**RATE SCHEDULE NO. D1**  

**RESIDENTIAL SERVICE RATE**

**AVAILABILITY OF SERVICE:** Available to customers desiring service for all residential purposes through one meter to a single or double occupancy dwelling unit including farm dwellings. A dwelling unit consists of a kitchen, bathroom, and heating facilities connected on a permanent basis. Service to appurtenant buildings may be taken on the same meter.

This rate is not available for common areas of separately metered apartments and condominium complexes, nor to a separate meter which serves a garage, boat well or other non-dwelling applications.

**HOURS OF SERVICE:** 24 hours.

**CURRENT, PHASE AND VOLTAGE:** Alternating current, single-phase, nominally at 120/240 volts, three-wire. Where available, and the demand justifies, three-phase four-wire, Y connected service may be had at 208Y/120 volts nominally.

In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volts, three-wire service may be taken.

**RATE PER DAY:**

**Full Service Customers:**

- **Power Supply Charges:**
  - Capacity Energy Charges: 3.705¢ per kWh for the first 17 kWh per day
  - 5.339¢ per kWh for excess over 17 kWh per day

- **Non-Capacity Energy Charge:** 4.687¢ per kWh for all kWh

- **Delivery Charges:**
  - Service Charge: $7.50 per month
  - Distribution Charge: 6.109¢ per kWh for all kWh

- **Surcharges and Credits:** As approved by the Commission. See Sections C8.5 and C9.8. Applies only to actual consumption and not to the minimum charge.

**Retail Access Service Customers:**

- **Power Supply Charges for Retail Access Customers taking Utility Capacity service for DTE:**
  - Capacity Energy Charges: 3.705¢ per kWh for the first 17 kWh per day
  - 5.339¢ per kWh for excess over 17 kWh

- **Delivery Charges:**
  - Service Charge: $7.50 per month
  - Distribution Charge: 6.109¢ per kWh for all kWh

- **Surcharges and Credits:** As approved by the Commission. See Section C9.8. Applies only to actual consumption and not to the minimum charge. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Sections C8.5.

(Continued on Sheet No. D-2.00)
M.P.S.C. No. 1 - Electric  Sixth Revised Sheet No. D-2.00
DTE Electric Company  Cancels Fifth Revised Sheet No. D-2.00
(Final Order Case No. U-20162)

Issued June 4, 2019  Effective for service rendered on
D. M. Stanczak  and after May 9, 2019
Vice President
Regulatory Affairs  Issued under authority of the
Detroit, Michigan  dated May 2, 2019
in Case No. U-20162

(Continued from Sheet No. D-1.00)

**RATE SCHEDULE NO. D1** (Contd.)

Former Rate D1.3 Full Service Customers:

- **Power Supply Charges:**
  - **Capacity Energy Charges:** $3.705¢ per kWh for the first 17 kWh per day
  - $5.339¢ per kWh for excess over 17 kWh per day

- **Non-Capacity energy Charge:** $4.687¢ per kWh for all kWh

- **Delivery Charges:**
  - **Service Charge:** $7.50 per month
  - **Distribution Charge:** $6.109¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8. Applies only to actual consumption and not to the minimum charge.

**BILLING FREQUENCY:** Based on a nominal 30-day month. See Section C4.5.

**MINIMUM CHARGE:** The Service Charge plus any applicable per meter per month surcharges.

**CONTRACT TERM:** Open order, terminable on three days’ notice by either party. Where special services are required, the term will be as specified in the applicable contract rider.

**LATE PAYMENT CHARGE:** See Section C4.8.

**INTERRUPTIBLE SPACE-CONDITIONING PROVISION:** Rate D1.1 is available on an optional basis.

**WATER HEATING SERVICE:** Water heating service is available on an optional basis. See Schedule Designation No. D5.

**INCOME ASSISTANCE SERVICE PROVISION (RIA):** When service is supplied to a Principal Residence Customer, where the household receives a Home Heating Credit (HHC) in the State of Michigan, a credit shall be applied during all billing months. For an income assistance customer to qualify for this credit, the Company shall require annual evidence of the HHC energy draft or warrant. The customer may also qualify for this credit upon confirmation by an authorized State or Federal agency verifying that the customer's total household income does not exceed 150% of the poverty level as published by the United States department of health and human services or if the customer receives any of the following: i) Assistance from a state emergency relief program; ii) Food stamps or iii) Medicaid.

The monthly credit for the residential Income Assistance Service Provision shall be applied as follows:

**Delivery Charges:** These charges are applicable to Full Service and Retail Open Access customers.

- **Income Assistance Credit:** $7.50 per customer per month

(Continued on Sheet No. D-2.01)
RESIDENTIAL SERVICE SENIOR CITIZEN PROVISION: When service is supplied to a Principal Residence Customer, who is 65 years of age or older and head of household, a credit shall be applied during all billing months. The monthly credit for the Residential Service Senior Citizen Provision shall be applied as follows:

Delivery Charges: These charges are applicable to Full Service and Retail Open Access customers.
Senior Citizen Credit: $3.75 per customer per month

This credit shall not be taken in conjunction with a credit for the Income Assistance Service Provision (RIA).
RATE SCHEDULE NO. D1-A  RESIDENTIAL ADVANCED PRICING PILOT A; TIME OF USE I

AVAILABILITY OF SERVICE: This rate will be offered to 65,000 Company selected residential customers currently taking service on Rate Schedule D1 on an “opt-in” basis. Customers who are offered this rate in this manner will be able to choose whether or not to take service pursuant to this Rate Schedule. The number of customers on this rate schedule shall be limited to the first 2,500 customers who affirmatively choose to opt-in, after which additional customers shall be allowed to participate at the Company’s discretion. Any customer declining service under this rate or choosing to terminate service under this rate may not reestablish service under this rate.

This rate will also be offered to an additional 5,000 Company selected residential customers currently taking service on Rate Schedule D1 on an “opt-out” basis. Customers who are offered this rate in this manner will receive notice from Company that they have been selected to be on this rate 60 days prior to being switched to this rate. Customers will be informed that if they do not want to take service pursuant to this rate they can inform the Company of this at any time and they will not be placed on this rate. Any Customer choosing to take service pursuant this rate may at any time in the future inform the Company they would like to discontinue service under this rate and revert to their previous rate. Any customer declining service under this rate or choosing to terminate service under rate may not reestablish service under this rate.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:
Capacity Energy Charge: 4.228 cents per kWh for all kWh

Non-Capacity Energy Charge (June through September):
  6.272¢ per kWh for all On-peak kWh
  4.539¢ per kWh for all Off-peak kWh

Non-Capacity Energy Charge (October through May):
  5.023¢ per kWh for all On-peak kWh
  4.539¢ per kWh for all Off-peak kWh

  On-Peak Hours: All kWh used between 3:00PM and 7:00PM Monday through Friday.
  Off-Peak Hours: All other kWh used.

Delivery Charges:
Service Charge: $7.50 per month
Distribution Charge: 6.109¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

(Continued on Sheet No. D-3.01)

Issued October 18, 2019
D. M. Stanczak
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after April 1, 2020

Issued under authority of the
Michigan Public Service Commission
dated September 26, 2019
in Case No. U-20602
RATE SCHEDULE NO. D1-A (Contd.)  RESIDENTIAL ADVANCED PRICING PILOT A; TIME OF USE I

LATE PAYMENT CHARGE:  See Section C4.8.

MINIMUM CHARGE:  The Service Charge plus any applicable per meter per month surcharges.

CONTRACT TERM:  Customers shall contract to remain on this rate for at least three billing cycles terminable on three days’ notice after the initial three billing cycles by either party. If the Michigan Public Service Commission orders full implementation of any advanced rate structure for residential customers this pilot will terminate, unless it is approved by the Commission in the aforementioned order.

WATER HEATING SERVICE:  Water heating service is available on an optional basis.

INTERRUPTIBLE SPACE CONDITIONING PROVISION:  Rate D1.1 is available on an optional basis.
RATE SCHEDULE NO. D1-B  RESIDENTIAL ADVANCED PRICING PILOT B; TIME OF USE II

AVAILABILITY OF SERVICE: This rate will be offered to 65,000 Company selected residential customers currently taking service on Rate Schedule D1 on an “opt-in” basis. Customers who are offered this rate in this manner will be able to choose whether or not to take service pursuant to this Rate Schedule. The number of customers on the “opt-in” option of this rate schedule shall be limited to the first 2,500 customers who affirmatively chose to opt-in, after which additional customers shall be allowed to participate at the Company’s discretion. Any customer declining service under this rate or choosing to terminate service under this rate may not reestablish service under this rate.

This rate will also be offered to an additional 5,000 Company selected residential customers currently taking service on Rate Schedule D1 on an “opt-out” basis. Customers who are offered this rate in this manner will receive notice from Company that they have been selected to be on this rate 60 days prior to being switched to this rate. Customers will be informed that if they do not want to take service pursuant to this rate they can inform the Company of this at any time and they will not be placed on this rate. Any Customer choosing to take service pursuant this rate may at any time in the future inform the Company they would like to discontinue service under this rate and revert to their previous rate. Any customer declining service under this rate or choosing to terminate service under rate may not reestablish service under this rate.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire.

RATE PER MONTH:

**Full Service Customers:**

**Power Supply Charges:**

Capacity Energy Charge (June through September):
- 6.363¢ per kWh for all On-peak kWh
- 4.028¢ per kWh for all Off-peak kWh

Capacity Energy Charge (October through May):
- 4.694¢ per kWh for all On-peak kWh
- 4.028¢ per kWh for all Off-peak kWh

Non-Capacity Energy Charge (June through September):
- 7.053¢ per kWh for all On-peak kWh
- 4.465¢ per kWh for all Off-peak kWh

Non-Capacity Energy Charge (October through May):
- 5.203¢ per kWh for all On-peak kWh
- 4.465¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 3:00PM and 7:00PM Monday through Friday.

Off-Peak Hours: All other kWh used.

(Continued on Sheet No. D-3.03)
RATE SCHEDULE NO. D1-B (Contd.)  RESIDENTIAL ADVANCED PRICING PILOT B; TIME OF USE II

Delivery Charges:
Service Charge: $7.50 per month
Distribution Charge: 6.109¢ per kWh for all kWh

Surcharges and Credits:  As approved by the Commission.  See Sections C8.5 and C9.8.

LATE PAYMENT CHARGE:  See Section C4.8.

MINIMUM CHARGE:  The Service Charge plus any applicable per meter per month surcharges.

CONTRACT TERM:  “Opt-in” customers shall contract to remain on this rate for at least three billing cycles terminable on three days’ notice after the initial three billing cycles by either party.  “Opt-out” customers are open order, terminable on three days' notice by either party.  If the Michigan Public Service Commission orders full implementation of any advanced rate structure for residential customers this pilot will terminate, unless it is approved by the Commission in the aforementioned order.

WATER HEATING SERVICE:  Water heating service is available on an optional basis.

INTERRUPTIBLE SPACE CONDITIONING PROVISION:  Rate D1.1 is available on an optional basis.
RATE SCHEDULE NO. D1.1

INTERRUPTIBLE SPACE-CONDITIONING SERVICE RATE

AVAILABILITY OF SERVICE: Available on an optional basis to Residential and Commercial customers desiring separately metered interruptible service for central air conditioning and/or central heat pump use. Customers who have more than one heat pump and/or air-conditioning unit which serves their business or home, will not be permitted to have only a portion of their load on the rate, all units will be interrupted upon the signal from the Company. Installations must conform with the Company’s specifications. This rate is not available to commercial customers being billed on a demand rate.

HOURS OF SERVICE: 24 hours.

HOURS OF INTERRUPTION: Central air-conditioning and/or heat pump units only will be turned off by the Company by remote control on selected days for intervals of no longer than thirty minutes in any hour for no more than eight hours in any one day. Company interruptions may include interruptions for, but not limited to maintaining system integrity, making an emergency purchase, economic reasons, or when available system generation is insufficient to meet anticipated system load.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire. Where available, and the demand justifies, three-phase four wire, Y connected service may be had at 208Y/120 volts nominally.

In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volts, three-wire service may be taken.

RATE PER MONTH: For separately metered space-conditioning service.

Full Service Customers:

Residential Power Supply Charges:
- Capacity Energy Charge (June through October): 3.525¢ per kWh for all kWh
- Capacity Energy Charge (November through May): 0.874¢ per kWh for all kWh
- Non-Capacity Energy Charge: 3.713¢ per kWh for all kWh

Residential Delivery Charges:
- Service Charge (June through October): $1.95 per month
- Distribution Charge (Year-round): 6.109¢ per kWh for all kWh

Commercial Power Supply Charges:
- Capacity Energy Charge (June through October): 3.685¢ per kWh for all kWh
- Capacity Energy Charge (November through May): 0.885¢ per kWh for all kWh
- Non-Capacity Energy Charge: 3.996¢ per kWh for all kWh

Commercial Delivery Charges:
- Service Charge (June through October): $1.95 per month
- Distribution Charge (Year-round): 3.866¢ per kWh for all kWh

(Continued on Sheet No. D-5.00)
RATE SCHEDULE NO. D1.1 (Contd.)  INTERRUPTIBLE SPACE-CONDITIONING SERVICE RATE

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8. Applies only to actual consumption and not to the minimum charge.

Retail Access Service Customers:

Residential Power Supply Charges for Retail Access Customers taking Utility Capacity Service from DTE:
- Capacity Energy Charge (June through October): 3.525¢ per kWh for all kWh
- Capacity Energy Charge (November through May): 0.874¢ per kWh for all kWh

Residential Delivery Charges:
- Capacity Service Charge June through October: $1.95 per month
- Capacity Distribution Charge (Year-round): 6.109¢ per kWh for all kWh

Commercial Power Supply Charges for Retail Access Customers taking Utility Capacity Service from DTE:
- Capacity Energy Charge (June through October): 3.685¢ per kWh for all kWh
- Capacity Energy Charge (November through May): 0.885¢ per kWh for all kWh

Commercial Delivery Charges:
- Service Charge June through October: $1.95 per month
- Distribution Charge (Year-round): 3.866¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Section C9.8. Applies only to actual consumption and not to the minimum charge. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge plus any applicable per meter per month surcharges.

CONTRACT TERM: Open order, terminable on three days' written notice by either party. Where special services are required, the term will be as specified in the applicable contract rider.
RATE SCHEDULE NO. D1.2  RESIDENTIAL TIME-OF-DAY SERVICE RATE

AVAILABILITY OF SERVICE: Available on an optional basis to customers who desire time of day service for their residential dwelling. Customers who select this rate must qualify for the Residential Service Rate D1.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire.

RATE PER MONTH:

Full Service Customers:

**Power Supply Charges:**
- Capacity Energy Charge (June through October):
  - $12.375¢ per kWh for all On-peak kWh
  - $1.145¢ per kWh for all Off-peak kWh
- Capacity Energy Charge (November through May):
  - $9.747¢ per kWh for all On-peak kWh
  - $0.922¢ per kWh for all Off-peak kWh
- On-Peak Hours: All kWh used between 1100 and 1900 hours Monday through Friday.
- Off-Peak Hours: All other kWh used.

**Non-Capacity Energy Charge**: $4.554¢ per kWh for all kWh

**Delivery Charges:**
- Service Charge: $7.50 per month
- Distribution Charge: $6.109¢ per kWh for all kWh

**Surcharges and Credits**: As approved by the Commission. See Sections C8.5 and C9.8.

Retail Access Service Customers:

Power Supply Charges for Retail Access Customers taking Utility Capacity Service from DTE:
- Capacity Energy Charge (June through October):
  - $12.375¢ per kWh for all On-peak kWh
  - $1.145¢ per kWh for all Off-peak kWh
- Capacity Energy Charge (November through May):
  - $9.747¢ per kWh for all On-peak kWh
  - $0.922¢ per kWh for all Off-peak kWh
- On-Peak Hours: all kWh used between 1100 and 1900 hours Monday through Friday.
- Off-Peak Hours: all other kWh used.

(Continued on Sheet No. D-7.00)
RATE SCHEDULE NO. D1.2 (Contd.)

RESIDENTIAL TIME-OF-DAY SERVICE RATE

Delivery Charges:
Service Charge: $7.50 per month
Distribution Charge: 6.109¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Section C9.8. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C5.8.

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge plus any applicable per meter per month surcharges.

CONTRACT TERM: Commencing upon installation of the Time-of-Day meter, service will be provided for twelve continuous months thereafter, with termination upon mutual consent of the Company and the customer.

WATER HEATING SERVICE: Water heating service is available on an optional basis.

INTERRUPTIBLE SPACE CONDITIONING PROVISION: Rate D1.1 is available on an optional basis.
Rate Schedules D1.3, D1.4 and D1.5 have been terminated
RATE SCHEDULE NO. D1.6 RESIDENTIAL SERVICE SPECIAL LOW INCOME PILOT RATE

AVAILABILITY OF SERVICE: Customers who select this pilot rate must qualify for the Residential Service rate D1. To qualify for this pilot rate a customer must also provide annual evidence of receiving a Home Heating Credit (HHC) energy draft or warrant, or must provide confirmation by an authorized State or Federal agency verifying that the customer's total household income does not exceed 150% of the poverty level as published by the United States department of health and human services or if the customer receives any of the following: i) Assistance from a state emergency relief program; ii) Food stamps or iii) Medicaid. Service under this rate shall be limited to an annual average of 32,000 customers.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire. Where available, and the demand justifies, three-phase four-wire, Y connected service may be had at 208Y/120 volts nominally.

In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volts, three-wire service may be taken.

RATE PER DAY:

Full Service Customers:

Power Supply Charges:
Capacity Energy Charges: 3.705¢ per kWh for the first 17 kWh per day
5.339¢ per kWh for excess over 17 kWh per day

Non-Capacity Energy Charge: 4.687¢ per kWh for all kWh per day

Delivery Charges:
Service Charge: $7.50 per month
Distribution Charge: 6.109¢ per kWh for all kWh
Special Low Income Discount: ($40.00) per month

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8. Applies only to actual consumption and not to the minimum charge.

Retail Access Service Customers:

Residential Power Supply Charges for Retail access Customers taking Utility Capacity Service from DTE:

Capacity Energy Charges: 3.705¢ per kWh for first 17 kWh per day
5.339¢ per kWh for excess over 17 kWh per day

(Continued on Sheet No. D-12.02)
RATE SCHEDULE NO. D1.6 (Contd.) RESIDENTIAL SERVICE SPECIAL LOW INCOME PILOT RATE

Delivery Charges:

Service Charge: $7.50 per month
Distribution Charge: 6.109¢ per kWh for all kWh
Special Low Income Discount: ($40.00) per month

Surcharges and Credits: As approved by the Commission. See Section C9.8. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

BILLING FREQUENCY: Based on a nominal 30-day month. See Section C4.5.

CONTRACT TERM: Open order, terminable on three days' notice by either party. If a customer fails to make the required payment on time for three consecutive billing periods that customer shall automatically be removed from this rate. Where special services are required, the term will be as specified in the applicable contract rider.

LATE PAYMENT CHARGE: See Section C4.8.

INTERRUPTIBLE SPACE-CONDITIONING PROVISION: Rate D1.1 is available on an optional basis.

WATER HEATING SERVICE: Water heating service is available on an optional basis. See Schedule Designation No. D5.
RATE SCHEDULE NO. D1.7  

GEOTHERMAL TIME-OF-DAY RATE

AVAILABILITY OF SERVICE: Available on an optional basis to residential customers desiring separately metered service for approved geothermal space conditioning and/or water heating. To qualify for the rate the water heater must be for sanitary purposes with the tank size, design and method of installation approved by the company. The space conditioning equipment must be permanently installed.

