



December 3, 2020

Attn: Compliance Tracker (ECA-18J)  
Air Enforcement and Compliance Assurance Branch  
U.S. Environmental Protection Agency, Region 5  
77 West Jackson Boulevard  
Chicago, IL 60604

Sent via electronic mail – [r5airenforcement@epa.gov](mailto:r5airenforcement@epa.gov)

**Subject: DTE Energy – Trenton Channel Power Plant  
Docket No. CAA-05-2019-0026**

---

DTE Electric Company is submitting this report per the conditions of the Consent Agreement and Final Order (CAFO) issued under Docket No. CAA-05-2019-0026 for DTE Energy – Trenton Channel Power Plant. Under the terms of this CAFO, DTE Electric Company was required to complete a supplemental environmental project (SEP). This SEP completion report is also required by the CAFO

### **Description of the Supplemental Environmental Project**

DTE Electric Company funded the purchase and installation of high-efficiency lighting to replace less efficient lighting for two local municipalities in 2019. The projects occurred with the Grosse Ile School District and the City of Trenton Ice Arena. This project involved replacing inefficient lighting in three buildings with more efficient LED lighting within the Grosse Ile School District (Parklane Elementary School, Grosse Ile High School and one administrative building) as well as the City of Trenton Ice Arena (Kennedy Recreation Center). DTE funded the purchase of all lighting and also funded the installation of the lighting for the school district buildings. The City of Trenton installed the lighting at the ice arena. Overall, 9,225 lights were installed during the entire project. The old lighting was also disposed of in accordance with applicable regulations.

### **Project Cost**

DTE funded purchasing of the lighting through existing agreements with the Marshall E. Campbell Company. This allowed for DTE to purchase 9,225 lights at a total cost of \$14,667.75. DTE also funded the installation of the lighting. The installation was performed by Walker Miller Energy Services, LLC which also handled disposal of the old lighting. The installation and disposal were completed at a cost of \$84,709.80. The total project cost was \$99,377.55. Further detail on the cost can be found in the attachments.

## **Environmental Benefits**

The new lighting is more efficient than the old lighting. In addition to less operational cost for the municipalities, this project provides environmental benefits. The more efficient lighting will use less electricity to operate which correlates to less electricity generation and lower overall emissions from generation of electricity. The new lamps are 14-watt lamps while the lamps replaced were 32-watt lamps, resulting in an 18-watt per lamp reduction. This results in a significant energy reduction (kilowatt-hours). The table below provides an estimate of the electricity savings on an annual basis.

<b><u>Location</u></b>	<b><u># Lamps</u></b>	<b><u>Operating Hrs/Day</u></b>	<b><u>Operating Days/Yr</u></b>	<b><u>Total Hrs Per Lamp</u></b>	<b><u>Watt Savings</u></b>	<b><u>Energy Savings</u></b>
Grosse Ile Schools	8,400	10	200	2,000	18/lamp	302,400 kw-hrs
Kennedy Rec Center	825	16	350	5,600	18/lamp	83,160 kw-hrs
<b><u>Total Annual Energy Savings</u></b>						<b>385,560 Kw-hrs</b>

This energy savings results in lower overall emissions from power generation. Using the emissions rates from Trenton Channel Power Plant, the energy savings results in annual emissions reductions of approximately 470 tons CO<sub>2</sub>, 2,250 pounds of SO<sub>2</sub>, and 770 pounds of NO<sub>x</sub>. The new LED lamps also have a longer life-cycle than the older lighting which will result in lower future waste generation.

## **Certification**

I certify that I am familiar with the information in this document and that, based on my inquiry of those individuals responsible for obtaining the information, it is true and complete to the best of my knowledge. I know that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

If you have any questions regarding this submittal, please contact me at (734) 362-2201 or [Wanda.Sands@dteenergy.com](mailto:Wanda.Sands@dteenergy.com) or contact Barry Marietta (Manager – Environmental Strategy) at (810) 343-6391 or [Barry.Marietta@dteenergy.com](mailto:Barry.Marietta@dteenergy.com).

Sincerely,



Wanda Sands  
Plant Manager – Trenton Channel Power Plant  
DTE Electric Company

Attachments

Cc (electronic): Kelly Martorano – DTE Energy  
Barry Marietta – DTE Energy



**Vendor Name & Address:**

Contact Person: Not Available  
Vendor Number: 211052

WALKER MILLER ENERGY SERVICES LLC  
8045 2ND AVE  
DETROIT MI 48202

**Purchase Order Information:**

Purchase Order Number: 4701330874  
Purchase Order Date: 05/10/2019  
Contract Number: Not Applicable

**Delivery Address:**

Trenton Channel Power Plant  
4695 West Jefferson Ave.  
Trenton MI 48183

**Company Buyer:**

Buyer: Victoria A Tiedt  
Phone: 313-618-7986  
Fax:  
Email: VICTORIA.TIEDT@DTEENERGY.COM

**Bill to Address:**

This is an ERS PO. Do not send an invoice to DTE accounts payable. However, an invoice may be required to be sent to others at DTE. If applicable, see the invoice instructions contained in this purchase order or contract.

