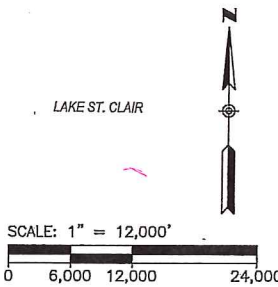
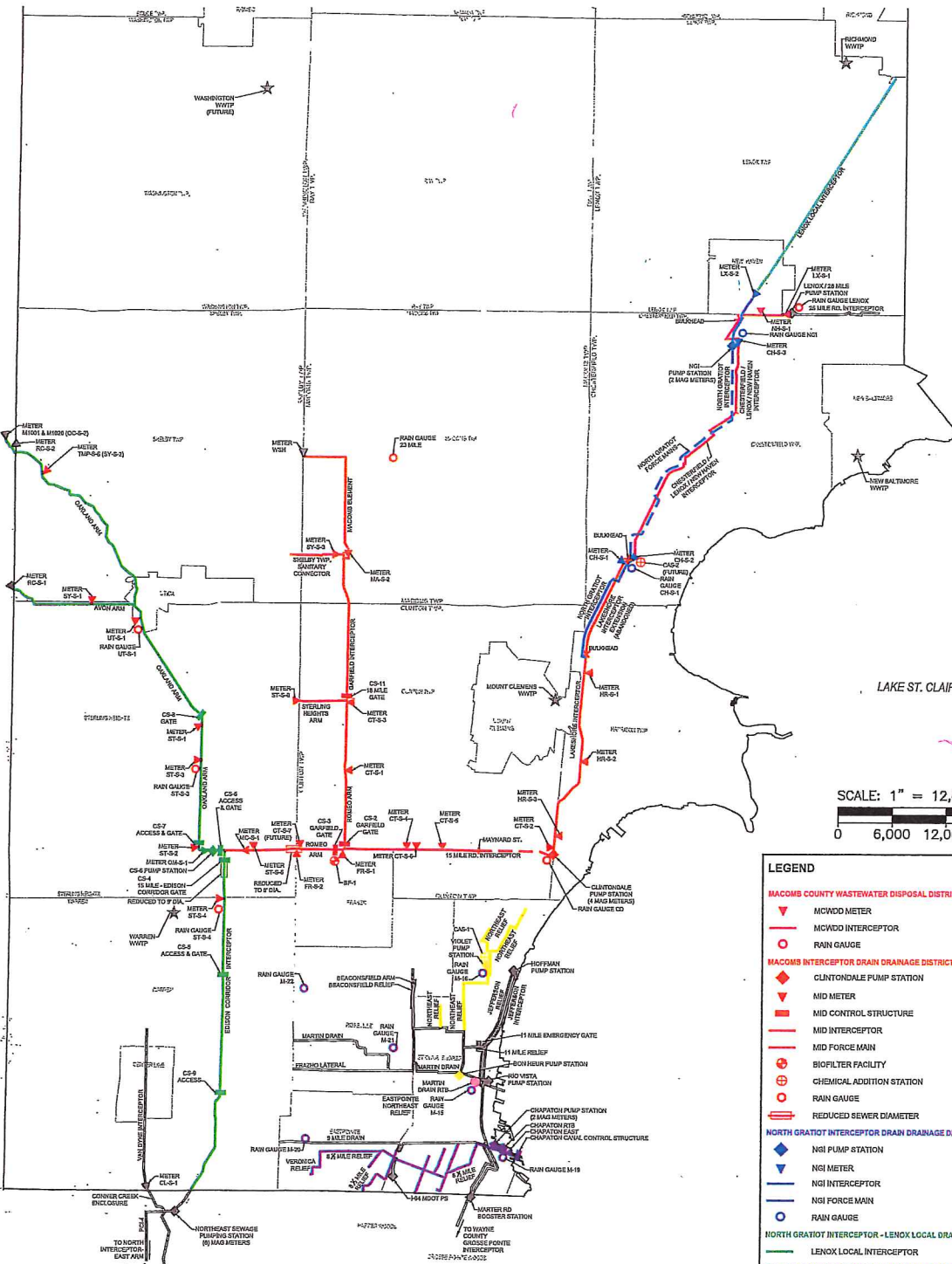