HOURS OF SERVICE: 24 Hours

CURRENT, PHASE AND VOLTAGE: Same as D1 and D3 Rates

CONTRACT TERM: The customer shall contract to remain on this rate for at least 12 months terminable on three days notice after the initial 12 months by either party. Where special services are required, the term will be specified on the applicable contract rider.

INSULATION STANDARDS FOR ELECTRIC HEATING: See Section C4.9.

MINIMUM CHARGE: The Service Charge plus any applicable per meter per month surcharges.

LATE PAYMENT CHARGE: See Section C4.8.

RATE PER DAY:

Full Service Customers:

Residential Power Supply Charges:
Capacity Energy Charge (June through September):
10.671¢ per kWh for all On-peak kWh
1.694¢ per kWh for all Off-peak kWh

Capacity Energy Charge (October through May):
3.048¢ per kWh for all On-peak kWh
1.805¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1100 and 1900 hours Monday through Friday.
Off-Peak Hours: All other kWh used.

Non-Capacity Energy Charge: 2.751¢ per kWh for all kWh

Residential Delivery Charges:
Service Charge: 6.70¢ per day
Distribution Charge: 5.644¢ per kWh for all kWh

(Continued on Sheet No. D-13.01)
RATE SCHEDULE NO. D1.7 (Contd.)

GEOTHERMAL TIME-OF-DAY RATE

**Commercial Power Supply Charges:**
Capacity Energy Charge (June through September):
- 2.916¢ per kWh for all On-peak kWh
- 1.516¢ per kWh for all Off-peak kWh

Capacity Energy Charge (October through May):
- 1.866¢ per kWh for all On-peak kWh
- 1.866¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1100 and 1900 hours Monday through Friday.
Off-Peak Hours: All other kWh used.

Non-Capacity energy Charge: 2.654¢ per kWh for all kWh

**Commercial Delivery Charges:**
- Service Charge: 6.70¢ per day
- Distribution Charge: 2.565¢ per kWh for all kWh

**Surcharges and Credits:** As approved by the Commission. See Sections C8.5 and C9.8.

**Retail Access Service Customers:**

Residential Power Supply Charges for Retail Access Customers taking Utility Capacity Service from DTE:
Capacity Energy Charge (June through September):
- 10.671¢ per kWh for all On-peak kWh
- 1.694¢ per kWh for all Off-peak kWh

Capacity Energy Charge (October through May):
- 3.048¢ per kWh for all On-peak kWh
- 1.805¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1100 and 1900 hours Monday through Friday.
Off-Peak Hours: All other kWh used.

Residential Delivery Charges:
- Service Charge: 6.70¢ per day
- Distribution Charge: 5.644¢ per kWh for all kWh

Commercial Power Supply Charges for Retail Access Customers taking Utility Capacity Service from DTE:
Capacity Energy Charge (June through September):
- 2.916¢ per kWh for all On-peak kWh
- 1.516¢ per kWh for all Off-peak kWh

(Continued on Sheet No. D-13.02)
(Continued from Sheet No. D-13.01)

RATE SCHEDULE NO. D1.7 (Contd.)

GEOTHERMAL TIME-OF-DAY RATE

Capacity Energy Charge (October through May):
- 1.866¢ per kWh for all On-peak kWh
- 1.866¢ per kWh for all Off-peak kWh

Commercial Delivery Charges:
- Service Charge: 6.70¢ per day
- Distribution Charge: 2.565¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Section C9.8. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the commission. See Section C5.8.
RATE SCHEDULE NO. D1.8

DYNAMIC PEAK PRICING RATE

AVAILABILITY OF SERVICE: Available on an optional basis to full-service residential and secondary commercial and industrial customers seeking to manage their electric costs by either reducing load during high cost pricing periods or shifting load from high cost pricing periods to lower cost pricing periods. Service under this rate is limited to a residential customers and secondary commercial and industrial customers who have Advanced Metering Infrastructure installed. Service under this rate may not be combined with any other tariff, rider, or separately metered service.

The rate features three price tiers for On-Peak, Mid-Peak, and Off-Peak, as well as Critical Peak prices for days where Critical Hours are announced.

Definitions:

On-Peak Hours: All kWh used between 3P.M. and 7P.M. Monday through Friday, excluding holidays
Mid-Peak Hours: All kWh used between 7A.M. and 3P.M., and between 7P.M. and 11P.M., Monday through Friday excluding holidays
Off-Peak Hours: All kWh used between 11 P.M and 7 A.M. Monday through Friday, and all weekend and holiday hours.
Critical-Peak Hours: All kWh used during critical hours, which, when announced, will replace the full on-peak time period from 3 P.M. to 7 P.M.

The Company expects to implement Critical Peak pricing for no more than 56 hours per year, for evaluation of the tariff based on several factors including but not limited to economics, system demand or capacity deficiency.

Customers will be notified by 6 P.M. the day before critical hours are expected to occur. Notification will be made by one or more of the following methods: automated telephone message, text message, e-mail, or presentment on an in-premise display unit furnished by the Company. Receipt of such notice is the responsibility of the participating customer.

Customers who qualify and sign up for this rate agree to participate in evaluation surveys and will remain anonymous on all such surveys.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire; or three-phase four-wire, Y connected at 208Y/120 volts; or under certain conditions three-phase four-wire, Y connected at 480Y/277 volts.

In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volt, single-phase three-wire; or 208Y/120 volts, three-phase four wire service may be taken.

(Continued on Sheet No. D-14.01)
RATE SCHEDULE NO. D1.8 (Contd.)

DYNAMIC PEAK PRICING RATE

CHARGES:

Full Service Residential Customers:
Power Supply Charges:
  Capacity Energy Charges: 10.900¢ per kWh for all On-Peak kWh
  4.724¢ per kWh for all Mid-Peak kWh
  1.019¢ per kWh for all Off-Peak kWh
  $0.91078 per kWh for all kWh during Critical Peak Hours

  Non-Capacity Energy Charge: 3.922¢ per kWh for all kWh

Delivery Charges:
  Service Charge: $7.50 per month
  Distribution Charge: 6.109¢ per kWh for all kWh

Full Service Secondary Commercial and Industrial Customers:
Power Supply Charges:
  Capacity Energy Charges: 10.139¢ per kWh for all On-Peak kWh
  4.139¢ per kWh for all Mid-Peak kWh
  0.639¢ per kWh for all Off-Peak kWh
  $0.85696 per kWh for all kWh during Critical Peak Hours

  Non-Capacity Energy Charge: 4.373¢ per kWh for all kWh

Delivery Charges:
  Service Charge: $11.25 per month
  Distribution Charge: 3.866¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

MINIMUM CHARGE: The Service Charge plus any applicable per meter per month surcharges.

SCHEDULE OF HOLIDAYS: See Section C11

CONTRACT TERM: The customer shall contract to remain on this rate for at least 12 months terminable on three days’ notice after the initial 12 months by either party.

LATE PAYMENT CHARGE: See Section C4.8.
HOLD FOR FUTURE USE

Issued May 22, 2018
D. M. Stanczak
Vice President
Regulatory Affairs

Effective for service rendered on and after May 1, 2018

Detroit, Michigan

Issued under authority of the Michigan Public Service Commission dated April 21, 2018 in Case No. U-18255
RATE SCHEDULE NO. D1.9 | ELECTRIC VEHICLE RATE

**AVAILABILITY OF SERVICE:** Available on an optional basis to residential and commercial customers desiring separately metered service for the sole purpose of charging licensed electric vehicles. Installations must conform to the Company’s specifications. Service under this tariff is limited to 5,000 customers. Service on this rate is limited to electric vehicles that are SAE J1772 compliant, and all vehicles shall be registered and operable on public highways in the State of Michigan to qualify for this rate. Low-speed electric vehicles including golf carts are not eligible to take service under this rate even if licensed to operate on public streets. The customer may be required to provide proof of registration of the electric vehicle to qualify for the program.

**HOURS OF SERVICE:** 24 Hours

**CURRENT, PHASE AND VOLTAGE:** Alternating current, single-phase, nominally at 120/240 volts, three wire. In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volts, three-wire service may be taken

**CONTRACT TERM:** Open order, terminable on three days’ notice by either party. Where special services are required, the term will be as specified on the applicable contract rider.

**MINIMUM CHARGE:** The Service Charge plus any applicable per meter per month surcharges.

**LATE PAYMENT CHARGE:** See Section C4.8.

**OPTION 1: TIME OF DAY PRICING**

**Full Service Customers:**

Power Supply Charges:

- Capacity Energy Charge:
  - 8.023¢ per kWh for all On-peak kWh
  - 2.006¢ per kWh for all Off-peak kWh
- Non-Capacity Energy Charge:
  - 8.895¢ per kWh for all On-peak kWh
  - 2.223¢ per kWh for all Off-peak kWh
- On-Peak Hours: All kWh used between 9 am and 11 pm Monday through Friday.
- Off-Peak Hours: All other kWh used.

Delivery Charges:

- Service Charge: $1.95 per month
- Distribution Charge: 6.109¢ per kWh for all kWh

**Surcharges and Credits:** As approved by the Commission. See Sections C8.5 and C9.8.

**Retail Access Service Customers:**

Power Supply Charges for Retail Access Customers taking Utility Capacity Service from DTE:

- Capacity Energy Charge:
  - 8.023¢ per kWh for all On-peak kWh
  - 2.006¢ per kWh for all Off-peak kWh

(Continued on Sheet No. D-14.04)
RATE SCHEDULE NO. D1.9 (Contd.)

ELECTRIC VEHICLE RATE

Retail Access Service Customer (Contd.):

On-Peak Hours: All kWh used between 9 am and 11 pm Monday through Friday.
Off-Peak Hours: All other kWh used.

Delivery Charges:
Service Charge: $1.95 per month
Distribution Charge: 6.109¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See C8.5.

OPTION 2: MONTHLY FLAT FEE (Residential only):
Closed to new customers as of May 31, 2019. Existing customers will be moved to a new rate by December 31, 2019.
Monthly Fee: $48.34 per month per vehicle.

Surcharges and Credits: Included in monthly flat fee.

The monthly flat-fee option shall be limited to 250 customers.

SPECIAL TERMS AND CONDITIONS:

Service under this rate must be supplied through a separately metered circuit and approved electric vehicle charging equipment. Installations must conform with the Company’s specifications.

The Company is exploring additional possible metering options to be offered at the Company’s discretion. This includes but is not limited to, collecting data directly from charging stations and/or utilizing technology beyond the general service meter to measure EV usage.
RATE SCHEDULE NO. D2

RESIDENTIAL SPACE HEATING RATE

AVAILABILITY OF SERVICE: Available on an optional basis to customers desiring service for all residential purposes to a single or double occupancy dwelling unit including farm dwellings. All of the space heating must be total electric installed on a permanent basis and served through one meter. This rate also available to customers with add-on heat pumps and fossil fuel furnaces served on this rate prior to July 16, 1985. The design and method of installation and control of equipment as adopted to this service are subject to approval by the Company. This rate is also available to customers with electric heat assisted with a renewable heat source.

This rate is available only to dwellings being served on this rate prior to December 17, 2015.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire. Where available, and the demand justifies, three-phase four-wire, Y connected service may be had at 208Y/120 volts nominally. In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volt three-wire service may be taken.

RATE PER DAY:

Full Service Customers:

Power Supply Charges:
Capacity Energy Charges: (June through October): 3.798¢ per kWh for the first 17 kWh per day 5.432¢ per kWh for over 17 kWh per day

Capacity Energy Charges: (November through May): 2.241¢ per kWh for the first 20 kWh per day 0.875¢ per kWh for over 20 kWh per day

Non-Capacity energy Charge: 4.594¢ per kWh for all kWh

Delivery Charges:
Service Charge: $7.50 per month
Distribution Charge: (June through October): 6.109¢ per kWh for all kWh
Distribution Charge: (November through May): 6.109¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8. Applies only to actual consumption and not to the minimum charge

Retail Access Service customers:

Power Supply Charges for Retail Access Customers taking Utility Capacity Service from DTE:
Capacity Energy Charges: (June through October): 3.798¢ per kWh for the first 17 kWh per day 5.432¢ per kWh for over 17 kWh per day

Capacity Energy Charges: (November through May): 2.241¢ per kWh for the first 20 kWh per day 0.875¢ per kWh for over 20 kWh per day

(Continued on Sheet No. D-16.00)
RATE SCHEDULE NO. D2 (Contd.)

**RESIDENTIAL SPACE HEATING RATE**

<table>
<thead>
<tr>
<th>Delivery Charges:</th>
<th>RESIDENTIAL SPACE HEATING RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Charge</td>
<td>$7.50 per month</td>
</tr>
<tr>
<td>Distribution Charge: (June through October):</td>
<td>6.109¢ per kWh for all kWh</td>
</tr>
<tr>
<td>Distribution Charge: (November through May):</td>
<td>6.109¢ per kWh for all kWh</td>
</tr>
</tbody>
</table>

**Surcharges and Credits:** As approved by the Commission. See Section C9.8. Applies only to actual consumption and not to the minimum charge. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

**BILLING FREQUENCY:** Based on a nominal 30-day month. See Section C4.5.

**MINIMUM CHARGE:** The Service Charge plus any applicable per meter per month surcharges.

**CONTRACT TERM:** Open order, terminable on three days’ notice by either party. Where special services are required, the term will be as specified in the applicable contract rider.

**WATER HEATING SERVICE:** Water heating service is available on an optional basis. See Schedule Designation No. D5.

**LATE PAYMENT CHARGE:** See Section C4.8.

**INTERRUPTIBLE SPACE-CONDITIONING PROVISION:** Rate D1.1 is available on an optional basis.

**INSULATION STANDARDS FOR ELECTRIC HEATING:** See Section C4.9.
HOLD FOR FUTURE USE
RATE SCHEDULE NO. D3

GENERAL SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers desiring service for any purpose, except that this rate is not available for service in conjunction with the Large General Service Rate. At the Company's option, service may be available to loads in excess of 1000 kW for situations where significant modifications to service facilities are not required to serve the excess load. The 1000 kW discretionary demand restriction does not apply to service provided to Electric Vehicle Fast-Charging Stations until June 1, 2024. Effective May 27, 1981, this rate is not available to customers desiring service through one meter for residential purposes to a single or double occupancy dwelling unit.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire; or three-phase four-wire, Y connected at 208Y/120 volts; or under certain conditions three-phase four-wire, Y connected at 480Y/277 volts.

In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volts, single-phase three-wire; or 208Y/120 volts, three-phase four-wire service may be taken.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:
- Capacity Energy Charge: 3.297¢ per kWh for all kWh
- Non-Capacity Energy Charge: 4.640¢ per kWh for all kWh

Delivery Charges:
- Service Charge: $11.25 per month
- Distribution Charge: 3.866¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

Retail Access Service Customers:

Power Supply Charges for Retail Access Service Customers taking Utility Capacity Service from DTE:
- Capacity Energy Charge: 3.297¢ per kWh for all kWh

Delivery Charges:
- Service Charge: $11.25 per month
- Distribution Charge: 3.866¢ per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Section C9.8. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge plus any applicable per meter per month surcharges.

(Continued on Sheet No. D-19.00)
(Continued from Sheet No. D-18.00)

RATE SCHEDULE NO. D3 (Contd.)

GENERAL SERVICE RATE

CONTRACT TERM: Open order, terminable on three days' written notice by either party. Where special services are required, or where the investment to serve is out of proportion to the revenue derived therefrom, the term will be as specified in the applicable contract rider.

WATER HEATING SERVICE: Water heating service is available on an optional basis. See Schedule Designation No. D5.

INTERRUPTIBLE SPACE-CONDITIONING PROVISION: Rate D1.1 is available for commercial space-conditioning use. This provision is applicable to central air-conditioning and heat pump use. All other provisions of D3 shall apply.
RATE SCHEDULE NO. D3.1  UNMETERED GENERAL SERVICE RATE

AVAILABILITY OF SERVICE: Available at the option of the Company to customers for loads that can be readily calculated and are impractical to meter.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire; or three-phase four-wire, Y connected at 208Y/120 volts; or under certain conditions three-phase four-wire, Y connected at 480Y/277 volts.

In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volts, three-wire; or 208Y/120 volts, three-phase four-wire service may be taken.

SERVICE CONNECTIONS: The customer is to furnish and maintain all necessary wiring and equipment, or reimburse the Company therefore. Connections are to be brought to the Company's underground or overhead lines by the customer as directed by the Company, and the final connections to the Company's line are to be made by the Company.

Conversion and/or relocation of existing facilities must be paid for by the customer, except when initiated by the Company. The detailed provisions and schedule of such charges will be quoted upon request.

RATE: Capacity charge of 2.822¢ and non-capacity charge of 7.837¢ both applied per month per kilowatthour of the total connected load in service for each customer. Loads operated cyclically will be prorated. This rate is based on 350 hours per month. Proration of cyclical loads will not apply when hours of operation are within 10% of base. Proration may either increase or decrease connected load.

The Company may, at its option, install meters and apply a standard metered rate schedule applicable to the service.

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: $3.00 per month.

CONTRACT TERM: Open order on a month-to-month basis.
## RATE SCHEDULE NO. D3.2  SECONDARY EDUCATIONAL INSTITUTION RATE

### AVAILABILITY OF SERVICE:
Available to Educational Institution (school, college, university) customer locations desiring service at secondary voltage. School shall mean buildings, facilities, playing fields, or property directly or indirectly used for school purposes for children in grades kindergarten through twelve, when provided by a public or nonpublic school. School does not include instruction provided in a private residence or proprietary trade, vocational training, or occupational school. “College” or “University” shall mean buildings owned by the same customer which are located on the same campus and which constitute an integral part of such college or university facilities.

### HOURS OF SERVICE:
24 hours.

### CURRENT, PHASE AND VOLTAGE:
Alternating current, single-phase, nominally at 120/240 volts, three-wire; or three-phase four-wire, Y connected at 208Y/120 volts; or under certain conditions three-phase four-wire, Y connected at 480Y/277 volts.

In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volts, single-phase three-wire; or 208Y/120 volts, three-phase four-wire service may be taken.

### RATE PER MONTH:

#### Full Service Customers:
- **Power Supply Charges:**
  - Capacity Energy Charge: 2.300¢ per kWh for all kWh
  - Non-Capacity Energy Charge: 4.587¢ per kWh for all kWh

- **Delivery Charges:**
  - Service Charge: $11.25 per month
  - Distribution Charge: 3.108¢ per kWh for all kWh

- **Surcharges and Credits:** As approved by the Commission. See Sections C8.5 and C9.8.

#### Retail Access Service Customers:
- **Power Supply Charges for Retail Access Service Customers taking Utility Capacity Service from DTE:**
  - Capacity Energy Charge: 2.300¢ per kWh for all kWh

- **Delivery Charges:**
  - Service Charge: $11.25 per month
  - Distribution Charge: 3.108¢ per kWh for all kWh

- **Surcharges and Credits:** As approved by the Commission. See Section C9.8. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the approved commission. See section C8.5.

### LATE PAYMENT CHARGE:
See Section C4.9.

### MINIMUM CHARGE:
The Service Charge plus any applicable per meter per month surcharges.

(Continued on Sheet No. D-20.02)
RATE SCHEDULE NO. D3.2 (Contd.)  SECONDARY EDUCATIONAL INSTITUTION RATE

CONTRACT TERM: Open order, terminable on three days' written notice by either party. Where special services are required or where the investment to serve is out of proportion to the revenue derived therefrom, the term will be as specified in the applicable contract rider.