**Terms of Payment: Net 30 days**

All material packages or items weighing 50 pounds or more must include the weight clearly marked on the outside of the package or item. Failure to mark weights on packages or items of 50 pounds or more may subject Seller to rejection of shipment or deduction of associated cost to weigh and label, at Company's discretion.

By providing the Company service under this Purchase Order, Contractor agrees that the service is being provided solely in accordance with the referenced Terms and Conditions for Services 05/2018 and the terms in this Purchase Order unless otherwise agreed to in writing by both parties. The Company standard terms and conditions are located at: [www.DTEEnergy.com](http://www.DTEEnergy.com) COMPANY EXPRESSLY LIMITS ACCEPTANCE TO THE TERMS HEREOF AND SPECIFICALLY OBJECTS TO ANY DIFFERENT OR ADDITIONAL TERMS PROPOSED BY CONTRACTOR IN ANY QUOTE, PROPOSAL OR OTHER DOCUMENT.

Walker-Miller to lamp Grosse Ile Schools

The Company will use its evaluated receipt settlement (ERS) process to schedule payment for confirming goods or services received at the price and payment terms specified on the Purchase Order.

**Applicable Tax Information :**

**DIRECT PAY PERMIT** - DTE Electric Company is authorized to pay sales or use taxes on purchases of tangible personal property directly to the State of Michigan under Account Number #ME-0115606. Exemption not applicable to purchased or leased vehicles, vehicle fuels, communication services, and utility purchases.



Contractor shall submit a statement of charges to the Contract Administrator. Statement shall match the line items on Purchase Order and shall include sufficient documentation to substantiate all charges.

Appendix A - Insurance Requirements is hereby made a part of this Purchase Order. A current Insurance Certificate, naming "DTE Energy Company and all subsidiaries, including the specific Company noted on the Purchase Order or Contract" as the Certificate Holder and Additional Insured and other requirements as set forth in Appendix A, must be on file with the Company or submitted prior to commencing work under this Purchase Order or Contract. The Insurance Certificate must also include the SAP Vendor Number noted on the Purchase Order or Contract. The Insurance Certificate must be sent to the Buyer referenced on the Purchase Order or Contract.

Seq No	Item No.	Material/Service No. Long Description	Short Description	Qty	UoM	Unit Price (in USD)	Total Price (in USD)	Tax Amt (in USD)
1	1	7001350	TECHNICAL SERVICES .	255.00	EA	37.80	9,639.00	
Work order number: M00053524383 Contract Administrator: Gary Alderton Phone: 734-362-2265 Email: GARY.ALDERTON@DTEENERGY.COM  Vendor   Start Date: 05/09/2019								
2	2	7001350	TECHNICAL SERVICES .	786.00	EA	37.80	29,710.80	
Work order number: M00053524383  Vendor   Start Date: 05/09/2019								



Seq No	Item No.	Material/Service No. Long Description	Short Description	Qty	UoM	Unit Price (in USD)	Total Price (in USD)	Tax Amt (in USD)
3	3	7001350	TECHNICAL SERVICES .	1,200.00	EA	37.80	45,360.00	
Work order number: M00053524383  Vendor   Start Date: 05/09/2019								

Subtotal	84,709.80
Tax	0.00
<b>Grand Total (in USD)</b>	<b>84,709.80</b>

This Purchase Order requires a signed acceptance copy from an authorized Contractor representative. The signed acceptance copy shall be forwarded to the Company Buyer. Contractor hereby accepts this Purchase Order in accordance with the terms and conditions specified herein.