Miller
Santo
Klinefelt

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
JULY 9, 2018
10:30 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for July 9, 2018	
3. Approval of Minutes for June 11, 2018	3
4. Public participation	
5. Consideration for approval of invoices (see attached)	5
6. Financial Report – Bruce Manning	12
7. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



- LEGEND**
- ▼ MCWDD METER
 - MCWDD INTERCEPTOR
 - RAIN GAUGE
 - ◆ MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIIDD)
 - ▲ CLINTONDALE PUMP STATION
 - ▼ MID METER
 - MID CONTROL STRUCTURE
 - MID INTERCEPTOR
 - MID FORCE MAIN
 - ⊕ BIOFILTER FACILITY
 - ⊕ CHEMICAL ADDITION STATION
 - RAIN GAUGE
 - REDUCED SEWER DIAMETER
 - ◆ NORTH GRATIOT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NGIDD)
 - ▲ NGI PUMP STATION
 - ▼ NGI METER
 - NGI INTERCEPTOR
 - NGI FORCE MAIN
 - RAIN GAUGE
 - NORTH GRATIOT INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (NGILLDD)
 - LENOX LOCAL INTERCEPTOR
 - ◆ 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
 - ▲ CHAPATON WEST PUMP STATION
 - ▼ CHAPATON RETENTION TREATMENT BASIN
 - CHAPATON CANAL CONTROL GATE
 - 8 1/2 MILE INTERCEPTOR
 - RAIN GAUGE
 - ◆ SEMCWD DISTRICT
 - ▲ SEMCWD PUMP STATION
 - ▼ CHEMICAL ADDITION STATION
 - SEMCWD INTERCEPTOR
 - ◆ MARTIN SANITARY DIVERSION DRAINAGE DISTRICT (MSIDD)
 - ▲ MARTIN DRAIN RETENTION TREATMENT BASIN
 - ◆ OTHER SYSTEMS
 - ▼ PUMP STATION
 - ▼ METER
 - ★ WWTP
 - INTERCEPTOR

Candice S. Miller
MACOMB COUNTY PUBLIC WORKS COMMISSIONER



An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on June 11, 2018, at 11:37 A.M.

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

ALSO PRESENT: Brian Baker, Chief Deputy, Karen Czernel, Deputy, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, P.E., Environmental Engineer, Bruce Manning, Financial Manager, Dan Heaton, Public Relations Manager, Thomas Stockel, Construction Engineer, Barbara Delecke, Administrative Services, Macomb County Public Works (MCPW)

The meeting was called to order by the Chair, Candice Miller. The agenda was approved as presented.

Minutes of the meeting of May 14, 2018 were presented. A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

A State Competitive Grant Assistance Program (CGAP) Grant in the amount of \$125,000 was received for development of a Master Plan with Southeast Macomb Sanitary District (SEMSD) and \$25,000 for legal fees to expand a service sharing agreement between Macomb County and SEMSD. SEMSD has agreed to pay \$500,000 toward the development of the Master Plan.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the resolution accepting the State Competitive Grant Assistance Program (CGAP) Grant for \$150,000 for a shared Services Plan and authorize Macomb County Public Works Commissioner to sign as Chair of the Board.