WATER HEATING SERVICE: Water heating service is available on an optional basis. See Schedule Designation No. D5.

INTERRUPTIBLE SPACE-CONDITIONING PROVISION: Rate D1.1 is available for commercial space-conditioning use. This provision is applicable to central air-conditioning and heat pump use. All other provisions of D3 shall apply.
RATE SCHEDULE NO. D3.3

INTERRUPTIBLE GENERAL SERVICE RATE

AVAILABILITY OF SERVICE: Available to no more than 300 customers desiring interruptible service in conjunction with service taken under the general service rate. Service to interruptible load shall be taken through separately metered circuits and permanently wired. The design and method of installation for application of this rate shall be subject to the approval of the Company. Service to interruptible load may not be transferred to firm service circuits to avoid interruption. At the Company’s option, in lieu of the requirement for separately metered circuits and associated interrupted equipment the customer may elect to have interval demand metering installed in order to monitor compliance when called to interrupt load. Customers electing this option will pay a $25.00 per month service charge instead of the normal $11.25 per month service charge. This rate is not available for loads that are primarily off-peak, such as outdoor lighting.

HOURS OF SERVICE: 24 hours except as described below.

HOURS OF INTERRUPTION: All electric power delivered hereunder shall be subject to interruption by the Company, by remote control signal. Company interruptions may include interruptions for, but not limited to, maintaining system integrity, making an emergency purchase, economic reasons, or when available system generation is insufficient to meet anticipated system load.

NON-INTERRUPTION PENALTY: A customer who does not interrupt within one hour following a system integrity interruption order shall be billed at the rate of $50 per kW for the highest 30-minute kW demand created during the interruption period for all usage above the customer’s firm demand, in addition to the prescribed monthly rate. In addition, the interruptible contract capacity of a customer who does not interrupt within one hour following notice shall be immediately reduced by the amount by which the customer failed to interrupt, unless the customer demonstrates that failure to interrupt was beyond its control.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire; or three-phase four-wire, Y connected at 208Y/120 volts; or under certain conditions three-phase four-wire, Y connected at 480Y/277 volts.

In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volts, single-phase three-wire; or 208Y/120 volts, three-phase four-wire service may be taken.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:
- Capacity Energy Charge: 2.755¢ per kWh for all kWh
- Non-Capacity Energy Charge: 3.876¢ per kWh for all kWh

Delivery Charges:
- Service Charge: $11.25 per month
- Distribution Charge: 3.866¢ per kWh for all kWh

(Continued on Sheet No. D-22.00)
RATE SCHEDULE NO. D3.3 (Contd.)

<table>
<thead>
<tr>
<th><strong>INTERRUPTIBLE GENERAL SERVICE RATE</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Surcharges and Credits:</strong> As approved by the Commission. See Sections C8.5 and C9.8.</td>
</tr>
</tbody>
</table>

**Retail Access Service Customers:**

Power Supply Charges for Retail Access Service Customers taking Utility Capacity Service from DTE:
- Capacity Energy Charge: 2.755¢ per kWh for all kWh

**Delivery Charges:**
- Service Charge: $11.25 per month
- Distribution Charge: 3.866¢ per kWh for all kWh

**Surcharges and Credits:** As approved by the Commission. See Section C9.8. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the commission. See Section C8.5.

**LATE PAYMENT CHARGE:** See Section C4.8.

**MINIMUM CHARGE:** The Service Charge plus any applicable per meter per month surcharges.

**CONTRACT TERM:** Open order, terminable on three days' written notice by either party. However, where special services are required or where the investment to serve is out of proportion to the revenue derived there from, the contract term will be as specified in the applicable contract rider or Extension of Service Agreement.
HOLD FOR FUTURE USE
RATE SCHEDULE NO. D4

LARGE GENERAL SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers desiring service for any purpose, except that this rate is not available for service in conjunction with the General Service Rate.

Effective May 27, 1981, this rate is not available to customers desiring service through one meter for residential purposes to a single or double occupancy dwelling unit.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 120/240 volts, three-wire; or three-phase four-wire, Y connected at 208Y/120 volts; or under certain conditions three-phase four-wire, Y connected at 480Y/277 volts.

In certain city districts, alternating current is supplied from a Y connected secondary network from which 120/208 volts, single-phase three-wire; or 208Y/120 volts, three-phase four-wire service may be taken.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:
Capacity Demand Charge: $11.56 per kW applied to the Monthly Billing Demand
Non-Capacity Demand Charges: $3.07 per kW applied to the Monthly Billing Demand
Non-Capacity Energy Charges: 4.38¢ per kWh for the first 200 kWh per kW of billing demand
3.38¢ per kWh for the excess

Delivery Charges:
Service Charge: $13.67 per month
Distribution Demand Charge: $14.25 per kW applied to the Monthly Billing Demand

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

Retail Access Service Customers:

Power Supply Charges for Retail Access Service Customers taking Utility Capacity Service from DTE:
Capacity Demand Charge: $11.56 per kW applied to the Monthly Billing Demand

Delivery Charges:
Service Charge: $13.67 per month
Distribution Demand Charge: $14.25 per kW applied to the Monthly Billing Demand

(Continued on Sheet No. D-25.00)
RATE SCHEDULE NO. D4 (Contd.)

LARGE GENERAL SERVICE RATE

Surcharges and Credits: As approved by the Commission. See Section C9.8. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: All applicable demand charges plus the service charge and any applicable per meter per month surcharge.

MONTHLY BILLING DEMAND: Is the greatest of the following:

(a) The highest single reading of the demand meter during the billing period.
(b) 5 kW.
(c) 65% of the highest metered billing demand occurring during the billing months of June through October established during the preceding eleven billing months.

Demand readings shall be rounded to the nearest whole integer.

For customers who guarantee a minimum billing demand of 100 kW, the monthly billing demand in part (a) above shall be the highest 30-minute reading of the demand meter during on-peak hours. (See Section C11), Schedule of on-peak hours.) If the highest 30-minute demand occurs during off-peak hours, then the monthly billing demand shall be the on-peak demand plus one-third of the difference between the on-peak and off-peak maximum demands occurring during the same period.

CONTRACT TERM: Open order, terminable on three days' written notice by either party. Where special services are required, or where the investment to serve is out of proportion to the revenue obtainable therefrom, the term will be as specified in the applicable contract rider.

WATER HEATING SERVICE: Water heating service is available on a separate meter basis.
RATE SCHEDULE NO. D5  WATER HEATING SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers using hot water for sanitary purposes (other uses subject to the approval of the Company) and taking service under Residential and General Service Rate Schedules. This rate is also available to customers with solar assisted hot water heaters. Company approved waste heat reclamation systems and heat pump water heaters when used in conjunction with an approved electric water heater are also acceptable for use.

Available to customers who desire controlled water heating service to all of the heating elements of electric water heaters, the design and method of installation of which are approved by the Company as adapted to this service, taken through a separately metered circuit to which no other load except water heating may be connected.

HOURS OF SERVICE: The daily use of all controlled water heating service will be controlled by a timer or other monitoring device. Control of service shall not exceed 4 hours per day, said hours to be established from time to time by the Company.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, nominally at 240 volts, three-wire, except that, in certain city districts, alternating current service at 208 volts, nominal, three-wire, or three-phase at the option of the Company.

RATE PER MONTH:

Full Service Customers:

<table>
<thead>
<tr>
<th></th>
<th>Residential Power Supply Charges:</th>
<th>Commercial Power Supply Charges:</th>
<th>Commercial Delivery Charges:</th>
<th>Retail Access Service Customers:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Residential Delivery Charges:</td>
<td></td>
<td></td>
<td>Residential Power Supply Charges for Retail Access Service Customers taking Utility Capacity Service from DTE:</td>
</tr>
<tr>
<td></td>
<td>Service Charge: $1.95 per month</td>
<td></td>
<td></td>
<td>Capacity Energy Charge: $2.266¢ per kWh for all kWh</td>
</tr>
<tr>
<td></td>
<td>Distribution Charge: 6.109¢ per kWh for all kWh</td>
<td></td>
<td>Distribution Charge: 2.991¢ per kWh for all kWh</td>
<td></td>
</tr>
</tbody>
</table>
RATE SCHEDULE NO. D5 (Contd.)

WATER HEATING SERVICE RATE

**Retail Access Service Customers (contd):**
Residential Power Supply Charges for Retail Access Service Customers taking Utility Capacity Service from DTE (contd):

  - Residential Delivery Charges:
    - Service Charge: $1.95 per month
    - Distribution Charge: 6.109¢ per kWh for all kWh

  - Commercial Power Supply Charges for Retail Access Service Customers taking Utility Capacity Service from DTE:
    - Capacity Energy Charge: 1.941¢ per kWh for all kWh
    - Commercial Delivery Charges:
      - Service Charge: $1.95 per month
      - Distribution Charge: 2.991¢ per kWh for all kWh

**SURCHARGES AND CREDITS:** As approved by the Commission. Power Supply Charges are subject to Section C8.5. Delivery Charges are subject to Section C9.8. Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. see Section C8.5.

**CONTRACT TERM:** Open order, terminable or three days’ notice by either party. Where special services are required, the term will be as specified in the applicable contract rider.

**LATE PAYMENT CHARGE:** See Section C4.8.

**MINIMUM CHARGE:** The Service Charge plus any applicable per meter per month surcharges.

**WATER HEATER REQUIREMENTS FOR WATER HEATER RATE APPLICATION:**

<table>
<thead>
<tr>
<th>Rate Option</th>
<th>Minimum Tank Capacity*</th>
<th>Maximum Total Connected Load**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Residential</strong></td>
<td>30 gallons</td>
<td>5.5 kW</td>
</tr>
<tr>
<td><strong>Commercial</strong></td>
<td>2 gallons per kW of total connected load 40 gallon minimum</td>
<td>Controlled by minimum tank capacity requirements</td>
</tr>
</tbody>
</table>

*No limitation to number of tanks

**Single or multi-element**

Issued June 4, 2019
D. M. Stanczak
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on and after May 9, 2019

Michigan Public Service Commission

July 1, 2019

Filed DBR

Issued under authority of the Michigan Public Service Commission dated May 2, 2019 in Case No. U-20162
HOLD FOR FUTURE USE

Issued January 8, 2016
D. M. Stanczak
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on and after December 17, 2015
Issued under authority of the Michigan Public Service Commission
dated December 11, 2015 in Case No. U-17767
RATE SCHEDULE NO. D6.2  PRIMARY EDUCATIONAL INSTITUTION RATE

AVAILABILITY OF SERVICE: Available to Educational Institution (school, college, university) customer locations desiring service at primary, sub-transmission, or transmission voltage who contract for a specified capacity of not less than 50 kilowatts at a single location. School shall mean buildings, facilities, playing fields, or property directly or indirectly used for school purposes for children in grades kindergarten through twelve, when provided by a public or nonpublic school. School does not include instruction provided in a private residence or proprietary trade, vocational training, or occupational school. “College” or “University” shall mean buildings owned by the same customer which are located on the same campus and which constitute an integral part of such college or university facilities.

HOURS OF SERVICE: 24 hours, subject to interruption by agreement, or by advance notice.

CURRENT, PHASE AND VOLTAGE: Alternating current, three-phase, nominally at 4,800, 13,200, 24,000, 41,570 or 120,000 volts at the option of the Company.

 CONTRACT CAPACITY: Customers shall contract for a specified capacity in kilowatts sufficient to meet normal maximum requirements but not less than 50 kilowatts. The Company undertakes to provide the necessary facilities for a supply of electric power from its primary distribution system at the contract capacity. Any single reading of the demand meter in any month that exceeds the contract capacity then in effect shall become the new contract capacity. The contract capacity for customers served at more than one voltage level shall be the sum of the contract capacities established for each voltage level.

RATE PER MONTH:
Full Service Customers:

Power Supply Charges:
Capacity
Demand Charge: $13.11 per kW of on-peak billing demand

Voltage Level Discount:
$0.82 per kW at transmission level
$0.55 per kW at subtransmission level

Non-Capacity
Energy Charges:
4.826¢ per kWh for all on-peak kWh
4.526¢ per kWh for all off-peak kWh

Voltage Level Discount:
0.258¢ per kWh at transmission level
0.153¢ per kWh at subtransmission level

Delivery Charges:
Primary Service Charge: $53.52 per month
Subtransmission and Transmission Service Charge: $375 per month
Distribution Charges:
For primary service (less than 24 kV) $4.07 per kW of maximum demand.
For service at subtransmission voltage (24 to 41.6 kV) $1.46 per kW of maximum demand.
For service at transmission voltage (120 kV and above) $0.65 per kW of maximum demand.

(Continued on Sheet No. D-36.02)
RATE SCHEDULE NO. D6.2 (Contd.) PRIMARY EDUCATIONAL INSTITUTION RATE

Full Service Customers (Contd):

Substation Credit: Available to customers where service at sub-transmission voltage level (24 to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of $0.30 per kW of maximum demand shall be applied to the maximum demand charge. A credit of 0.040¢ per kWh shall be applied to the energy charge where the service is metered on the primary side of the transformer.

Surcharges and Credits: As approved by the Commission. See Section C9.8.

Capacity (Only applicable to Retail Access Service Customers receiving utility Capacity Service from DTE Electric)

Demand Charge: $13.11 per kW of on-peak billing demand

Voltage Level Discount:
- $0.82 per kW of on-peak billing demand at transmission level
- $0.55 per kW of on-peak billing demand at subtransmission level

Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

Retail Access Service Customers:

Delivery Charges:

Primary Service Charge: $53.52 per month
Subtransmission and Transmission Service Charge: $375 per month

Distribution Charges:
- For primary service (less than 24 kV) $4.07 per kW of maximum demand.
- For service at subtransmission voltage (24 to 41.6 kV) $1.46 per kW of maximum demand.
- For service at transmission voltage (120 kV and above) $0.65 per kW of maximum demand.

Substation Credit: Available to customers where service at sub-transmission voltage level (24 to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of $0.30 per kW of maximum demand shall be applied to the maximum demand charge. A credit of 0.040¢ per kWh shall be applied to the energy charge where the service is metered on the primary side of the transformer.

LATE PAYMENT CHARGE: See Section C4.8.

DEFINITION OF CUSTOMER VOLTAGE LEVEL: See Section C13.

MONTHLY ON-PEAK BILLING DEMAND: The monthly on-peak billing demand shall be the single highest 30-minute integrated reading of the demand meter during the on-peak hours of the billing period. The monthly on-peak billing demand will not be less than 65% of the highest monthly on-peak metered billing demand during the billing months of June, July, August, September, and October of the preceding eleven billing months, nor less than 50 kilowatts.

(Continued on Sheet No. D-36.03)
RATE SCHEDULE NO. D6.2 (Contd.) PRIMARY EDUCATIONAL INSTITUTION RATE

MAXIMUM DEMAND: The maximum demand shall be the highest 30-minute demand created during the previous 12 billing months, including the current month but not less than 50% of contract capacity. This clause is applicable to each voltage level served.

Retail Access Service Customers:
A power factor of less than 70% is not permitted and necessary corrective equipment must be installed by the Customer to correct to a minimum level of 70%. Power factor and excess Reactive Demand charges will be calculated at each Customer location at the time of the Location’s single highest 30-minute integrated kW reading of the Interval Demand Meter during the on-peak hours of the billing period, which are those hours from 7 a.m. until 11 p.m. consistent with the ITC Open Access Transmission Tariff. Excess Reactive Demand is any Reactive Demand resulting from operations below 80% power factor. A monthly charge of $3.50/kVAR will be applied to excess Reactive Demand.

SPECIAL TERMS AND CONDITIONS: The contract capacity however established shall not be decreased during the term of the contract and subsequent renewal periods as long as service is required unless there is a specific reduction in connected load.

Customer-owned equipment must be operated so that voltage fluctuations on the primary distribution system of the Company shall not exceed permissible limits.

Customers will be permitted to transfer from this rate to a secondary commercial rate, provided they can meet the availability requirements, if the load characteristic changes sufficiently so that the customer would benefit by the change for the foreseeable future even though metering was continued at primary voltage. Frequent changes, however, from on rate to another for a period less than one full year will not be permitted in accordance with Section C4.4 - Choice of Rates.

For example, during the period that a building is under construction, primary service may be supplied and metered at primary voltage and billed on a secondary rate while the building is under the jurisdiction of the contractor.

Also, for the convenience of the utility, service to a large school complex where, as a matter of design, primary voltage is furnished with Company owned transformers at remote locations fed by customer owned primary cables, the account can be billed on a secondary rate though metered at one central primary voltage location at or near the termination of the utility-owned cables.

At the option of the Company, service may be supplied at the primary voltage and metered at a secondary voltage when the customer transfers from a secondary rate. For loads metered at a secondary voltage (less than 600V), all measured quantities shall be increased by 2%.

CONTRACT TERM: For new primary installations over 1000 kW the term is for not less than five years, extending thereafter from month-to-month until terminated by mutual consent or on twelve months' written notice by either party, which may be given at any time after the end of the fourth year. For new primary installations of 1000 kW or less and for new customers at existing installations, the term is for one year which under special circumstances may be increased or reduced at the discretion of the Company, extending thereafter from month-to-month until terminated by mutual consent or on one month written notice by either party. Where special services are required, the term will be as specified in the applicable contract rider.
M.P.S.C. No. 1 - Electric
DTE Electric Company
(To combine cancelled Rate Schedule D7 tariff sheets and Implementation of Revenue Neutral Order)

First Revised Sheet No. D-37.00
Cancels Original Sheet No. D-37.00

First Revised Sheet No. D-38.00
Cancels Original Sheet No. D-38.00

First Revised Sheet No. D-39.00
Cancels Original Sheet No. D-39.00

These sheets have been cancelled and are available for future use.

Issued July 9, 2015
D. M. Stanczak
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on and after July 1, 2015
Issued under authority of the Michigan Public Service Commission dated June 30, 2015 in Case No. U-17689
RATE SCHEDULE NO. D8

AVAILABILITY OF SERVICE: Available to customers desiring separately metered service at primary voltage who contract for a specified quantity of demonstrated interruptible load of not less than 50 kilowatts at a single location. Contracted interruptible capacity on this rate is limited to 300 megawatts.

HOURS OF INTERRUPTION: All electric power delivered hereunder shall be subject to curtailment on order of the Company. Customers may be ordered to interrupt only when the Company finds it necessary to do so either to maintain system integrity or when the existence of such loads shall lead to a capacity deficiency by the utility. A System Integrity Interruption Order may be given by the Company when the failure to interrupt will contribute to the implementation of the rules for emergency electrical procedures under Section C3. A Capacity Deficiency Interruption Order may be given by the Company when available system generation is insufficient to meet anticipated system load.

NOTICE OF INTERRUPTION: The customer shall be provided, whenever possible, notice in advance of probable interruption and the estimated duration of the interruption.

NON-INTERRUPTION FEE: Customers who do not interrupt within one hour following notice of a capacity deficiency interruption order shall be billed at the cost of replacement energy plus 0.576¢ per kWh during the time of interruption plus the applicable voltage level charge, but not less than the normal D8 rate. Voltage level charges for service other than transmission voltage are:
- 0.201¢ per kWh at the distribution level.
- 0.082¢ per kWh at the subtransmission level.