Acceptance Copy

Accepted by: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Date: \_\_\_\_\_

Company Representative: Victoria A Tiedt

Authorized by



2975 Lapeer Rd.  
Port Huron, MI 48060

2975 Lapeer Rd  
Port Huron, MI 48060  
810 985-7106

# QUOTATION

Order Number	
1836246	
Order Date	Page
4/12/2019 12:24:38	1 of 1

**Bill To:**

DTE ENERGY  
P.O. BOX 1659  
DETROIT, MI 48231  
US

313-237-7873

**Ship To:**

DTE ENERGY-TRENTON CH PP  
Grosse Ile High School  
7800 Gays Dr.  
Grosse Ile Twp., MI 48188

**Customer ID:** 212463      **Requested Date:** 4/12/2019      **Job:** GROSE ISLE SCHOOLS

<i>PO Number</i>	<i>Ordered By</i>	<i>Ship Route</i>	<i>Taker</i>
	Requested By: Gary Alderton	DT	Pete Wilsey

<i>Lin#</i>	<i>Quantity Quoted</i>	<i>Estimated Delivery Date</i>	<i>UOM</i> <i>Unit Size</i>	<i>Item ID</i> <i>Item Description</i>	<i>Unit Price</i>	<i>Pricing UOM</i>	<i>Extended Price</i>
001	8,400.00	4/12/2019	EA	SYLLED14T8/L48/FG/841/BF 1.0 4 ft, LEDlescent <sup>®</sup> Ballast free LED T8, f rosted glass, 14W, 120 277V, 82 CRI, 1800 Lumens, 4100K CCT, 50000 life	5.5900	EA	46,956.00

Total Lines: 1

<b>SUB-TOTAL:</b>	46,956.00
<b>TAX:</b>	0.00
<b>REBATE-DTE-LED-4FT-T8-LAMP-2018:</b>	-33,600.00
<b>AMOUNT DUE:</b>	<b>13,356.00</b>

*U.S. Dollars*

**Expiration:** Unless otherwise stated on the quotation, all quotes are valid for 30 days other than conduit and wire which is only valid for one business day due to radical fluctuations in commodity prices.

**Return Goods Policy:** Requests for the return of goods for credit must be made within 180 days of date shipped. All material returned will be reviewed and inspected before being accepted for credit. All material must be in new saleable condition and its original boxes. All material accepted for credit is subject to restocking charges. If the item(s) are not stocked at ME Campbell Co, then the return and amount of credit issued is subject to the respective manufacturer's return policy. If parts are deemed non-returnable by the manufacturer then no credit will be issued and the parts will be returned to the customer. No credit will be issued for material cut to length at the request of the customer, hydraulic hoses or any other special kit assemblies.



2975 Lapeer Rd.  
Port Huron, MI 48060

2975 Lapeer Rd  
Port Huron, MI 48060  
810 985-7106

# QUOTATION

Order Number	
1831830	
Order Date	Page
3/25/2019 15:27:06	1 of 1

**Bill To:**

DTE ENERGY  
P.O. BOX 1659  
DETROIT, MI 48231  
US

313-237-7873

**Ship To:**

DTE ENERGY-TRENTON CH PP  
4695 W. JEFFERSON AVE  
TRENTON, MI 48183

**Customer ID:** 212463      **Requested Date:** 3/25/2019      **Job:** KENNEDY REC CENTER

<i>PO Number</i>	<i>Ordered By</i>	<i>Ship Route</i>	<i>Taker</i>
	Requested By: Gary Alderton	DT	Pete Wilsey

<i>Lin#</i>	<i>Quantity Quoted</i>	<i>Estimated Delivery Date</i>	<i>UOM Unit Size</i>	<i>Item ID Item Description</i>	<i>Unit Price</i>	<i>Pricing UOM</i>	<i>Extended Price</i>
001	825.00	4/4/2019 0	EA	SYLLED14T8/L48/FG/850/BF 1.0 4 ft, LEDlescentÖ Ballast free LED T8, f rosted glass, 14W, 120 277V, 82 CRI, 1800 Lumens, 5000K CCT, 50000 life	5.5900	EA	4,611.75

Total Lines: 1

<b>SUB-TOTAL:</b>	4,611.75
<b>TAX:</b>	0.00
<b>REBATE-DTE-LED-4FT-T8-LAMP-2018:</b>	-3,300.00
<b>AMOUNT DUE:</b>	<b>1,311.75</b>
	<i>U.S. Dollars</i>

**Expiration:** Unless otherwise stated on the quotation, all quotes are valid for 30 days other than conduit and wire which is only valid for one business day due to radical fluctuations in commodity prices.

**Return Goods Policy:** Requests for the return of goods for credit must be made within 180 days of date shipped. All material returned will be reviewed and inspected before being accepted for credit. All material must be in new saleable condition and its original boxes. All material accepted for credit is subject to restocking charges. If the item(s) are not stocked at ME Campbell Co, then the return and amount of credit issued is subject to the respective manufacturer's return policy. If parts are deemed non-returnable by the manufacturer then no credit will be issued and the parts will be returned to the customer. No credit will be issued for material cut to length at the request of the customer, hydraulic hoses or any other special kit assemblies.