Amount Outstanding	\$47,445.25

Fee Summary	
Authorized Fee	\$126,775.00
Total Invoiced	\$126,762.75
Amount Remaining	\$12.25



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INVOICE

Terms: Net 30 Days
 1.5% Per Month After 30 Days
 18% Annual Rate

Invoice Date : February 1, 2019
 Invoice # : M2013691
 Project # : MCW200401D

Phase: 200 -- Chapaton RTB Segmentation&Disinfect

Rate Schedule Labor

Classification	Hours	Rate	Amount
Engineering Technician II	7.60	\$75.00	\$570.00
PM - Senior Professional	21.00	\$195.00	\$4,095.00
Project Admin	0.50	\$65.00	\$32.50
Project Specialist III	0.50	\$165.00	\$82.50
Senior Professional	46.50	\$195.00	\$9,067.50
Total Rate Schedule Labor	76.10		\$13,847.50

Total Phase : 200 -- Chapaton RTB Segmentation&Disinfect Labor : \$13,847.50
 Expense : \$0.00

Phase: 201 -- CO#1 Canal Mapping and Survey

Rate Schedule Labor

Classification	Hours	Rate	Amount
PM - Senior Professional	3.20	\$195.00	\$624.00
Project Specialist III	21.00	\$165.00	\$3,465.00
Total Rate Schedule Labor	24.20		\$4,089.00

Total Phase : 201 -- CO#1 Canal Mapping and Survey Labor : \$4,089.00
 Expense : \$0.00

Total Project: MCW200401D -- Basin Segmentation/Disinfection Sys \$17,936.50

Chapaton RTB Segmentation / Disinfection

Conducted meetings with technical staff to review study progress, schedule and coordinate study efforts. Continued developing study report. Change Order 1: Completed conversion of point cloud and submitted deliverable.

Budget to Actual
 8.5 Mile Relief
 As of Feb 28, 2019 = 42%

DESCRIPTION	2019 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	26,000		27,934	(1,934)	107.4%
Other Revenue	1,500		26,249	(24,749)	1749.9%
8.5 O&M/Charge Required Revenue	3,898,266		1,949,133	1,949,133	50.0%
PY Revenue-Fund Balance	1,946,000			1,946,000	0.0%
Rental Fee	15,360		6,402	8,958	41.7%
Total Revenue Accounts	5,887,126	-	2,009,718	3,877,408	34.1%
EXPENSE ACCOUNTS					
Application/Permit Fee	3,000		3,000	-	100.0%
Dues, Training, Conf, Subs.	5,750		7,195	(1,445)	125.1%
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			75,000	0.0%
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		106	644	14.1%
Operating Supplies	82,750		26,710	56,040	32.3%
Other Professional Svcs	47,920		28,899	19,021	60.3%
Personnel Services	875,405		420,766	454,639	48.1%
Repair & Maintenance					
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			1,250,000	0.0%
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		119,011	71,062	62.6%
Utilities	284,148		45,064	239,084	15.9%
Total Expense Accounts	5,887,126	-	875,277	5,011,849	14.9%

	O&M Balance 9/30/2018	O&M	Total 2/28/2019
Cash - Operating	4,445,246	1,134,441	5,579,687
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		2,009,718	2,009,718
Expenditures		875,277	875,277
			0
Equity*	4,445,246		5,579,687

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