NON-INTERRUPTION PENALTY: A customer who does not interrupt within one hour following a system integrity interruption order shall be billed at the rate of $50 per kW for the highest 30-minute kW demand created during the interruption period for all usage above the customer’s firm demand, in addition to the prescribed monthly rate. In addition, the interruptible contract capacity of a customer who does not interrupt within one hour following notice shall be immediately reduced by the amount by which the customer failed to interrupt, unless the customer demonstrates that failure to interrupt was beyond its control.

CURRENT, PHASE AND VOLTAGE: Alternating current, three-phase, nominally at 4,800, 13,200, 24,000, 41,570 or 120,000 volts at the option of the Company.

CONTRACT CAPACITY: Customers shall contract for a specified capacity in kilowatts sufficient to meet maximum interruptible requirements, but not less than 50 kilowatts. Any single reading of the demand meter in any month that exceeds the contract capacity then in effect shall become the new contract capacity. The interruptible contract capacity shall not include any firm power capacity, except under Product Protection Provision.

(Continued on Sheet No. D-41.00)
RATE SCHEDULE NO. D8 (Contd.)

INTERRUPTIBLE SUPPLY RATE

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Capacity

Demand Charge: \( \$5.30 \) per kW of on-peak billing demand
Voltage Level Discount:
\( \$0.33 \) per kW of on-peak billing demand at transmission level
\( \$0.22 \) per kW of on-peak billing demand at subtransmission level

Non-Capacity

Demand Charge: \( \$4.08 \) per kW of on-peak billing demand
Voltage Level Discount:
\( \$0.26 \) per kW of on-peak billing demand at transmission level
\( \$0.17 \) per kW of on-peak billing demand at subtransmission level

Energy Charge:
\( \$0.22 \) per kW of on-peak billing demand at transmission level
\( \$0.17 \) per kW of on-peak billing demand at subtransmission level
\( \$4.339 \)¢ per kWh for all on-peak kWh
\( \$3.339 \)¢ per kWh for all off-peak kWh

Voltage Level Discount:
\( \$0.201 \)¢ per kWh at transmission level
\( \$0.119 \)¢ per kWh at subtransmission level

Delivery Charges:

Primary Service Charge: \( \$53.52 \) per month
Subtransmission and Transmission Service Charge: \( \$375 \) per month

Distribution Charges:

For primary service (less than 24 kV) \( \$4.07 \) per kW of maximum demand.
For service at subtransmission voltage (24 to 41.6 kV) \( \$1.46 \) per kW of maximum demand.
For service at transmission voltage (120 kV and above) \( \$0.65 \) per kW of maximum demand.

Substation Credit: Available to customers where service at sub-transmission voltage level (24 to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of \( \$0.30 \) per kW of maximum demand shall be applied to the maximum demand charge. A credit of \( 0.040 \)¢ per kWh shall be applied to the energy charge where the service is metered on the primary side of the transformer.

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

Issued June 4, 2019
D. M. Stanczak
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on and after May 9, 2019
RATE SCHEDULE NO. D8 (Contd.)

INTERRUPTIBLE SUPPLY RATE

Retail Access Service customers:
Capacity (only applicable to Retail Access Service Customers receiving Utility Capacity Service from DTE Electric)

Demand Charge: $5.30 per kW of on-peak billing demand

Voltage Level Discount:
- $0.33 per kW of on-peak billing demand at transmission level
- $0.22 per kW of on-peak billing demand at subtransmission level

Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

Delivery Charges:
- Primary Service Charge: $53.52 per month
- Subtransmission and Transmission Service Charge: $375 per month
- Distribution Charges:
  - For primary service (less than 24 kV) $4.07 per kW of maximum demand.
  - For service at subtransmission voltage (24 to 41.6 kV) $1.46 per kW of maximum demand.
  - For service at transmission voltage (120 kV and above) $0.65 per kW of maximum demand.

Substation Credit: Available to customers where service at sub-transmission voltage level (24 to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of $.30 per kW of maximum demand shall be applied to the maximum demand charge. A credit of .040¢ per kWh shall be applied to the energy charge where the service is metered on the primary side of the transformer.

Surcharges and Credits: As approved by the Commission. See Section C9.8.

LATE PAYMENT CHARGE: See Section C4.8.

DEFINITION OF CUSTOMER VOLTAGE LEVEL: See Section C13.

MONTHLY ON-PEAK BILLING DEMAND: The monthly on-peak billing demand shall be the single highest 30-minute integrated reading of the demand meter during the on-peak hours of the billing period. In no event will the monthly on-peak billing demand be less than 65% of the highest monthly on-peak metered billing demand during the billing months of June, July, August, September, and October of the preceding eleven billing months, nor less than 50 kilowatts.

MAXIMUM DEMAND: The maximum demand shall be the highest 30-minute demand created during the previous 12 billing months, including the current month but not less than 50% of contract capacity. This clause is applicable to each voltage level served.

MINIMUM CHARGE: All applicable demand charges plus the service charge and any applicable per meter per month surcharges.

ON-PEAK HOURS: See Section C11.
RATE SCHEDULE NO. D8 (Contd.)

PRODUCT PROTECTION PROVISION (Full Service and Utility Capacity Service Customers Only): A customer on rate D8 may elect to contract for a minimum load during the period of interruption to protect his product or process. This minimum load called "product protection load" shall not exceed 50% of the total contracted interruptible load and shall be charged a monthly demand charge per kW of product protection contract capacity equal to the Primary Supply Rate (D11) on-peak billing demand charge.

POWER FACTOR CLAUSE:

Full Service Customers:
The rates and charges under this tariff are based on the customer maintaining a power factor of not less than 85% lagging. Any power factor less than 70% will not be permitted and the customer will be required to install at his own expense such corrective equipment as may be necessary to improve power factor. A penalty will be applied to the total amount of the monthly billing for electric energy for power factor below 85% lagging in accordance with the table in Power Factor Determination, Section C12. The Power Factor Clause shall not be applied to the on-peak billing demand ratchet nor to the minimum contract demand, but will be applied to metered quantities.

Retail Access Service Customers:
A power factor of less than 70% is not permitted and necessary corrective equipment must be installed by the Customer to correct to a minimum level of 70%. Power factor and excess Reactive Demand charges will be calculated at each Customer location at the time of the Location’s single highest 30-minute integrated kW reading of the Interval Demand Meter during the on-peak hours of the billing period, which are those hours from 7 a.m. until 11 p.m. consistent with the ITC Open Access Transmission Tariff. Excess Reactive Demand is any Reactive Demand resulting from operations below 80% power factor. A monthly charge of $3.50/kVAR will be applied to excess Reactive Demand.

SPECIAL TERMS AND CONDITIONS: The contract capacity however established shall not be decreased during the term of the contract and subsequent renewal periods as long as service is required unless there is a specific reduction in load. The increase of contract capacity may be limited if, in the opinion of the Company, additional interruptible capacity is not available.

Customer-owned equipment must be operated so that voltage fluctuations on the electrical system of the Company shall not exceed permissible limits.

The customer will own and maintain the necessary switching equipment to separate the interruptible load from the firm power load. The interruptible load shall not be served from the firm power source at any time. The switching equipment must meet the Company standards. The customer must provide space for the separate metering of the interruptible load.

CONTRACT TERM: The contract term is five years, extending thereafter from month-to-month until terminated by mutual consent or on twelve months written notice by either party, which may be given at any time after the end of the fourth year.
RATE SCHEDULE NO. D9  OUTDOOR PROTECTIVE LIGHTING

AVAILABILITY OF SERVICE: Customers desiring controlled service for outdoor protective lighting on premises where the customer is presently taking electric service under a standard metered rate schedule.

HOURS OF SERVICE: Dusk to dawn service controlled by photo-sensitive devices which provide service every night and all night for approximately 4200 hours per year.

KIND OF SERVICE: Multiple lighting from overhead and underground lines. The Company will own, operate and maintain the lights. Burned out lights must be reported by the customer and the Company will undertake to replace the lights as soon as possible during regular working hours.

SPECIAL ORDER MATERIAL PROVISION: For decorative or ornamental special order material, there maybe an additional per luminaire per month charge for procurement and material handling. Company and Customer to mutually agree upon charges.

RATES: As shown on Sheet No. D-45.00 and D-46.00.

BILLING: Billing will be on a monthly basis using the annual rate divided by twelve and rounded to the nearest cent.

SURCHARGES AND CREDITS: As approved by the Commission. Applicable surcharges and credits are listed in Sections C8.5 and C9.8.

LATE PAYMENT CHARGE: See Section C4.8.

CONTRACT TERM: Contracts for overhead and underground service were taken for a minimum of five years. Conversion and/or relocation of existing lighting facilities must be paid for by the customer, except where initiated by the Company. The detailed provisions and schedule of such charges will be quoted upon request.

SPECIAL TERMS AND CONDITIONS: Outdoor protective lighting is intended primarily for installations served from existing secondary facilities. All lights will be installed so as to overhang private property at locations satisfactory to the customer and the Company. However, exceptions can be made for floodlight installations to overhang public property where practical.

The stated charges for underground service on Sheet No. D-46.00 cover the ordinary trenching for cable extensions under normal soil conditions in cleared areas.

(Continued on Sheet No. D-45.00)
(Continued from Sheet No. D-44.00)

RATE SCHEDULE NO. D9 (Contd.)

OUTDOOR PROTECTIVE LIGHTING

(1) Special purpose facilities are considered to be line or cable extensions, transformers, and any additional poles without lights, excluding facilities provided under stated charges on Sheet No. D-45.00. Where special purpose facilities are required, a service charge of 18% per year on the investment in such facilities will be billed in installments as an addition to the regular rate for each light. In the event the customer discontinues service before the end of the contract term, the established rate as well as the service charge on special purpose facilities for the remaining portion of the contract term shall immediately become due and payable. This provision was closed to new installations as of January 22, 1994.

(2) For new installations after January 22, 1994, which require investment in excess of three times the annual revenue, this rate is available only to customers who make a contribution in aid of construction equal to the amount by which the investment exceeds three times the annual revenue at the prevailing rate at the time of installation.

(3) For new underground-funed installations of 5 lights or more after May 1, 2019, which require investment in excess of three times the annual revenue, the customer may elect to pay a post charge for each increment of $1,000 investment required above three times the annual revenue.

MONTHLY RATES: Overhead Outdoor Protective Lighting with Existing Pole and Existing Secondary Facilities
(All-night service).

Power Supply Charges:
- Capacity Energy Charge: 0.00¢ per kWh for all kWh
- Non-Capacity Energy Charge: 4.54¢ per kWh for all kWh

### Luminaire Charges:

<table>
<thead>
<tr>
<th>Nominal Lamp Size</th>
<th>Type of Service</th>
<th>Distribution Charge per Lamp per Month</th>
<th>System Wattage</th>
<th>Average Monthly Hours (4200/12)</th>
<th>Energy Charge</th>
<th>Average Energy Cost per Month (d<em>e</em>f/1000)</th>
<th>Average Monthly Cost</th>
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(Continued on Sheet No. D-45.01)
(Continued from Sheet No. D-45.00)

**RATE SCHEDULE NO. D9 (Contd.)**

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Pie charts and graphs are not necessary for this text.
RATE SCHEDULE NO. D9 (Contd.)

OUTDOOR PROTECTIVE LIGHTING

MONTHLY RATES: Underground Outdoor Protective Lighting with Lamp Spacing up to 120 Feet of Trench (All-night service).

Power Supply Charges:
- Capacity Energy Charge: 0.00¢ per kWh for all kWh
- Non-Capacity Energy Charge: 4.54¢ per kWh for all kWh

Luminaire Charges:

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<tr>
<th>Nominal Lamp Size</th>
<th>Type of Service</th>
<th>Distribution Charge per Lamp per Month</th>
<th>System Wattage</th>
<th>Average Monthly Hours (2400/12)</th>
<th>Energy Charge</th>
<th>Average Energy Cost per Month (d<em>e</em>f/1000)</th>
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(Continued from Sheet No. D-45.01)

Issued June 4, 2019
D. M. Stanczak
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on and after May 9, 2019
Issued under authority of the Michigan Public Service Commission dated May 2, 2019 in Case No. U-20162
RATE SCHEDULE NO. D9 (Contd.)

Luminaire Charges (Contd):

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<th>Type of Service</th>
<th>Distribution Charge per Lamp per Month</th>
<th>System Wattage</th>
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</table>

Effective January 22, 1994 installation requiring additional facilities shall pay a contribution in aid of construction in lieu of the service charge. Contribution is described in paragraph (2) above.

Effective May 1, 2019, installations requiring additional facilities shall pay a post charge of $6.68 per increment of $1,000 of expense in lieu of contribution in aid of construction. Contribution is described in paragraph (3) above.

Multiple Lamps on a Single Pole. For each additional luminaire added to the same pole reduce rate per lamp per year on the added luminaire by $97.92.

The Energy Policy Act of 2005 states that no Mercury Vapor lamp ballasts may be manufactured or imported after January 1, 2008. As a result, effective January 1, 2008, new Mercury Vapor lamps will no longer be available. Customers with existing Mercury Vapor lamp ballasts will continue to receive service until those luminaires fail. At that time, the luminaire will be converted to LED.
RATE SCHEDULE NO. D10  

ALL-ELECTRIC SCHOOL BUILDING SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers desiring service in school buildings served at primary voltage who contract for a specified installed capacity of not less than 50 kilowatts at a single location provided the space heating and water heating for all or a substantial portion of the premises is supplied by electric service and is installed on a permanent basis.

HOURS OF SERVICE: 24 hours, subject to interruption by agreement, or by advance notice.

CURRENT, PHASE AND VOLTAGE: Alternating current, three-phase, nominally at 4,800 or 13,200 volts at the option of the Company.

RATE PER MONTH:

Full Service Customers:  

<table>
<thead>
<tr>
<th>Power Supply Charges:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
</tr>
<tr>
<td>Energy Charge (June through October): 3.985¢ per kWh for all kWh</td>
</tr>
<tr>
<td>Energy Charge (November through May): 2.184¢ per kWh for all kWh</td>
</tr>
<tr>
<td>Non-Capacity</td>
</tr>
<tr>
<td>Energy Charge (June through October): 5.458¢ per kWh for all kWh</td>
</tr>
<tr>
<td>Energy Charge (November through May): 5.458¢ per kWh for all kWh</td>
</tr>
</tbody>
</table>

Delivery Charges:  

| Service Charge: $53.52 per month |
| Distribution Charge: 1.488¢ per kWh for all kWh |

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

Retail Access Service Customers:

Capacity (Only applicable to Retail Access Service Customers receiving Utility Capacity Service from DTE Electric)

| Energy Charge (June through October): 3.985¢ per kWh for all kWh |
| Energy Charge (November through May): 2.184¢ per kWh for all kWh |

Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

Delivery Charges:  

| Service Charge: $53.52 per month |
| Distribution Charge: 1.488¢ per kWh for all kWh |

Surcharges and Credits: As approved by the Commission. See Section C9.8.

(Continued on Sheet No. D-48.00)
RATE SCHEDULE NO. D10 (Contd.)  ALL-ELECTRIC SCHOOL BUILDING SERVICE RATE

POWER FACTOR CLAUSE:

Full Service Customers:
The rates and charges under this tariff are based on the customer maintaining a power factor of not less than 85% lagging. Any power factor less than 70% will not be permitted and the customer will be required to install at his own expense such corrective equipment as may be necessary to improve power factor. A penalty will be applied to the total amount of the monthly billing for electric energy for power factor below 85% lagging in accordance with the table in Power Factor Determination, Section C12. The Power Factor Clause shall not be applied to the on-peak billing demand ratchet nor to the minimum contract demand, but will be applied to metered quantities.

Retail Access Service Customers:
A power factor of less than 70% is not permitted and necessary corrective equipment must be installed by the Customer to correct to a minimum level of 70%. Power factor and excess Reactive Demand charges will be calculated at each Customer location at the time of the Location’s single highest 30-minute integrated kW reading of the Interval Demand Meter during the on-peak hours of the billing period, which are those hours from 7 a.m. until 11 p.m. consistent with the ITC Open Access Transmission Tariff. Excess Reactive Demand is any Reactive Demand resulting from operations below 80% power factor. A monthly charge of $3.50/kVAR will be applied to excess Reactive Demand.

SPECIAL TERMS AND CONDITIONS: Customer-owned equipment must be operated so that voltage fluctuations on the primary distribution system of the Company shall not exceed permissible limits.

At the option of the Company where service to a large school complex, as a matter of design, primary voltage is furnished with Company owned transformers at remote locations fed by customer owned primary cables, the account can be billed on a secondary rate though metered at one central primary voltage location at or near the termination of the utility-owned cables.

At the option of the Company, service may be supplied at the primary voltage and metered at a secondary voltage when the customer transfers from a secondary rate. For loads metered at a secondary voltage (less than 600V), all measured quantities shall be increased by 2%.

CONTRACT TERM: For new primary installations over 1000 kW the term is for not less than five years, extending thereafter from month-to-month until terminated by mutual consent or on twelve months’ written notice by either party, which may be given at any time after the end of the fourth year. For new primary installations of 1000 kW or less and for new customers at existing installations, the term is for one year which under special circumstances may be increased or reduced at the discretion of the Company, extending thereafter from month-to-month until terminated by mutual consent or on one month written notice by either party. Where special services are required, the term will be as specified in the applicable contract rider.
RATE SCHEDULE NO. D11

AVAILABILITY OF SERVICE: Available to customers desiring service at primary, sub-transmission, or transmission voltage who contract for a specified capacity of not less than 50 kilowatts at a single location.

HOURS OF SERVICE: 24 hours, subject to interruption by agreement, or by advance notice.

CURRENT, PHASE AND VOLTAGE: Alternating current, three-phase, nominally at 4,800, 13,200, 24,000, 41,570 or 120,000 volts at the option of the Company.

CONTRACT CAPACITY: Customers shall contract for a specified capacity in kilowatts sufficient to meet normal maximum requirements but not less than 50 kilowatts. The Company undertakes to provide the necessary facilities for a supply of electric power from its primary distribution system at the contract capacity. Any single reading of the demand meter in any month that exceeds the contract capacity then in effect shall become the new contract capacity. The contract capacity for customers served at more than one voltage level shall be the sum of the contract capacities established for each voltage level.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Capacity
Demand Charge: $12.33 per kW of on-peak billing demand
Voltage Level Discount:
$0.78 per kW of on-peak billing demand at transmission level
$0.52 per kW of on-peak billing demand at subtransmission level

Non-Capacity
Demand Charge: $4.68 per kW of on-peak billing demand
Voltage Level Discount:
$0.29 per kW of on-peak billing demand at transmission level
$0.20 per kW of on-peak billing demand at subtransmission level
Energy Charge: 4.339¢ per kWh for all on-peak kWh
3.339¢ per kWh for all off-peak kWh

Voltage Level Discount:
0.201¢ per kWh at transmission level
0.119¢ per kWh at subtransmission level

Delivery Charges:
Primary Service Charge: $53.52 per month
Subtransmission and Transmission Service Charge: $375 per month

Distribution Charges:
For primary service (less than 24 kV) $4.07 per kW of maximum demand.
For service at subtransmission voltage (24 to 41.6 kV) $1.46 per kW of maximum demand.
For service at transmission voltage (120 kV and above) $0.65 per kW of maximum demand.

Continued on Sheet No. D-48.02)
RATE SCHEDULE NO. D11 (Contd.)

Substation Credit: Available to customers where service at sub-transmission voltage level (24 to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of $0.30 per kW of maximum demand shall be applied to the maximum demand charge. A credit of 0.040¢ per kWh shall be applied to the energy charge where the service is metered on the primary side of the transformer.