Adopted: YEAS: 3
NAYS: 0

Green Meadows Landscape declined the contract for mowing Macomb County drain sites. The next lowest bidder, Marino's Landscape was contacted and has agreed to accept the work.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the award of the contract to Marino's Landscape (next lowest bidder) in the amount of \$30,581 for mowing of Public Works Drain sites, with the 8 ½ Mile Relief share of cost at \$8,181.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$193,218:71 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

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 11:40 a.m.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on June 11, 2018 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 6/14/18

9298.bd

EIGHT AND ONE-HALF MILE RELIEF DRAIN - JULY 9, 2018

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance	
8 1/2 Mile Relief	Chapter 20 State of MI - 16.04% County of Macomb - 2.25% Dept. of Roads - 2.25% Eastpointe - 54.33% St. Clair Shores - 25.13%	Astorino	DTE Energy	\$ 13,050.37	Monthly Electric - 5/8/18 - 6/10/18	SWPs		
		Astorino	Motor City Electric Technologies, Inc.	\$ 650.00	Invoice #91799 - 4/16/18	Repair control panel UPS		
		Astorino	Motor City Electric Technologies, Inc.	\$ 933.72	Invoice #91807 - 4/25/18		Install new fiber switch, configure OSPF routing	
		Astorino	Tetra Tech, Inc.	\$ 14,720.00	Invoice #51320738 - 6/8/18		Chapaton Expansion Study	\$ 98,860.00
		Astorino	Urban Land Consultants, LLC	\$ 2,550.00	Engineering Services - ending 5/25/18		Survey of Chapaton RTB Property	
		Total		\$ 31,884.09				

Account Information

18-288

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

RECEIVED
JUN 18 2018
BY: MH

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

For the average Michigan residential customer, renewable energy is estimated to avoid \$3.08 per month of new coal-fired generation costs.

Chg: 8 1/2 Mile

Date	6-18-18
Chief Deputy	AB
Engineer(s)	
Manager(s)	WS
Coordinator(s)	DD
Finance Officer	hkm

PA 039712 92300



Staff 7-3-18
Board 7-9-18



Detail Charges

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

Outage Contact Number: 1-313-235-1300

Invoice: 200020854958

Billing Period: 05/08/2018 through 06/10/2018

Days Billed: 34

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
6321448	05/08	270.6A	06/10	278.4A	7.8	6,400.0000	49,920.0	P - In-V
6321448	05/08	333.3A	06/10	347.1A	13.8	6,400.0000	88,320.0	P - In-W
6321449	05/08	0.0A	06/10	0.0A	0.0	- 6400.000	0.0	P - Out-W
6321449	05/08	0.8A	06/10	0.8A	0.0	- 6400.000	0.0	P - Out-V
6321451	05/08	0.4A	06/10	0.4A	0.0	6,400.0000	0.0	P - In-V
6321451	05/08	0.4A	06/10	0.4A	0.0	6,400.0000	0.0	P - In-W
Total KVARH							49,920.00	
Total KWH							88,320.00	

Invoice: 200020854958	Service Name: Chapaton Pumping Station	General Service Municipal Pumping-Net Metering Cat1
Item: 7004376662	Cycle: 05	

Billing Status Information

1	On-peak Billing Demand	343	KW	ESTABLISHED	05/15/2018	11:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	1697	KW	ESTABLISHED	05/15/2018	11:30
8	Highest Single Billing Demand	3953	KW	ESTABLISHED	05/12/2018	04:30
A	Current PV High Monthly Demand	3953	KW	ESTABLISHED	05/12/2018	04:30
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	4101	KW	ESTABLISHED	08/28/2017	21:00
	Contract Capacity for Location	6738	KW	ESTABLISHED	08/16/2016	05:00
	Power Factor (ratio) for all voltages	87	PCT			
	Total Number of days in the Billing Period	34	DAYS			
	Avg Kilowatthours Used Per Day This Period	2598	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1321	KWH			
	kWh percentage change from a year ago	97	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	88320	KWH			
	Net Inflow (In - Out)	88320	KWH			

Charges for 05/08/2018 through 06/10/2018

Power Supply Charges:

Power Supply Energy:						
Power Supply Energy Charge	88,320	KWH			Per Total KWH	0.00
Power Supply Capacity Charge	88,320	KWH	@ \$	0.0321400	Per Total KWH	2,838.60
Power Supply Non Capacity Charge	88,320	KWH	@ \$	0.0477800	Per Total KWH	4,219.93
Surcharges:						
Power Supply Cost Recovery Factor	88,320	KWH	@ \$	-0.0008700	Per Total KWH	- 76.84
Sub Total:						6,981.69

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	88,320	KWH	@ \$	0.0386500	Per Total KWH	3,413.57
Surcharges:						
Nuclear Surcharge	88,320	KWH	@ \$	0.0007650	Per Total KWH	67.56
Energy Waste Reduction	2	MTR	@ \$	37.2200000		74.44
LIEAF Factor	2	MTR	@ \$	0.9300000		1.86
Sub Total:						3,568.68
Special Facilities Charge						2,500.00

Invoice Subtotal

13,050.37

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$13,050.37





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"

RECEIVED
 JUN 04 2018
 BY: MW

INVOICE

Customer
 PO Number
 13030 MACOMB COUNTY PUBLIC WORKS
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP, MI 48036

Job Number	Sub Job	Contract Number	Date Performed	Application Date	Application Number
918500	0	001	4/16/2018	5/30/2018	917799

JOE BETZ

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	MACOMB COUNTY T&M	\$630.00	-	\$630.00	\$630.00	-	-
Totals:		\$630.00		\$630.00	\$630.00		
Less Retained:							
Invoice Total:				\$630.00			

8

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

CHAPATON: 100% = \$630.00

Chg: 8 1/2 Mile

Date	6.4.18
Chief Deputy	AP
Engineer(s)	
Manager(s)	UT
Coordinator(s)	BP
Finance Officer	MAM

Start 6-19-18
 Done 7-9-18

PA039589 80700

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."



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

RECEIVED
 JUN 04 2008
 BY: MH

13030 MACOMB COUNTY PUBLIC WORKS
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP, MI 48036

Job Number	918500	Sub Job	0	Contract Number	001	Date Performed	4/25/2018	Date	5/31/2018	Application Number	91807
------------	--------	---------	---	-----------------	-----	----------------	-----------	------	-----------	--------------------	-------

JOE BETZ

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	MACOMB COUNTY T&M	\$3,110.71	-	\$3,110.71	\$3,110.71	-	-
Totals:		\$3,110.71	-	\$3,110.71	\$3,110.71	-	-
Less Retained:							
Invoice Total:		\$3,110.71		\$3,110.71			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

50% = \$1,555.35
 MIDD: 86% = \$1,337.60
 OMID: 14% = \$ 217.75

50% = \$1,555.36
 Chapaton: 60% = \$933.22
 Martin: 25% = \$388.84
 SEMCWWD: 15% = \$233.30

Qty: 8 1/2 Mile

Date: 6.4.18
 Chief Deputy: AB
 Engineer (s): UA
 Manager (s): UA
 Coordinator (s): BD
 Finance Officer: KM

Start 6.19.18
 Done 7.9.18

PA039582 80700

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."



Tetra Tech, Inc.
 424 Lewis Hargett Circle
 Ste. 110
 Lexington, KY 40503
 (859) 223-8000



BILL TO: MACOMB COUNTY
ATTN: FINANCE DEPARTMENT
 OFFICE OF PUBLIC WORKS
 COMMISSIONER
 21777 DUNHAM RD
 PO BOX 806
 CLINTON TOWNSHIP, MI 48036

INVOICE NUMBER: 51320738
INVOICE DATE: 06/08/2018
SERVICES THROUGH: 05/25/2018
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Project Contact - Vincent Astorino - vincent.astorino@macombgov.org

Notice of Award 2/14/18

PROFESSIONAL SERVICES:

Project Number 200-16347-18001 **Maçomb Chapaton Expansion Study-MCPWO Project: MCPWO-WWS-2018-004**
Top Task 001 **Study**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Irgang, Laura M.	Project Engineer 1	53.50	\$150.00	\$8,025.00
Kingsley, Kenneth	Sr Project Manager	2.00	\$200.00	\$400.00
Lopez Lopez, Daniela S.	Engineer 2	12.00	\$115.00	\$1,380.00
Melling, Vickie L.	CAD Technician 2	14.00	\$90.00	\$1,260.00
Rubel, Brian M.	Program Manager	2.00	\$200.00	\$400.00
Takacs, Krista M.	Project Engineer 1	17.00	\$150.00	\$2,550.00
Voss, Justin D.	Project Engineer 1	2.00	\$150.00	\$300.00
Watts, Debra	Technician 3	4.50	\$90.00	\$405.00
TOTAL LABOR		107.00		\$14,720.00
		SUBTOTAL		\$14,720.00

Total Top Task# 001 \$14,720.00
Total Project# 200-16347-18001 \$14,720.00

TOTAL AMOUNT DUE THIS INVOICE: **\$14,720.00**

Chg: 8 1/2 Mile Ref

Date 6.11.18
 Chief Deputy AB
 Engineer(s) _____
 Manager(s) UA
 Coordinator(s) BD
 Finance Officer hkm

PA039676 **0300**

Gross Contract Summary	
Contract Amount	\$113,580.00
Previously Billed	\$0.00
Current Billing	\$14,720.00
Total Billed to Date	\$14,720.00
Contract Balance Remaining	\$98,860.00

REMIT PAYMENT TO:

TETRA TECH, INC.
 PO BOX 911967
 DENVER, CO 80291-1967

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.

Staff 7-3-18
Board 7-9-18



**Civil Engineers
Land Surveyors
GPS Consultants
Planners**



8800 Twenty Three Mile Road
Shelby Township, MI 48316-4516
Phone: (586) 731-8030
Fax: (586) 731-2605
Email: info@urban-land.com

Invoice

Invoice Date: 6/7/2018

Invoice #: 14191

Macomb County Public Works
Attn: Tamara Keskeny
21777 Dunham Road
Clinton Twp., MI 48036

Project: 180359 - NW 1/4, Sec. 35, SCS

Description	Amount
Survey	3,900.00
Points on Line	600.00
<p><i>Chg: 8 1/2 Mile Ref</i></p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>Date <u>6-7-18</u></p> <p>Chief Deputy <u>AB</u></p> <p>Engineer(s) _____</p> <p>Manager(s) <u>VA</u></p> <p>Coordinator(s) <u>BD</u></p> <p>Finance Officer <u>km</u></p> </div> <p><u>PA 039627</u> <u>80300</u></p>	

WE ACCEPT CREDIT CARD PAYMENTS FOR YOUR CONVENIENCE

Total \$4,500.00

Paid on Account -\$1,950.00

Balance Due \$2,550.00

Balance Due Upon Receipt of Invoice

Staff 6-19-18
Board - 7-9-18

Income Statement
8.5 Mile Relief
As of June 30, 2018

	9-30-2017	10-1-17 to 5-31-18	Jun-18	Total
	Total Fund	O&M	O&M	6/30/2018
Revenues		2,643,611	205,139	2,848,749
Expenditures		820,117	359,868	1,179,985
Equity**	3,105,754			4,774,518

NOTES

Reserves as of Sept 30, 2017	600,000
Required SRF repair & replacement reserve balance 9/	1,308,558
Total	<u>1,908,558</u>

**** Broken out as follows:**

Engineering carryover balance at 9/30/2017	356,050
Repair and Maintenance carryover at 9/30/2017	422,000
SCADA reserve at 9/30/2017	40,000
Equipment carryover balance at 9/30/2017	131,800
Required SRF repair & replacement reserve balance 9/	1,308,558
Emergency Reserve	600,000