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

Retail Access Service Customers:
Capacity (Only applicable to Retail Access Service Customers receiving Utility Capacity Service from DTE Electric)

Demand Charge: $12.33 per kW of on-peak billing demand
Voltage Level Discount:
$0.78 per kW of on-peak billing demand at transmission level
$0.52 per kW of on-peak billing demand at subtransmission level

Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C5.8.

Delivery Charges:
Primary Service Charge: $53.52 per month
Subtransmission and Transmission Service Charge: $375 per month

Distribution Charges:
For primary service (less than 24 kV) $4.07 per kW of maximum demand.
For service at subtransmission voltage (24 to 41.6 kV) $1.46 per kW of maximum demand.
For service at transmission voltage (120 kV and above) $0.65 per kW of maximum demand.

Substation Credit: Available to customers where service at sub-transmission voltage level (24 to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of $0.30 per kW of maximum demand shall be applied to the maximum demand charge. A credit of 0.040¢ per kWh shall be applied to the energy charge where the service is metered on the primary side of the transformer.

Surcharges and Credits: As approved by the Commission. See Section C9.8.

LATE PAYMENT CHARGE: See Section C4.8.

DEFINITION OF CUSTOMER VOLTAGE LEVEL: See Section C13.

MONTHLY ON-PEAK BILLING DEMAND: The monthly on-peak billing demand shall be the single highest 30-minute integrated reading of the demand meter during the on-peak hours of the billing period. The monthly on-peak billing demand will not be less than 65% of the highest monthly on-peak metered billing demand during

(Continued on Sheet No. D-48.03)
RATE SCHEDULE NO. D11 (Contd.)

MAXIMUM DEMAND: The maximum demand shall be the highest 30-minute demand created during the previous 12 billing months, including the current month but not less than 50% of contract capacity. This clause is applicable to each voltage level served.

MINIMUM CHARGE: All applicable demand charges plus the service charge and any applicable per meter per month surcharges.

SCHEDULE OF ON-PEAK HOURS: See Section C11.

POWER FACTOR CLAUSE:

Full Service Customers:
The rates and charges under this tariff are based on the customer maintaining a power factor of not less than 85% lagging. Any power factor less than 70% will not be permitted and the customer will be required to install at his own expense such corrective equipment as may be necessary to improve power factor. A penalty will be applied to the total amount of the monthly billing for electric energy for power factor below 85% lagging in accordance with the table in Power Factor Determination, Section C12. The Power Factor Clause shall not be applied to the on-peak billing demand ratchet nor to the minimum contract demand, but will be applied to metered quantities.

Retail Access Service Customers:
A power factor of less than 70% is not permitted and necessary corrective equipment must be installed by the Customer to correct to a minimum level of 70%. Power factor and excess Reactive Demand charges will be calculated at each Customer location at the time of the Location’s single highest 30-minute integrated kW reading of the Interval Demand Meter during the on-peak hours of the billing period, which are those hours from 7 a.m. until 11 p.m. consistent with the ITC Open Access Transmission Tariff. Excess Reactive Demand is any Reactive Demand resulting from operations below 80% power factor. A monthly charge of $3.50/kVAR will be applied to excess Reactive Demand.

SPECIAL TERMS AND CONDITIONS: The contract capacity however established shall not be decreased during the term of the contract and subsequent renewal periods as long as service is required unless there is a specific reduction in connected load.

Customer-owned equipment must be operated so that voltage fluctuations on the primary distribution system of the Company shall not exceed permissible limits.

Customers will be permitted to transfer from this rate to a secondary commercial rate, provided they can meet the availability requirements, if the load characteristic changes sufficiently so that the customer would benefit by the change for the foreseeable future even though metering was continued at primary voltage. Frequent changes, however, from one rate to another for a period less than one full year will not be permitted in accordance with Section C4.4 - Choice of Rates.

(Continued on Sheet No. D-48.04)
RATE SCHEDULE NO. D11 (Contd.)

SPECIAL TERMS AND CONDITIONS (Contd.)

For example, during the period that a building is under construction, primary service may be supplied and metered at primary voltage and billed on a secondary rate while the building is under the jurisdiction of the contractor.

Also, for the convenience of the utility, service to a large school complex or a high rise building where, as a matter of design, primary voltage is furnished with Company owned transformers at remote locations fed by customer owned primary cables, the account can be billed on a secondary rate though metered at one central primary voltage location at or near the termination of the utility-owned cables.

At the option of the Company, service may be supplied at the primary voltage and metered at a secondary voltage when the customer transfers from a secondary rate. For loads metered at a secondary voltage (less than 600V), all measured quantities shall be increased by 2%.

CONTRACT TERM: For new primary installations over 1000 kW the term is for not less than five years, extending thereafter from month-to-month until terminated by mutual consent or on twelve months’ written notice by either party, which may be given at any time after the end of the fourth year. For new primary installations of 1000 kW or less and for new customers at existing installations, the term is for one year which under special circumstances may be increased or reduced at the discretion of the Company, extending thereafter from month-to-month until terminated by mutual consent or on one month written notice by either party. Where special services are required, the term will be as specified in the applicable contract rider.
**RATE SCHEDULE NO. E1**

**MUNICIPAL STREET LIGHTING RATE**

**AVAILABILITY OF SERVICE:** Available to governmental agencies desiring controlled nighttime service for street lighting, for public thoroughfares, public parking lots and other public areas. Mercury Vapor service listed hereunder is not available for new business, but will be continued for customers taking said service as of July 23, 1981.

**HOURS OF SERVICE:** *Dusk to dawn service* controlled by photo-sensitive devices, the street lights are burning all night for approximately 4200 hours per year.

**KIND OF SERVICE:** *Municipal Street Lighting* from overhead lines or underground circuits.

The Company presently has three (3) street lighting rate options available to municipalities. They are: **Option** (I) A Company owned system, **Option** (II) A municipally owned and Company maintained system *(closed to new customers)*, **Option** (III) A municipally owned and maintained system.

**OPTION I**
The Company will clean, inspect, operate and maintain street lighting equipment and furnish lamp replacements. *Non-functional lights must be reported by the customer and the Company will replace the lights as soon as possible during regular working hours.*

**SPECIAL ORDER MATERIAL PROVISION:** For decorative or ornamental special order material, there may be an additional per luminaire per month charge for procurement and material handling. Company and Customer to mutually agree upon charges.

**OPTION II**
Where the street lighting system is owned by the municipality, but is maintained by the Company, the normal maintenance will consist of replacement of glassware and lamps. Major maintenance such as broken lamp posts, etc., must be paid for by the municipality. The street lighting system must be built to Company specifications.

This option has been closed to new customers effective January 14, 2009.

Existing Option II customers desiring a change to emerging lighting technology (including LEDs) will be required to convert either to Option I or Option III to accommodate this change in lighting source.

**OPTION III**
Where the municipality owns and maintains the system, the Company's function will be confined solely to the supply of electricity. Customers desiring service under Option III are free to determine the appropriate light source for their application including incumbent and emerging technologies (including LEDs). Customers must supply adequate documentation of the wattage of the light source that will be subject to the approval of the Company.

**RATES:** As shown on Sheet Nos. D-50.00, D-51.00 and D-52.00.

**BILLING:** Billing will be on a monthly basis using the annual rate divided by twelve and rounded to the nearest cent.

**SURCHARGES AND CREDITS:** As approved by the Commission. See Sections C8.5 and C9.8.

(Continued on Sheet No. D-50.00)
RATE SCHEDULE NO. E1 (Contd.)

MUNICIPAL STREET LIGHTING RATE

CONTRACT TERM: Minimum 5 year term. Upon expiration of the initial term shall continue on a month-to-month basis until terminated by mutual written consent of the parties or by either party with thirty (30) days prior written notice to the other party. Any conversion, relocation and/or removal of existing street lighting facilities at the customer's request, including those removals necessitated by termination of service, must be paid for by the customer. The detailed provisions and schedule of charges, which may include the remaining value of the existing facilities, will be quoted upon request. The Company shall not withdraw service, and the municipality shall not substitute another source of service in whole or in part, without twelve months' written notice to the other party.

Option I: Company Owned Street Lighting System
Where new installations require an investment in excess of an investment allowance, Option I is available only to customers who make a contribution in aid of construction equal to the amount by which the investment exceeds three times the annual revenue at the prevailing rate at the time of installation. (Effective January 1, 1991, the investment amount will be limited to direct cost. Effective January 1, 1992, the investment amount will include full cost.)

As an alternative, where the required contribution exceeds $10,000, upon agreement of the customer and the Company, the customer will pay an additional annual charge of the Company’s weighted average cost of capital (6.81%) times the contribution amount in lieu of the cash contribution.

For new underground-fed installations of 5 lights or more after May 1, 2019, which require investment in excess of three times the annual revenue at the prevailing rate at the time of installation, the customer may elect to pay a post charge for each increment of $1,000 investment required above three times the annual revenue.

DE-ENERGIZED LIGHTS: Customers may elect to have any or all luminaires served under this rate disconnected. The charge per luminaire per year, payable in equal monthly installments, shall be 60% of the regular yearly rates. A $35.00 charge per luminaire will be made at the time of de-energization and at the time of re-energization.

DUSK TO MIDNIGHT SERVICE: For service to parking lots from dusk to approximately twelve o’clock midnight E.S.T., a discount of 1.060¢ per nominal lamp size wattage per month will be applied. One control per circuit will be provided.

EXPERIMENTAL PROGRAMMABLE PHOTOCELL SERVICE: Customers may elect to place luminaires on photocells that are programmable to turn off lights at pre-determined times during the night. A discount of 1.060¢ per nominal lamp size wattage per month will be applied.

MONTHLY RATES OPTION I: Overhead Municipal Street Lighting (All-night service).

Power Supply Charges:
Capacity Energy Charge: 0.00¢ per kWh for all kWh
Non-Capacity Energy Charge: 4.54¢ per kWh for all kWh

(Continued on Sheet No. D-50.01)
RATE SCHEDULE NO. E1 (Contd.)

<table>
<thead>
<tr>
<th>Nominal Lamp Size</th>
<th>Type of Service</th>
<th>Distribution Charge per Lamp per Month</th>
<th>System Wattage</th>
<th>Average Monthly Watts (4200/12)</th>
<th>Energy Charge</th>
<th>Average Energy Cost per Month (d<em>e</em>f/1000)</th>
<th>Average Monthly Cost</th>
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<tbody>
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<td>100 W</td>
<td>Mercury Vapor</td>
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<td>350</td>
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(Continued on Sheet No. D-50.02)
## RATE SCHEDULE NO. E1 (Contd.)

### Luminaire Charges (Contd.):

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<th>Distribution Charge per Lamp per Month</th>
<th>System Wattage</th>
<th>Average Monthly Hours (4200/12)</th>
<th>Energy Charge</th>
<th>Average Energy Cost per Month (d<em>e</em>f/1000)</th>
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Multiple Lamps on a Single Pole

- For each additional luminaire added to the same pole, reduce rate per lamp per year on the added luminaire $12.24.

The Energy Policy Act of 2005 states that no Mercury Vapor lamp ballasts may be manufactured or imported after January 1, 2008. As a result, effective January 1, 2008, new Mercury Vapor lamps will no longer be available. Customers with existing Mercury Vapor lamp ballasts will continue to receive service until those luminaires fail. At that time, the luminaire will be converted to LED.
MONTHLY RATES OPTION I: Ornamental Underground Municipal Street Lighting for Lamp Spacing up to 120 Feet of Street (All-night service).

- Power Supply Charges:
  - Capacity Energy Charge: 0.00¢ per kWh for all kWh
  - Non-Capacity Energy Charge: 4.54¢ per kWh for all kWh

**Luminaire Charges:**

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<tr>
<th>Nominal Lamp Size</th>
<th>Type of Service</th>
<th>Distribution Charge per Lamp per Month</th>
<th>System Wattage</th>
<th>Average Monthly Hours (4200/12)</th>
<th>Energy Charge</th>
<th>Average Energy Cost per Month (d<em>e</em>f/1000)</th>
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(Continued on Sheet No. D-51.01)
**RATE SCHEDULE NO. E1 (Contd.)**

**MUNICIPAL STREET LIGHTING RATE**

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<th>Average Energy Cost (d<em>e</em>f/1000)</th>
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<td>$0.0454</td>
<td>5.49</td>
<td>42.73</td>
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<tr>
<td>350 - 359 W</td>
<td>LED</td>
<td>37.87</td>
<td>355</td>
<td>350</td>
<td>$0.0454</td>
<td>5.64</td>
<td>43.51</td>
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<tr>
<td>360 - 369 W</td>
<td>LED</td>
<td>38.50</td>
<td>365</td>
<td>350</td>
<td>$0.0454</td>
<td>5.80</td>
<td>44.30</td>
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<tr>
<td>370 - 379 W</td>
<td>LED</td>
<td>39.12</td>
<td>375</td>
<td>350</td>
<td>$0.0454</td>
<td>5.96</td>
<td>45.08</td>
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<tr>
<td>380 - 389 W</td>
<td>LED</td>
<td>39.75</td>
<td>385</td>
<td>350</td>
<td>$0.0454</td>
<td>6.12</td>
<td>45.87</td>
</tr>
<tr>
<td><strong>390 - 399 W</strong></td>
<td><strong>LED</strong></td>
<td><strong>40.37</strong></td>
<td><strong>395</strong></td>
<td><strong>350</strong></td>
<td><strong>$0.0454</strong></td>
<td><strong>6.28</strong></td>
<td><strong>46.65</strong></td>
</tr>
</tbody>
</table>

**Long Span**
- For lamp spacing over 120 feet up to 325 feet on the same side of street, add to rate per lamp per year.

**Semi-Ornamental**
- For Semi-Ornamental Systems which employ Ornamental Post Units served from overhead conductors, where such construction is practical, reduce rate per luminaire per year.

**Post Charge**
- For each increment of $1,000 of investment which exceeds three times the annual revenue at the prevailing rate at the time of installation, add to rate per year.

**Multiple Luminaires on a Single Pole**
- For additional luminaires added to the same pole, a reduced rate per luminaire per year on the added luminaire.

(Continued on Sheet No. D-52.00)
RATE SCHEDULE NO. E1 (Contd.)

MUNICIPAL STREET LIGHTING RATE

OPTION II: Street Equipment Owned by Municipality

MONTHLY RATES OPTION II: Overhead and Underground Ornamental Municipality Owned Street Lighting (All-night service).

Power Supply Charges:
- Capacity Energy Charge: 0.00¢ per kWh for all kWh
- Non-Capacity Energy Charge: 4.54¢ per kWh for all kWh

<table>
<thead>
<tr>
<th>Nominal Lamp Size</th>
<th>Type of Service</th>
<th>Distribution Charge per Lamp per Month</th>
<th>System Wattage</th>
<th>Average Monthly Hours (4200/12)</th>
<th>Energy Charge</th>
<th>Average Energy Cost per Month (d<em>e</em>f/1000)</th>
<th>Average Monthly Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>175 W</td>
<td>Mercury Vapor</td>
<td>7.06</td>
<td>210</td>
<td>350</td>
<td>$0.0454</td>
<td>3.34</td>
<td>10.40</td>
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<td>250 W</td>
<td>Mercury Vapor</td>
<td>8.25</td>
<td>300</td>
<td>350</td>
<td>$0.0454</td>
<td>4.77</td>
<td>13.02</td>
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<td>Mercury Vapor</td>
<td>13.65</td>
<td>450</td>
<td>350</td>
<td>$0.0454</td>
<td>7.16</td>
<td>20.81</td>
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<td>1,000 W</td>
<td>Mercury Vapor</td>
<td>30.12</td>
<td>1060</td>
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<td>$0.0454</td>
<td>16.85</td>
<td>46.97</td>
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<td>70 W</td>
<td>High Pressure Sodium</td>
<td>4.06</td>
<td>95</td>
<td>350</td>
<td>$0.0454</td>
<td>1.51</td>
<td>5.57</td>
</tr>
<tr>
<td>100 W</td>
<td>High Pressure Sodium</td>
<td>4.99</td>
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<td>350</td>
<td>$0.0454</td>
<td>2.15</td>
<td>7.14</td>
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<td>250 W</td>
<td>High Pressure Sodium</td>
<td>9.67</td>
<td>305</td>
<td>350</td>
<td>$0.0454</td>
<td>4.85</td>
<td>14.52</td>
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<td>360 W</td>
<td>High Pressure Sodium</td>
<td>12.89</td>
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<td>19.54</td>
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<td>High Pressure Sodium</td>
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<td>350</td>
<td>$0.0454</td>
<td>7.39</td>
<td>21.46</td>
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<tr>
<td>1,000 W</td>
<td>High Pressure Sodium</td>
<td>31.66</td>
<td>1100</td>
<td>350</td>
<td>$0.0454</td>
<td>17.49</td>
<td>49.16</td>
</tr>
</tbody>
</table>

- The Energy Policy Act of 2005 states that no Mercury Vapor lamp ballasts may be manufactured or imported after January 1, 2008. As a result, effective January 1, 2008, new Mercury Vapor lamps will no longer be available. Customers with existing Mercury Vapor lamp ballasts will continue to receive service until those luminaires fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide, LED or retiring the Luminaire.

- DE-ENERGIZED LIGHTS: Customers may elect to have any or all luminaires served under this rate disconnected. The charge per luminaire per year, payable in equal monthly installments, shall be 10% of the above yearly rates. A $35.00 charge per luminaire will be made at the time of de-energization and at the time of re-energization.

- DUSK TO MIDNIGHT SERVICE: For service to parking lots from dusk to approximately twelve o'clock midnight E.S.T., a discount of 1.060¢ per nominal watt per month will be applied. One control per circuit will be provided.

(Continued on Sheet No. D-53.00)
M.P.S.C. No. 1 - Electric  
DTE Electric Company  
(Final Order Case No. U-20162)

Issued June 4, 2019  
D. M. Stanczak  
Vice President  
Regulatory Affairs  
Detroit, Michigan  

Effective for service rendered on and after May 9, 2019  
Issued under authority of the Michigan Public Service Commission dated May 2, 2019 in Case No. U-20162

(Continued from Sheet No. D-52.00)

RATE SCHEDULE NO. E1 (Contd.)  
MUNICIPAL STREET LIGHTING RATE

OPTION III:  Municipally Owned and Maintained Street Lighting System  (Unmetered)

HOURS OF SERVICE:  For circuits controlled by automatic timing devices, one-half hour after sunset until one-half hour before sunrise.  For circuits controlled by photo-sensitive devices, dusk to dawn for approximately 4,200 hours per year.

RATES:  Where the municipality owns, operates, cleans and renews the lamps, and the Company's service is confined solely to the supply of electricity from dusk to dawn, the monthly charge of said service shall be a power supply capacity energy charge of 0.00¢ per kilowatthour, a power supply non-capacity charge of 4.54¢ per kilowatthour and a distribution charge of 8.38¢ per kilowatthour.  If it is necessary for the Company to install facilities to provide service for the lamps, the customer will reimburse the Company for these costs.  Contract Rider No. 2 charges will also apply.

OPTION III:  Municipally Owned and Maintained Street Lighting System  (Controlled/Metered)

AVAILABILITY OF SERVICE:  Available to governmental agencies desiring controlled nighttime service for primary or secondary voltage energy-only street lighting service where the Company has existing distribution lines available for supplying energy for such service.  Luminaires served under any of the Company's other street lighting rates shall not be intermixed with luminaires serviced under this street lighting rate.  This rate is not available for resale purposes.  Service is governed by the Company's Standard Rules and Regulations.

KIND OF SERVICE:

Secondary Voltage Service:  Alternating current, 60 hertz, single-phase 120/240 nominal volt service for a minimum of ten luminaires located within a clearly defined area.  Except for control equipment, the customer will furnish, install, own and maintain all equipment comprising the street lighting system up to the point of attachment with the Company's distribution system.  The Company will connect the customer's equipment to the Company's lines and supply the energy for operation.  All of the customer's equipment will be subject to the Company's review.

Primary Voltage Service:  Alternating current, 60 hertz, single-phase or three-phase, primary voltage service for actual demands of not less than 100 kW at each point of delivery.  The particular nature of the voltage shall be determined by the Company.  The customer will furnish, install, own and maintain all equipment comprising the street lighting system, including control equipment, up to the point of attachment with the Company's distribution system.  The Company will supply the energy for operation of the customer's street lighting system.

(Continued on Sheet No. D-54.00)
RATE SCHEDULE NO. E1 (Contd.)

MUNICIPAL STREET LIGHTING RATE

Primary and Secondary Energy
Full Service Customers:

Power Supply Charge:
Capacity Energy Charge: 2.251¢ per kWh for all kWh
Non-Capacity Energy Charge: 3.208¢ per kWh for all kWh

Delivery System Charge:
3.866¢ per kWh based on the capacity requirements in kilowatts of the equipment assuming 4,200 burning hours per year, adjusted by the ratio of the monthly kWh consumption to the total annual kWh consumption.

Retail Access Service Customers:

Power Supply Charges for Retail Access Service Customers taking Utility Capacity Service from DTE:

Capacity Energy Charge: 2.251¢ per kWh for all kWh

Delivery System Charge:
3.866¢ per kWh based on the capacity requirements in kilowatts of the equipment assuming 4,200 burning hours per year, adjusted by the ratio of the monthly kWh consumption and the total annual kWh consumption.

At the Company's option, service may be metered and the metered kWh will be the basis for billing. Capacity requirements of lighting equipment shall be determined by the Company from manufacturer specifications, but the Company maintains the right to test such capacity requirements from time to time. In the event that Company tests show capacity requirements other than those indicated in manufacturer specifications, the capacity requirements indicated by Company tests will be used. The customer shall not change the capacity requirements of its equipment without first notifying the Company in writing.

BILLING: Billing will be on a monthly basis.

SURCHARGES AND CREDITS: As approved by the Commission. Power Supply Charges are subject to Section C8.5. Delivery Charges are subject to Section C9.8.

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The contract minimum.

CONTRACT TERM: Contracts will be taken for a minimum of two years, extending thereafter from year to year until terminated by mutual consent or upon 12 months' written notice by either party.

Issued June 4, 2019
D. M. Stanczak
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on and after May 9, 2019

Issued under authority of the Michigan Public Service Commission dated May 2, 2019 in Case No. U-20162
RATE SCHEDULE NO. E2  TRAFFIC AND SIGNAL LIGHTS

AVAILABILITY OF SERVICE: Available to municipalities or other public authorities, hereinafter referred to as customer, operating lights for traffic regulation or signal lights on streets, highways, airports or water routes, as distinguished from street lighting. Customers desiring service under Rate Schedule No. E2 are free to determine the appropriate light source for their application including incumbent and emerging technologies (including LEDs). Customers must supply adequate documentation of the wattage of the light source that will be subject to the approval of the Company.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase, at 120 volts two-wire.

SERVICE CONNECTIONS: The customer is to furnish and maintain all necessary wiring and equipment, including lamps and lamp replacements, or reimburse the Company therefore, except that the Company will furnish, install and maintain such span poles and messenger cable as may be needed to support the traffic or signal lights of the overhead type. Connections are to be brought to the Company's underground and overhead lighting mains by the customer as directed by the Company, and the final connection to the Company's main is to be made by the Company.

Conversion and/or relocation of existing facilities must be paid for by the customer, except when initiated by the Company. The detailed provisions and schedule of such charges will be quoted upon request.

RATES: Distribution charge of $1.86, capacity energy charge of $1.82 and non-capacity energy charge of $4.41 per month per kilowatthour of the total connected traffic light or signal light load in service for each customer.

Total connected wattage will be reckoned as of the fifteenth of the month. Lamps removed from service before the fifteenth or placed in service on or after the fifteenth will be omitted from the reckoning; conversely, lamps placed in service on or before the fifteenth of the month or removed from service after the fifteenth of the month will be reckoned for a full month. Lamps operated cyclically, on and off, will be reckoned at one-half wattage and billed for a full month. No such reduction of reckoned wattage will be allowed for lamps in service but turned off during certain hours of the day.

The Company may, at its option, install meters and apply a standard metered rate schedule applicable to the service.

SURCHARGES AND CREDITS: As approved by the Commission. See Sections C8.5 and C9.8.

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: $3.00 per customer per month.

CONTRACT TERM: Open order on a month-to-month basis. However, the Company shall not withdraw service, and the customer shall not substitute another source of service in whole or in part, without twelve months' written notice to the other party.
HOLD FOR FUTURE USE

Issued February 6, 2013  Effective for service rendered on and after January 27, 2012
N. A. Khouri  Issued under authority of the
Vice President  Michigan Public Service Commission
Regulatory Affairs  dated October 20, 2011 in Case No. U-16472
Detroit, Michigan  and October 9, 2007 in Case No. U-15152
STANDARD CONTRACT RIDER NO. 1.1  ALTERNATIVE ELECTRIC METAL MELTING

APPLICABLE TO:  
General Service Rate  
Large General Service Rate  
Interruptible Supply Rate  
Primary Supply Rate  
Schedule Designation D3  
Schedule Designation D4  
Schedule Designation D8  
Schedule Designation D11

Customers operating electric furnaces for metal melting or for the reduction of metallic ores and/or electric use consumed in holding operations and taking their supply at any of the above rates and who provide special circuits so that the Company may install necessary meters, may take service under this Rider subject to Section C4.4 - Choice of Rates.

Customers shall be subject to immediate interruption on short-term notice if necessary, in order to maintain system integrity. The customer shall be provided, whenever possible, notice in advance of probable interruption and estimated duration of interruption.

Non-Compliance Penalty: A customer who does not interrupt within one hour following a system integrity interruption order shall be billed at the rate of $50 per kW for the highest 30-minute kW demand created during the interruption period in addition to the prescribed monthly rate.

Electric energy from any facilities, other than the Company's, except for on-site generation installed prior to January 1, 1986, will be used to first reduce the sales on this rider. Standby service will not be billed at this rider, but must be taken under Riders No. 3, No. 5 or No. 6.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:  
Capacity  
Energy Charges:
For service at secondary voltage level (less than 4.8 kV)

\[ 2.498 \text{¢ per kWh for the first 100 hours use of maximum demand} \]
\[ 0.943 \text{¢ per kWh for the excess} \]

For service at primary voltage level (4.8 kV to 13.2 kV)

\[ 1.857 \text{¢ per kWh for the first 100 hours use of maximum demand} \]
\[ 0.678 \text{¢ per kWh for the excess} \]

For service at subtransmission voltage level (24 kV to 41.6 kV)

\[ 1.813 \text{¢ per kWh for the first 100 hours use of maximum demand} \]
\[ 0.630 \text{¢ per kWh for the excess} \]

For service at transmission voltage level (120 kV and above)

\[ 1.537 \text{¢ per kWh for the first 100 hours use of maximum demand} \]
\[ 0.509 \text{¢ per kWh for the excess} \]

Non-Capacity  
Energy Charge:  
\[ 4.515 \text{¢ per kWh for all kWh} \]
STANDARD CONTRACT RIDER NO. 1.1 (Contd.) ALTERNATIVE ELECTRIC METAL MELTING

Delivery Charges:

Distribution Charges:
For service at secondary voltage level (less than 4.8 kV)
2.686¢ per kWh for the first 100 hours use of maximum demand
2.686¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.207¢ per kWh for the first 100 hours use of maximum demand
1.207¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
0.342¢ per kWh for the first 100 hours use of maximum demand
0.342¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
0.133¢ per kWh for the first 100 hours use of maximum demand
0.133¢ per kWh for the excess

Substation Credit: Available to customers where service at subtransmission voltage (24 kV to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of 0.3¢/kWh will be applied to the energy use associated with the first 100 hours use of maximum demand.

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8

Retail Access Service Customers:

Capacity (Only applicable to Retail access Service Customers receiving Utility Capacity Service from DTE Electric)

Energy Charges:
For service at secondary voltage level (less than 4.8 kV)
2.498¢ per kWh for the first 100 hours use of maximum demand
0.943¢ per kWh for the excess

(Continued on Sheet No. D-59.00)
STANDARD CONTRACT RIDER NO. 1.1 (Contd.)

ALTERNATIVE ELECTRIC METAL MELTING

Retail Access Service Customers:

For service a primary voltage level (4.8 kV to 13.2 kV)
1.857¢ per kWh for the first 100 hours use of maximum demand
0.678¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
1.813¢ per kWh for the first 100 hours use of maximum demand
0.630¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
1.537¢ per kWh for the first 100 hours use of maximum demand
0.509¢ per kWh for the excess

Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

Delivery Charges:

Distribution Charges:

For service at secondary voltage level (less than 4.8 kV)
2.686¢ per kWh for the first 100 hours use of maximum demand
2.686¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.207¢ per kWh for the first 100 hours use of maximum demand
1.207¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
0.342¢ per kWh for the first 100 hours use of maximum demand
0.342¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
0.133¢ per kWh for the first 100 hours use of maximum demand
0.133¢ per kWh for the excess

Substation Credit: Available to customers where service at sub-transmission voltage (24 kV to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of 0.3¢/kWh will be applied to the energy use associated with the first 100 hours use of maximum demand.

Surcharges and Credits: As approved by the Commission. See Section C9.8.
STANDARD CONTRACT RIDER NO. 1.1 (Contd.)  ALTERNATIVE ELECTRIC METAL MELTING

LATE PAYMENT CHARGE: See Section C4.8.

MAXIMUM DEMAND: The maximum demand shall be the highest 30-minute integrated demand created during the current billing month. This clause is applicable to each voltage level served.

MINIMUM CHARGES: 1) A monthly minimum charge of $2.10 per kW of contract capacity shall be applied to that portion of the customer's load which is served under this rider. This minimum charge will be waived if the customer over the past 12 months (including the current bill), or from the start of the contract term if less than 12 months, has averaged $2.10 per kW per month in revenues. This minimum charge is in addition to the minimum charge under the above rates, plus; 2) any applicable per meter per month surcharges.

POWER FACTOR CLAUSE (Retail Access Service Customers Only): A power factor of less than 70% is not permitted and necessary corrective equipment must be installed by the Customer to correct to a minimum level of 70%. Power factor and excess Reactive Demand charges will be calculated at each Customer location at the time of the Location’s single highest 30-minute integrated kW reading of the Interval Demand Meter during the on-peak hours of the billing period, which are those hours from 7 a.m. until 11 p.m. consistent with the ITC Open Access Transmission Tariff. Excess Reactive Demand is any Reactive Demand resulting from operations below 80% power factor. A monthly charge of $3.50/kVAR will be applied to excess Reactive Demand.

CONTRACT CAPACITY: Customers shall contract for a specified capacity in kilowatts sufficient to meet the normal maximum requirements of the load qualifying for service under this rider. Any single reading of the demand meter in any month that exceeds the contract capacity then in effect shall become the new contract capacity. The contract capacity for this rider shall not be included in the contract capacity established for the filed rate which is used in conjunction with this rider.

SPECIAL TERMS AND CONDITIONS: The customer is responsible for all new facilities and lines required for service under this rider. Said facilities and lines must meet all Company standards. The Company at its option may install and own said facilities under the provisions of Standard Contract Rider No. 2.

TERM: One year under written contract and month-to-month thereafter.

Issued February 6, 2013  Effective for service rendered on and after October 20, 2009
N. A. Khouri  Vice President  Regulatory Affairs  Detroit, Michigan

Michigan Public Service Commission
February 13, 2013
Filed

STANDARD CONTRACT RIDER NO. 1.2 ELECTRIC PROCESS HEAT

APPLICABLE TO:
- General Service Rate Schedule Designation D3
- Large General Service Rate Schedule Designation D4
- Interruptible Supply Rate Schedule Designation D8
- Primary Supply Rate Schedule Designation D11

Customers using electric heat as an integral part of a manufacturing process, or electricity as an integral part of an anodizing, plating or coating process, and taking their supply at any of the above rates and who provide special circuits to accommodate separate metering may take service under this Rider subject to Section C4.4 - Choice of Rates.

This Rider is available only to customers who add new load on or after May 1, 1986 to engage in the above described processes and to customers served on R1.1 prior to May 1, 1986 and engaged in the above described processes.

Customers shall be subject to immediate interruption on short-term notice if necessary, in order to maintain system integrity. The customer shall be provided, whenever possible, notice in advance of probable interruption and estimated duration of interruption.

Non-Compliance Penalty: A customer who does not interrupt within one hour following a system integrity interruption order shall be billed at the rate of $50 per kW for the highest 30-minute kW demand created during the interruption period in addition to the prescribed monthly rate.

Electric energy from any facilities, other than the Company's, except for on-site generation installed prior to January 1, 1986, will be used to first reduce the sales on this rider. Standby service will not be billed at this rider, but must be taken under Riders No. 3, No. 5 or No. 6.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:
  Capacity
  Energy Charges:
  For service at secondary voltage level (less than 4.8 kV)
  \[2.498\text{¢ per kWh for the first 100 hours use of maximum demand}\]
  \[0.943\text{¢ per kWh for the excess}\]

  For service at primary voltage level (4.8 kV to 13.2 kV)
  \[1.857\text{¢ per kWh for the first 100 hours use of maximum demand}\]
  \[0.678\text{¢ per kWh for the excess}\]

  For service at primary voltage level (24 kV to 41.6 kV)
  \[1.813\text{¢ per kWh for the first 100 hours use of maximum demand}\]
  \[0.630\text{¢ per kWh for the excess}\]

(Continued on Sheet No. D-62.00)
STANDARD CONTRACT RIDER NO. 1.2 (Contd.)

ELECTRIC PROCESS HEAT

For service at transmission voltage level (120 kV and above)

1.537¢ per kWh for the first 100 hours use of maximum demand
0.509¢ per kWh for the excess

Non-Capacity Energy Charge: 4.515¢ per kWh for all kWh

Delivery Charges:

Distribution Charges:

For service at secondary voltage level (less than 4.8 kV)

2.686¢ per kWh for the first 100 hours use of maximum demand
2.686¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)

1.207¢ per kWh for the first 100 hours use of maximum demand
1.207¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)

0.342¢ per kWh for the first 100 hours use of maximum demand
0.342¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)

0.133¢ per kWh for the first 100 hours use of maximum demand
0.133¢ per kWh for the excess

Substation Credit: Available to customers where service at sub-transmission voltage (24 kV to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of 0.3¢/kWh will be applied to the energy use associated with the first 100 hours use of maximum demand.

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

Retail Access Service Customers:

Capacity (Only applicable to Retail Access Service Customers receiving Utility Capacity Service from DTE Electric)

Energy Charges:

For service at secondary voltage level (less than 4.8 kV)

2.498¢ per kWh for the first 100 hours use of maximum demand
0.943¢ per kWh for the excess

(Continued on Sheet No. D-63.00)
STANDARD CONTRACT RIDER NO. 1.2 (Contd.)

ELECTRIC PROCESS HEAT

Retail Access Service Customers:

For service at primary voltage level (4.8 kV to 13.2 kV)
1.857¢ per kWh for the first 100 hours use of maximum demand
0.678¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
1.813¢ per kWh for the first 100 hours use of maximum demand
0.630¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
1.537¢ per kWh for the first 100 hours use of maximum demand
0.509¢ per kWh for the excess

Capacity related surcharges and credits applicable to power supply, excluding PSCR, as approved by the Commission. See Section C8.5.

Delivery Charges:
Distribution Charges:
For service at secondary voltage level (less than 4.8 kV)
2.686¢ per kWh for the first 100 hours use of maximum demand
2.686¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.207¢ per kWh for the first 100 hours use of maximum demand
1.207¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
0.342¢ per kWh for the first 100 hours use of maximum demand
0.342¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
0.133¢ per kWh for the first 100 hours use of maximum demand
0.133¢ per kWh for the excess

Substation Credit: Available to customers where service at sub-transmission voltage (24 kV to 41.6 kV) or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of 0.3¢/kWh will be applied to the energy use associated with the first 100 hours use of maximum demand.

Surcharges and Credits: As approved by the Commission. See Section C9.8.

(Continued on Sheet No. D-64.00)
STANDARD CONTRACT RIDER NO. 1.2 (Contd.)

LATE PAYMENT CHARGE: See Section C4.8.

MAXIMUM DEMANDS: The maximum demand shall be the highest 30-minute integrated demand created during the current billing month. This clause is applicable to each voltage level served.

MINIMUM CHARGES: 1) A monthly minimum charge of $2.10 per kW of contract capacity shall be applied to that portion of the customer's load which is served under this rider. This minimum charge will be waived if the customer over the past 12 months (including the current bill), or from the start of the contract term if less than 12 months, has averaged $2.10 per kW per month in revenues. This minimum charge is in addition to the minimum charge under the above rates, plus; 2) any applicable per meter per month surcharges.

POWER FACTOR CLAUSE (Retail Access Service Customers Only): A power factor of less than 70% is not permitted and necessary corrective equipment must be installed by the Customer to correct to a minimum level of 70%. Power factor and excess Reactive Demand charges will be calculated at each Customer location at the time of the Location’s single highest 30-minute integrated kW reading of the Interval Demand Meter during the on-peak hours of the billing period, which are those hours from 7 a.m. until 11 p.m. consistent with the ITC Open Access Transmission Tariff. Excess Reactive Demand is any Reactive Demand resulting from operations below 80% power factor. A monthly charge of $3.50/kVAR will be applied to excess Reactive Demand.

CONTRACT CAPACITY: Customers shall contract for a specified capacity in kilowatts sufficient to meet the normal maximum requirements of the load qualifying for service under this rider. Any single reading of the demand meter in any month that exceeds the contract capacity then in effect shall become the new contract capacity. The contract capacity for this rider shall not be included in the contract capacity established for the filed rate which is used in conjunction with this rider.

SPECIAL TERMS AND CONDITIONS: The customer is responsible for all new facilities and lines required for service under this rider. Said facilities and lines must meet all Company standards. The Company at its option may install and own said facilities under the provisions of Standard Contract Rider No. 2.

TERM: One year under written contract and month-to-month thereafter.
STANDARD CONTRACT RIDER NO. 2

SPECIAL PURPOSE FACILITIES

APPLICABLE TO: All Filed Rates.

The Company is, from time to time, required to install special facilities to accommodate extraordinary requirements of the customers. This results in investment in facilities that are provided for the exclusive use of the specific customer and not available to the Company for general revenue purposes. Inasmuch as such installations do not provide the proportionality of revenue to investment available in the general case, the service supplied will be subject to the following conditions:

Where the customer requests:

1. A second source of power to supply redundant service.* The second source of power to customers served from the overhead distribution system will normally be supplied from the underground distribution system.

2. Special facilities for uses which, in the opinion of the Company, will be disturbing to the normally accepted quality of commercial power.

3. Oversized equipment.

4. Special facilities not otherwise covered under Section C6.1.

The special or additional facilities can be provided under two options.

**Option I:**

1. **Advance:**

   Prior to construction the customer will advance to the Company the total amount of the estimated construction costs.

2. **Refund:**

   (a) The Company will refund to the customer 40% of the additional annual revenue for each of the first five years of metered use. The refund, without interest, will be made one month after each full year of service. There will be no refunds for a second source of service supply or oversized equipment.

   (b) The customer will be entitled to an additional refund if there is additional utilization of the equipment by others within the first five years of service. The refund will be based on the additional annual revenue received, the portion of equipment utilized, and the time remaining to refund the original advance.

   (c) The refund cannot exceed the advance under any condition.

* Where Company policy prescribes two-line service, provisions of this rider will not apply.

(Continued from Sheet No. D-66.00)
STANDARD CONTRACT RIDER NO. 2 (Contd.) SPECIAL PURPOSE FACILITIES

Option I: (Contd.)

3. Service Charge:

There will be a monthly charge, upon the beginning of service, equal to one-half of one percent of the advance less any refund. This charge is required to cover property taxes, insurance and maintenance and is applicable as long as the service is used.

Option II:

1. Financing:

As an alternative to the customer advancing the total amount of the estimated construction costs, the Company may finance the special or additional facilities. There would be a monthly service charge (or in special cases a minimum charge, the application of which would be determined by the Company) of 1-1/2% of the investment in the special or additional facilities.

2. Adjustment:

(a) At the end of each year during the first five years the investment base will be reduced by 40% of the additional annual revenue from the metered use with an adjustment in the service charge. There will be no reduction in investment base or adjustment to the service charge for a second source of service supply or oversize equipment.

(b) If there is additional utilization by others of the lines or equipment during the first five years, there will be an adjustment to the investment base and service charge based on the prorata capacity used by others.

CONTRACT TERM: The rate for service is revised by this rider modifying the contract form prescribed for one of the applicable filed rates. The contract term as to special charge is for a five year period extending thereafter from month to month until terminated by mutual consent or by thirty days' notice by either party, which may be given any time after the end of the fifth year.
STANDARD CONTRACT RIDER NO. 3 PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

This rider provides the terms and conditions of standby and supplemental service to customers operating on-site generation. The rate distinguishes the form of service provided as either standby service or supplemental service. Standby service is generally defined as capacity and energy service provided by the Company to serve customer load that is normally served by the customer’s generator. Supplemental service is generally defined as capacity and energy service provided by the Company to serve customer load above their standby service requirements. The point of separation between standby and supplemental service is based on the customer’s standby contract capacity for the facility, measured in kW. Any service provided by the Company up to and including the standby contract capacity level is standby service, and any service provided above the standby contract capacity level is supplemental service. Modeling standby and supplemental rate impacts is dependant on several factors including customer load profile and type of generator(s) and other considerations. The Company provides rate impact studies for customers considering on-site generation in addition to online resources and answers to frequently asked questions.

There are two categories of standby service provided under this rider for customers operating on site generation, “STANDBY SERVICE” AND “STATION POWER STANDBY SERVICE”. STANDBY SERVICE applies to customers with generation facilities that are located within the Company’s retail service territory and directly interconnected with the Company. STATION POWER STANDBY SERVICE applies to customers with generation facilities that are located within the Company’s retail service territory and that are directly interconnected to ITC Transmission. For customers exporting power from their facility, the customer’s generation must, at all times, first serve their standby load requirements contracted under this tariff.

STANDBY SERVICE

STANDBY SERVICE: Available to customers with generation facilities that are located within the Company’s retail service territory and directly interconnected with the Company. Customers who desire the Company to serve the power supply requirements of load that is normally served by the customer’s generator or prime mover must take standby service under the provisions of this rider unless otherwise exempted by order of the Michigan Public Service Commission or by the provisions set forth below and must take supplemental service on one of the applicable filed rates listed below.

Customers purchasing their entire energy requirements from the Company with generators or prime movers installed for use only in emergency will not be considered as taking standby service.

Customers with generators or prime movers installed solely for use to provide a load for testing equipment such as regenerative dynamometers may elect not to purchase standby energy service for that equipment under this rider, must meet the applicable parallel operation requirement, must purchase power that would, absent this provision, be considered standby on another rate schedule and must take standby for any additional generating equipment normally serving site load.

Customers with solar self-generating projects and taking service under a tariff with demand based distribution charges may elect not to purchase standby energy service for that equipment under this rider, must meet the applicable parallel operation requirements, must purchase power that would, absent this provision, be considered standby on another rate schedule and must take standby for any additional generating equipment normally serving site load.

(Continued on Sheet No. D-68.00)
STANDARD CONTRACT RIDER NO. 3 (Contd.) PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

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PARALLEL OPERATION: The customer must meet the interconnection requirements of the Company specified in "The Michigan Electric Utility Generator Interconnection Requirements” as approved by the Commission, and must enter into an Interconnection and Operating Agreement with the Company before parallel operation will be permitted. Operating in parallel with the Company's system without written approval by the Company of the interconnection and any subsequent changes to the interconnection will make the customer subject to disconnection.

INDEMNIFICATION AND INSURANCE: Except for the acts or omissions of the Company's employees or agents which occur on the Customer's side of the point of interconnection the customer shall indemnify, defend and hold harmless from any liabilities, claims, losses, demands, costs, damages or damage which (i) occur on the Customer's side of the point of interconnection resulting from the installation, maintenance, possession or operation of the Facility, or (ii) occur on the Company's side of the point of interconnection up to the first point of the Company's General Facility Protection if at the time of the injury or damage, the Company is not providing electric energy to the customer and the injury or damage was caused by the customer's intentional defeat of the protective relays.

The Company shall indemnify, defend and hold the Customer and its officers, agents and employees harmless from any liabilities, claims, losses, demands, costs, damages or judgment arising out of all personal injuries or property damages which occur on the Company's side of the point of interconnection resulting from the installation, maintenance, possession or operation of the Company's General Facilities; (i) except for the acts or omissions of the Customer's employees or agents which occur on the Company's side of the point of interconnection; and (ii) except for those injuries or damages for which the Customer is to indemnify the Company pursuant to the preceding paragraph.

The Customer taking service under this rider shall maintain and furnish current evidence of comprehensive general liability insurance in the amount of $2,500,000 per occurrence. This insurance can be a combination of primary and excess insurance. The Company shall be named as an additional insured under the customer's policy. The customer need not provide insurance if it can demonstrate that its Tangible Net Worth as defined by GAAP is $8,000,000 or more and provides an affidavit to that effect signed by an authorized agent of the Company. If the customer fails to provide insurance or does not meet the requirements of the preceding sentence for waiver of insurance, then the Company will purchase insurance in the amount of $2,500,000 to protect the Company (but not the customer). The cost of such insurance will be paid by the customer. The customer’s insurance, its waiver,

(Continued on Sheet No. D-69.00)
STANDARD CONTRACT RIDER NO. 3 (Contd.) PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

INDEMNIFICATION AND INSURANCE (contd):

or insurance purchased by the Company shall not limit the Customer's indemnity obligations. Parallel operation will not be permitted (or will be terminated) if the Customer fails to provide insurance, meet the waiver requirements or pay the cost of insurance obtained by the Company.

METERING REQUIREMENTS: All customers taking service under this rider must install the necessary equipment to permit metering. The Company will supply the metering equipment. The output of customer generation or, if appropriate, the load served by another source of power or the customer's prime mover, inflow from the Company and outflow to the Company if applicable will all be metered with demand-recording equipment by the Company.

DEFINITIONS:

STANDBY CONTRACT CAPACITY: Standby contract capacity in kW will be established for electric capacity sufficient to meet the customer's standby load. Unit sizes, number of units, site demands, operating characteristics and other factors impact the amount of electric capacity that is sufficient to meet the customer's standby load. Standby contract capacity will be established according to one of the following methods with the intent to use the method which best determines the electric capacity sufficient to meet the customer's standby load.

(a) If the customer's generating units are electrically base loaded during peak hours the standby contract capacity for billing months that include periods from calendar months June through October will be set at the 1001st highest half-hourly kW output toward internal load during billing months that include periods from calendar months June through October over the latest 12-month period. The standby contract capacity for remaining billing months will be set at the 1001st highest half-hourly kW output during those months over the latest 12-month period. The standby contract capacity will be adjusted on an ongoing basis reflecting the current month and preceding eleven months.

“output toward internal load” means the simultaneous output of all units less excess generation flowing back through the interconnection to the Company’s system.

(b) If the customer's generating units are operated with the intent to provide energy to the system and standby is only required for site load during outages the standby contract capacity will be set at the maximum half-hourly demand provided to the facility.

(c) For customers with units that do not operate in parallel with the system but have the ability to connect load normally served by unmetered on site generation to the system during generation outages, (throw over standby), the standby contract capacity will be set at the maximum metered half-hourly demand thrown over to the system and supplemental demand will the metered inflow less the metered throw over load.

(d) For customers demonstrating unusual operating conditions, including but not limited to initial unit operation, unpredictable generation from renewable resource units or generation that follows thermal load and prolonged periods with no generation, standby contract capacity may be set by mutual agreement of the Company and the customer to levels sufficient to meet the customer's standby load.

(Continued on Sheet No. D-70.00)
STANDARD CONTRACT RIDER NO. 3 (Contd.) PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

DEFINITIONS (contd):

STANDBY POWER: Standby energy is electric energy provided by the Company to serve the customer’s total internal load which would have been provided by the customer’s generation had it operated at its contract capacity. Standby demand is electric capacity provided by the Company to serve the customer’s total internal load which would have been provided by the customer’s generation had it operated at its contract capacity less any reduction the customer can accomplish by reducing the supplemental demand at the time of the daily on-peak standby demand below the maximum monthly on peak supplemental demand but not less than zero.

SUPPLEMENTAL POWER: Supplemental power is electric energy and capacity provided by the Company to serve the customer's total internal load which is in addition to that portion of the customer's total internal load equal to the standby contract capacity. For each point of service, total internal load equals the output toward internal load of the customer's generation plus the power supplied by the Company. Supplemental demand equals total internal load less standby contract capacity, but not less than zero. Supplemental high on-peak demand used to establish Power Supply Demand will be highest supplemental demand from the dates and times at which the daily on-peak standby demands are set. Supplemental power will be billed under the applicable rate schedule for supplemental service ("supplemental rate schedule").

GENERATION RESERVATION FEE: Charge to recover costs of the company having generating resources available to serve load that is normally served by the customer's generator.

DAILY DEMAND CHARGE: A daily on-peak standby demand charge based on the determination of standby power coincident with the daily highest 30-minute integrated reading during on-peak hours of the demand meters which measure the total load served by the Company. Standby demand equals standby contract capacity minus the 30-minute output toward internal load of the customer's generator less any reduction the customer can accomplish by reducing the supplemental demand below the maximum monthly on peak supplemental demand, but not less than zero, and not greater than the total load served by the Company. There are two daily demand charge rates, one for daily demands occurring during scheduled maintenance periods and one for daily demands occurring during periods other than maintenance periods.

MAINTENANCE PERIODS: A customer may specify, subject to conditions below set by the Company, up to 20 on-peak days during a year as maintenance days. In addition standby daily demands on the day after Thanksgiving and on-peak days occurring during the period from December 24 through January 1 will be priced at the maintenance day rate specified above. A maintenance day is a calendar 24-hour day.

Conditions for setting maintenance days:

(a) The customer must request maintenance days in writing.

(b) The Company must receive the request at least 45 days before the first requested maintenance day.

(c) Requests will be honored according to the date received.

(d) Requests may be refused by the Company if they conflict with the Company’s own schedule of maintenance and expected demands. The Company will permit the customer to select alternative maintenance days.

(Continued on Sheet No. D-71.00)
STANDARD CONTRACT RIDER NO. 3 (Contd.) PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

DEFINITIONS (contd):

MAINTENANCE PERIODS (contd):

(e) If there is a substantial change in circumstances which make the agreed upon schedule impractical for either party, the other party upon request shall make reasonable efforts to adjust the schedule in a manner that is mutually agreeable.

WAIVERS AND LIMITS FOR GENERATION RESERVATION FEE AND DAILY DEMAND CHARGES:
For customers taking supplemental service on rate schedules D4, D11, D6.2 or D8, the following waivers apply:

If the total of daily demand charges for the month is less than the monthly generation reservation fee, then the daily demand charges will be waived for that month.

If the total of daily demand charges for the month is greater than the monthly generation reservation fee, then the generation reservation fee will be waived for that month.

Waivers and limits for energy-only rates:
For customers taking supplemental service on energy-only rates for the entire billing cycle, schedules D3, or D3.3, the following applies.

If the total of daily demand charges for the month is less than the monthly generation reservation fee, then the daily demand charges will be waived for that month.

If the total of daily demand charges for the month is greater than the monthly generation reservation fee, then the daily demand charges will be waived for that month provided that the supplemental rate continues as an energy-only rate. If not, then the total of daily demand charges for the month will be charged and the generation reservation fee for the month will be waived.

RATES:

Power Supply Charges:
Capacity
Monthly Generation Reservation Fee:
$0.45 times the standby contract capacity in kW, per month.

The daily on-peak backup demand charge is $1.23 per kW per day during periods other than maintenance periods as defined below.

The daily on-peak backup demand charge is $0.62 per kW per day during maintenance periods as defined below.

Issued June 4, 2019
D. M. Stanczak
Vice President
Regulatory Affairs
Detroit, Michigan

Michigan Public Service Commission
Commission

Filed: D8R

Effective for service rendered on and after May 9, 2019
Issued under authority of the Michigan Public Service Commission dated May 2, 2019
in Case No. U-20162
STANDARD CONTRACT RIDER NO. 3 (Contd.) PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

RATES (contd):

Energy Charge:
For customers served on supplemental rate schedules D3, D3.2 and D3.3, the energy charge will be the applicable power supply energy charge specified in the customer's supplemental rate.

The energy as stated herein, is also subject to provisions of the PSCR clause and other Surcharges and Credits Applicable to Power Supply as approved by the Commission. See Section C8.5.

Non-Capacity

Monthly Generation Reservation Fee:
$0.17 times the standby contract capacity in kW, per month.

The daily on-peak backup demand charge is $0.47 per kW per day during periods other than maintenance periods as defined below.

The daily on-peak backup demand charge is $0.23 per kW per day during maintenance periods as defined below.

Energy Charge:
An energy charge for back-up and maintenance power will be charged based on standby contract capacity less the output toward internal load of the customer's generator, but not less than zero. For customers served on supplemental rate schedules D4, D11, D6.2 and D8, the energy charge will be 4.339¢ per kWh, plus appropriate power supply credits, including but not limited to an off-peak credit of 1.00¢ per kWh, and voltage level credits of 0.119¢ per kWh for subtransmission and 0.201¢ per kWh for transmission. For customers served on supplemental rate schedules D3, D3.2 and D3.3, the energy charge will be the applicable power supply energy charge specified in the customer's supplemental rate.

The energy as stated herein, is also subject to provisions of the PSCR clause and other Surcharges and Credits Applicable to Power Supply as approved by the Commission. See Section C8.5.

Delivery Charges:

Service Charge:
$53.52 per customer per month for customers served at primary voltage.
$375 per customer per month for customers served above primary voltage.
$95 per customer per month for customers served at secondary voltages.

Distribution Charge:
Distribution charges will be as follows:
$4.07 per kW at primary voltage applied to the standby contract capacity
$1.46 per kW at subtransmission voltage applied to the standby contract capacity
$0.65 per kW at transmission voltage applied to the standby contract capacity

(Continued on Sheet No. D-73.00)
STANDARD CONTRACT RIDER NO. 3 (Contd.)  PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

RATES (contd):

Distribution Charge:
For service provided in conjunction with a secondary voltage base rate the Delivery Charge will be the greater of $9.66 per kW applied to standby contract capacity or 3.866¢/kWh applied to all standby energy delivered.

Substation Credit: Available to customers served at subtransmission voltage level (24 to 41.6 kW) or higher who provide the on-site substation including all necessary transforming, controlling, and protective equipment. A credit of $0.30 per kW shall be applied to the distribution demand charge per kW of standby capacity. An additional credit of 0.040¢ per kWh of standby delivered will be given where the service is metered on the high voltage side of the transformer.

Surcharges and Credits Applicable to Delivery Service: As approved by the Commission. See Section C9.8.

ADJUSTMENT OF PRIOR RATCHETS: When a customer takes standby service under Rider No. 3, the setting or the increasing or decreasing of standby contract capacity will affect the existing ratchet levels on the supplemental rate as follows:

(a) An amount in kW equal to the initial standby contract capacity (or to the increase or decrease) will be subtracted from (or subtracted from or added to) the existing ratcheted maximum demand level for customers on supplemental rates D6.2 and D8 and D11.

(b) An amount in kW equal to 65% of the initial standby contract capacity (or of the increase or decrease) will be subtracted from (or subtracted from or added to) the existing ratcheted on-peak billing demand level for customers on supplemental rates D4, D6.2 and D8 and D11.

LATE PAYMENT CHARGE: See Section C4.8.

SCHEDULE OF ON-PeAK HOURS: See Section C11.

POWER FACTOR CLAUSE: The rates and charges under this tariff are based on the customer maintaining a power factor of not less than 85% lagging. Customers are responsible for correcting power factors less than 70% at their own expense. The size, type and location of any power factor correction equipment must be approved by the Company. Such approval will not be unreasonably withheld. A penalty will be applied to the total amount of the monthly billing for supplemental and standby service for power factor below 85% lagging in accordance with the table in Power Factor Determination, Section C12. The penalty will not be applied to the on-peak billing demand ratchet nor to the minimum contract demand of the supplemental rate, but will be applied to metered quantities.

(Continued on Sheet No. D-73.01)
STANDARD CONTRACT RIDER NO. 3  (Contd.)  PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

INTERRUPTIBLE STANDBY SERVICE:

(a) Interruptible standby service is supplied in conjunction with supplemental rates D8 and D3.3, provided that the customer qualifies for D8 or D3.3 under the provisions of the respective rates.

(b) For customers taking service on supplemental rate D8, the daily demand charge for back-up power and maintenance power will be waived on a day that the Company requests interruption, provided that the customer is assessed neither a non-interruption fee nor a non-interruption penalty under the terms of the D8 rates.

(c) For customers taking service on supplemental rate D3.3, the customer's generator, prime mover, or other source of energy must be connected only to the interruptible circuit. The energy charge for back-up power and maintenance power will be the same as the energy charge for the D3.3 rate. The daily demand charge will be waived on a day that the Company interrupts the circuit.

(d) Interruptible standby service will also be supplied in conjunction with any new interruptible supplemental rates approved by the Commission after January 1, 1989, under terms to be incorporated in this section.

SPECIAL TERMS AND CONDITIONS: Customer-owned equipment must be operated so that voltage fluctuations on the Company’s system shall not exceed permissible limits.

Upon the request of a customer, the Company will provide monthly reports of the data from the meters measuring the load served by the Company and the output of the customer’s generators, for a charge of $10.00 per report per month. Each report contains data from one meter.

Application of Rider No. 2 for redundant service for customers served under this rider will be the same as for customers without generating equipment.

Service under this rider will not be affected by ownership of the generation facility provided that: (1) the generation facility is located on the customer’s site, (2) the load served by the generation facility is on the same site, and (3) the total output of the generation facility is utilized by the customer or sold to the Company.

CONTRACT TERM: The contract term is for a five-year period unless terminated by mutual consent and extending thereafter from month to month until terminated by mutual consent or by thirty day's written notice by either party.

DISPUTE RESOLUTION PROCEDURE: Any customer who disputes a determination or interpretation made by the Company under this rider may deliver a written notice of such dispute to the customer's service representative at the Company. The Company will respond to the notice in writing within 20 working days.

Disputes between the Company and the customer may be presented to the Commission for informal resolution.

Any customer who disputes a determination made by the Company under this rider may at any time file a formal complaint with the Office of the Secretary of the Commission.
STANDARD CONTRACT RIDER NO. 3 (Contd.) PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

STATION POWER STANDBY SERVICE

SERVICE UNDER THIS PROVISION BECOMES EFFECTIVE APRIL 1, 2014

STATION POWER STANDBY SERVICE: Available to customers with generation facilities that are located within the Company’s retail service territory and that are interconnected to ITC Transmission. The power supply requirements necessary to maintain and operate the generating facility that are normally served by the facility’s on-site generation but which instead are provided by the facility’s taking power through its transmission interconnection must be provided under the station Power Standby Service provisions of this rider.

APPLICABLE TO: General Service Rate Schedule Designation D3

HOURS OF SERVICE: 24 hours, subject to interruption by agreement, or by advance notice.

CONTRACT CAPACITY: Customers shall initially contract for a specified capacity in kilowatts sufficient to meet expected maximum requirements. Any single reading of the demand meter or aggregation of demand meters recording inflow to the facility in any month that exceeds the contract capacity then in effect shall become the new contract capacity.

METERING REQUIREMENTS: All customers taking service under this rider must install the necessary equipment to permit metering. The Company will supply the metering equipment. Service to the customer under this Rider will be metered with demand-recording equipment. Any equipment installed by the customer necessary to accommodate the Company’s metering equipment must be approved by the Company and must be compatible with the Company’s Meter Data Acquisition System.

RATES:

Power Supply:
   Non-Capacity
   Station Power Energy Service will be priced on the basis of the real time MISO locational hourly marginal energy price for the Company-appropriate load node. In addition to the MISO locational hourly marginal energy price the following charges will also apply:

   0.736¢/kWh for MISO network transmission costs and MISO energy market costs plus,
   An administrative charge of 1.665¢/kWh plus,
   Surcharges and Credits Applicable to Power Supply, excluding PSCR, as approved by the Commission. See Section C8.5

Service Charge:
   Primary Service Charge: $53.52 per month
   Subtransmission and Transmission Service Charge: $375 per month

(Continued on Sheet No. D-73.03)
STANDARD CONTRACT RIDER NO. 3 (Contd.)  PARALLEL OPERATION AND STANDBY SERVICE AND STATION POWER STANDBY SERVICE

LATE PAYMENT CHARGE:  See Section C4.8

CONTRACT TERM:  The contract term is from month to month until terminated by mutual consent or on one month written notice by either party.
HOLD FOR FUTURE USE

Issued December 30, 2013
N. A. Khouri
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after January 5, 2014

Issued under authority of the
Michigan Public Service Commission
dated December 6, 2013 in Case No. U-17251
STANDARD CONTRACT RIDER NO. 4  

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Electricity supplied to a customer is for his exclusive use on the premises to which it is delivered by the Company. Customers desiring to resell electric service to their tenants must secure authority from the Company which will be evidenced by a rider attached to the contract for service. Resale option is closed to new service or expanded service for resale for residential service as of March 31, 1979. 

Neither the resale of electric services provided by DTE Electric Company nor the sale of self-generation at publicly available electric vehicle charging stations is subject to Commission regulation and no restrictions are imposed on the rate charged or rate structure to the ultimate motor vehicle customer, as those sales are being made into the competitive motor fuels market. For purposes of this tariff, the provision of electric vehicle charging service for which there is no direct per kWh charge shall not be considered resale of service.

If the reselling customer elects to take service under the DTE Electric Retail Access Service Tariff, the ultimate user (residential, commercial or industrial customer) shall be served and charged for such service under the Retail Access Service Tariff in the Company’s rate schedule available for similar services under like conditions.

The reselling customer shall provide notice to tenants of the decision to obtain electric service pursuant to the Retail Access Service Tariff and that as a result power supply charges are no longer regulated by the Commission.

MULTIPLE OCCUPANCY BUILDINGS:

The owner or operator of an office building, apartment building, etc., with at least thirty tenants (or less at the option of the Company where extensions of the Company service to the individual tenants is impractical) whose combined requirements regularly exceed 20,000 kilowatthours per month, may purchase electric energy from the Company for resale to the tenants of the building on condition that service to each tenant shall be separately metered, and that the tenants shall be charged for such service the current rate of the Company for similar service under like conditions.

No landlord may charge his tenants more nor less for resold electric service purchased from the Company than the tenants would be charged by the Company if served directly. If this requirement is violated, the Company may refuse service to the building. The renting of premises with the cost of electric service included in the rental is held not to be a resale of service. The Company does not furnish nor maintain meters for the resale of energy by landlords to tenants.

MOBILE HOME PARKS:

In some cases it is not practical for the Company to furnish service directly to individual mobile homes in mobile home parks. Because of this, the park operators may purchase electric energy from the Company for resale to tenants, provided that service to each tenant buying energy shall be separately metered and billed at the Company's Residential Service Rate.

(Continued on Sheet No. D-77.00)
STANDARD CONTRACT RIDER NO. 4 (Contd.)

RESALE OF SERVICE

The Operator shall provide the distribution system in the park and meters acceptable to the Company suitably protected from the weather. The Operator may purchase meters from the Company when available, or from a vendor other than the Company.

If an Operator resells energy without complying with the above provisions, the Company may refuse service to him.

CONTRACT TERM: The customer may take service at any applicable filed rate listed above but he will be required to sign a rider modifying the contract form prescribed for one of the applicable filed rates.

The service contract shall provide that each ultimate user's billing shall be audited once every nine (9) to fifteen (15) months. At the option of the reselling customer, the audit will be conducted either by the Company or by an independent auditing firm, approved by the Company. The reselling customer will be assessed a reasonable fee for an audit conducted by the Company. Where the audit is conducted by an independent auditing firm, a certified copy of the results of such audit shall be immediately submitted to the Company in a form approved by the Company.

The service contract shall also provide that the reselling customer will be responsible for the testing of the ultimate user's meters at least once every three (3) years, and that the accuracy of such meters be maintained within the limits as prescribed in Commission Order No. U-6400. Meters shall be tested only by outside testing services or laboratories approved by the Company and a certified copy of all testing results shall be immediately submitted to the Company.

A record of each meter, including testing results, shall be kept by the reselling customer during his use of the meter and for an additional period of one year thereafter. When requested, the reselling customer shall submit certified copies of said test results to the Company.

The reselling customer shall supply each of his ultimate users with an electrical system adequate to meet the needs of the ultimate user with respect to the nature of service, voltage level, and other conditions of service. The customer who resells his power at Residential Rates shall receive a 15% discount on the resale portion of his bills, provided the reselling customer complies with the terms of Standard Contract Rider No. 4. Such discount shall cover the periods for which the customer provides positive evidence of compliance. The 15% discount does not apply to customers taking service under the Retail Access Service Tariff.

If the reselling customer fails to meet his obligations under this rule, the Company shall immediately notify the Commission Staff. If, after review with the reselling customer, the problem is not resolved, the Company will discontinue electric service until such time as the problem is resolved. The Company shall not incur any liability as the result of this discontinuance of electric service.

Issued February 6, 2013
N. A. Khouri
Vice President
Regulatory Affairs

Michigan Public Service Commission

February 13, 2013

Filed RL

Effective for service rendered on and after October 10, 2007

Issued under authority of the Michigan Public Service Commission dated October 9, 2007 in Case No. U-15152

Detroit, Michigan
STANDARD CONTRACT RIDER NO. 5

AVAILABILITY: Customers who employ cogeneration technology as an energy source and sell electric output of their cogeneration facility to the Company may receive service under the filed rates and applicable riders:

General Service Rate
Secondary Educational Institution Rate Schedule Designation D3
Interruptible General Service Rate Schedule Designation D3.2
Large General Service Rate Schedule Designation D3.3
Primary Supply Rate Schedule Designation D4
Primary Educational Institution Rate Schedule Designation D6.2
Interruptible Supply Rate Schedule Designation D8

This rate is available only to customers who obtain qualifying status from the Federal Energy Regulatory Commission. Prior to interconnection, the customer shall provide a copy of such notification to the Company.

CHARACTER OF SERVICE:

A Sales to customers:
1. As specified under the applicable rate.

B Sales by the Customer to the Company:
1. As specified under contractual agreement.

C The customer shall install, at his expense, the necessary controlling, additional metering and protective equipment according to specifications of the Company. The Company shall not be liable for damage to customer-owned equipment caused by the interconnection.

D Billing for both sales to and sales from the customer will be calculated by the Company.

RATE:

A Sales to Customers:
1. As specified under the applicable filed rate.

B Sales by the Customer to the Company:
1. New Facilities:
   a. Energy Sales: The rate will be based on the forecasted average incremental cost of energy. The rates will recognize time-of-day price variations based on a weekly forecast.

(Continued on Sheet No. D-79.00)
STANDARD CONTRACT RIDER NO. 5 (Contd.)

b. Capacity and Energy Sales: The rate will be based on the combined capacity and energy costs of the Belle River Power Plant, adjusted to reflect the effects of inflation between the in-service date of the cogeneration facility and the in-service date of the Belle River Power Plant. This rate, so determined, will be adjusted to be reflective of the forecasted capacity factor, availability, operating schedule and the ability of the Company to dispatch the said cogeneration unit. The rate so determined will apply to facilities with a capacity of 100 kW or less. The rate for facilities having a capacity of over 100 kW will be made under negotiated agreement.

2. Old Facilities:

a. Energy Sales: The rate will be based on the forecasted average incremental cost of energy. The rate will recognize time-of-day variations based on a weekly forecast.

b. Capacity and Energy Sales: No recognition will be made for capacity installed before November 1978 unless substantial proof is shown that the generator and protective equipment is new or equivalent to new. Refurnishing old equipment will not qualify the facility as new capacity.

3. A one mill per kilowatthour charge shall be assessed to all customers on this rate to offset the Company's additional administrative expenses associated with these transactions.

SPECIAL PROVISIONS AND CONDITIONS:

A Cogeneration Capacity Sales to the Company:

1. Cogeneration Planned Maintenance: Annually the customer shall supply the Company with a schedule of all planned outages for the year in question. The customer and the Company shall agree to a maintenance schedule of mutual benefit.

2. Contract Capacity: The contract must specify the minimum and maximum kW capacity available to the utility from the cogeneration facility under normal operating conditions.

3. Availability: The customer shall supply the Company with a statement of the projected annual availability of the capacity stated in the Contract Capacity.

4. Capacity Factor: The customer shall supply the Company with a statement of the projected capacity factor and operating schedule for the cogeneration facility in question.

5. Failure of the cogeneration facility to operate at the level of performance forecasted by the customer shall result in the Company adjusting the capacity purchase price to reflect the demonstrated performance of the cogeneration facility in question.

(Continued on Sheet No. D-80.00)
STANDARD CONTRACT RIDER NO. 5 (Contd.)

B Maintenance or Back-up Capacity: Cogeneration customers desiring standby capacity for equipment failure or planned maintenance may contract with the Company the amount of standby capacity desired. The charge for the standby capacity will be calculated at the approved Standard Contract Rider No. 3 provision.

Optional Standby Rate: The customer may elect to pay for standby service at the following rate:

1. $0.60 per kW per day, plus
2. The incremental energy cost associated with the energy to service the capacity, plus
3. Full payment of the maximum demand charge in the rate the customer takes service

DEFINITIONS:

1. Cogeneration Technology: The sequential use of steam, exhaust steam or waste steam for the generation of electricity. The overall thermal efficiency of the cogeneration facility must always be in excess of 45%.

2. New Facility: Construction of new or additional capacity which commenced on or after November 9, 1978.


4. Average Incremental Energy Cost: The cost of a block of energy of varying size which is normally made up of the most expensive resources, either purchased or generated, to serve firm customer load. The size of the varying block depends upon the amount of energy available from qualified facilities.
STANDARD CONTRACT RIDER NO. 6

SMALL POWER PRODUCING FACILITIES

AVAILABILITY: Customers who develop small power producing facilities and sell electric output from their facility to the Company may receive service under the filed rates and applicable riders:

- Residential Service Rate Schedule Designation D1
- Residential Space Heating Rate Schedule Designation D2
- General Service Rate Schedule Designation D3
- Secondary Educational Institution Rate Schedule Designation D3.2
- Interruptible General Service Rate Schedule Designation D3.3
- Large General Service Rate Schedule Designation D4
- Primary Supply Rate Schedule Designation D11
- Primary Educational Institution Rate Schedule Designation D6.2
- Interruptible Supply Rate Schedule Designation D8

This rate is available only to customers who obtain qualifying status from the Federal Energy Regulatory Commission. Prior to interconnection, the customer shall provide a copy of such notification to the Company.

CHARACTER OF SERVICE:

A Sales to Customers:

1. As specified under the applicable rate.

B Sales by the Customer to the Company:

1. As specified under contractual agreement.

C The customer shall install, at his expense, the necessary controlling, additional metering and protective equipment according to specifications of the Company. The Company shall not be liable for damage to customer-owned equipment caused by the interconnection.

D Billing for both sales to and sales from the customer will be calculated by the Company.

RATE:

A Sales to Customers:

1. As specified under the applicable filed rate.

B Sales by the Customer to the Company:

1. New Facilities:

   a. Energy Sales: The rate will be based on the forecasted average incremental cost of energy. The rates will recognize time-of-day price variations based on a weekly forecast.

(Continued on Sheet No. D-82.00)
b. Capacity and Energy Sales: The rate will be based on the combined capacity and energy costs of the Belle River Power Plant adjusted to reflect the effects of inflation between the in-service date of the cogeneration facility and the in-service date of the Belle River Power Plant. The rate so determined will be adjusted to be reflective of the forecasted capacity, availability, operating schedule and the ability of the Company to dispatch the said small power producing facility. The rate so determined will apply to facilities with a capacity of 100 kW or less. The rate for facilities having a capacity of over 100 kW will be made under negotiated agreement.

2. Old Facilities:
   a. Energy Sales: The rate will be based on the forecasted average incremental cost of energy. The rate will recognize time-of-day variations based on a weekly forecast.
   b. Capacity and Energy Sales: No recognition will be made in payment for capacity installed before November 1978 unless substantial proof is shown that the generator and protective equipment is new or equivalent to new. Refurbishing old equipment will not qualify the facility as new capacity.

3. A one mill per kilowatthour charge shall be assessed to all customers on this rate to offset the Company’s additional administrative expenses associated with these transactions.

SPECIAL PROVISIONS AND CONDITIONS:

A Small Power Producing Facility Capacity Sales to the Company:

1. Small Power Producing Facility Planned Maintenance: Annually the customer shall supply the Company with a schedule of all planned outages for the year in question. The customer and the Company shall agree to a maintenance schedule of mutual benefit.

2. Contract Capacity: The contract must specify the minimum and maximum kW capacity available to the utility from the small power producing facility under normal operating conditions.

3. Availability: The customer shall supply the Company with a statement of the projected annual availability of the capacity stated in the Contract Capacity.
STANDARD CONTRACT RIDER NO. 6  (Contd.)  SMALL POWER PRODUCING FACILITIES

4. Capacity Factor: The customer shall supply the Company with a statement of the projected capacity factor and operating schedule for the small power producing facility in question.

5. Failure of the small power producing facility to operate at the level of performance forecasted by the customer shall result in the Company adjusting the Capacity purchase price to reflect the demonstrated performance of the small power producing facility in question.

B Maintenance or Back-Up Capacity: Small power producing customers desiring standby capacity for equipment failure or planned maintenance may contract with the Company the amount of standby capacity desired. The charge for the standby capacity will be calculated at the approved Standard Contract Rider No. 3 Provision.

Optional Standby Rate: The customer may elect to pay for standby service at the following rate:

1. $0.60 per kW per day, plus

2. The incremental energy cost associated with the energy to service the capacity, plus

3. Full payment of the maximum demand charge in the rate the customer takes service.

DEFINITIONS:

1. Small Power Producing Facility: Produces electric energy solely by the use, as a primary energy source of biomass, waste, renewable resources, or any combination thereof and has a power production capability which together with any other facilities located at the same site is not greater than 80 MW.

2. New Facility: Construction of new or additional capacity which commenced on or after November 9, 1978.


4. Average Incremental Energy Cost: The cost of a block of energy of varying size which is normally made up of the most expensive resources, either purchased or generated, to serve firm customer load. The size of the varying block depends upon the amount of energy available from qualified facilities.
STANDARD CONTRACT RIDER NO. 7

APPLICABLE TO: General Service Rate Schedule Designation D3
Large General Service Rate Schedule Designation D4

Available on an optional basis to customers desiring high intensity discharge lighting service for greenhouses or other environmentally controlled growing facilities as a daylight supplement. All lighting on this rider shall be separately metered. The customer will furnish, install, own, and maintain all equipment comprising the lighting system. No other device may be connected to this circuit except for controls, lighting and associated equipment.

HOURS OF SERVICE: Dusk to dawn service for circuits controlled by photo-sensitive or clock timing devices.

CURRENT, PHASE AND VOLTAGE: Alternating current, 60 hertz, single phase, nominally at 120/240 volts, three-wire; or three-phase, four-wire, Y connected at 208Y/120 volts; or under certain conditions three-phase, four-wire, Y connected at 480Y/277 volts.

RATE PER MONTH:

**Full Service Customers:**

<table>
<thead>
<tr>
<th>Power Supply Charge:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity Energy Charge:</td>
<td>$1.884\text{¢} \text{ per kWh for all kWh}</td>
</tr>
<tr>
<td>Non-Capacity Energy Charge:</td>
<td>$2.651\text{¢} \text{ per kWh for all kWh}</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Delivery Charges:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Service Charge:</td>
<td>$1.95 \text{ per month}</td>
</tr>
<tr>
<td>Distribution Charge:</td>
<td>$3.347\text{¢} \text{ per kWh for all kWh}</td>
</tr>
</tbody>
</table>

**Surcharges and Credits:** As approved by the Commission. See Sections C8.5 and C9.8.

**Retail Access Service Customers:**

Power Supply Charge for Retail Access Service Customers taking Utility Capacity Service for DTE:

| Capacity Energy Charge: | $1.884\text{¢} \text{ per kWh for all kWh} |

**Delivery Charges:**

| Service Charge: | $1.95 \text{ per month} |
| Distribution Charge: | $3.347\text{¢} \text{ per kWh for all kWh} |

**Surcharges and Credits:** As approved by the Commission. See Section C9.8.

(Continued on Sheet No. D-85.00)
STANDARD CONTRACT RIDER NO. 7 (Contd.) GREENHOUSE LIGHTING SERVICE

BILLING: Billing will be on a monthly basis.

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge plus any applicable per meter per month surcharges.

CONTRACT TERM: The customer shall contract to remain on this rate for at least 12 months, terminable on three days’ written notice after the initial 12 months by either party. Where special services are required or where the investment to serve is out of proportion to the revenue obtainable therefrom, the term will be as specified in the applicable rider.

Issued February 6, 2013
N. A. Khouri
Vice President
Regulatory Affairs

Issued under authority of the Michigan Public Service Commission
dated August 25, 2009 in Case No. U-15806
and October 9, 2007 in Case No. U-15152

Effective for service rendered on and after October 20, 2009

February 13, 2013
Filed RL

Issued February 6, 2013
N. A. Khouri
Vice President
Regulatory Affairs

Detroit, Michigan
STANDARD CONTRACT RIDER NO. 8 COMMERCIAL SPACE HEATING

APPLICABLE TO: General Service Rate Schedule Designation D3
Large General Service Rate Schedule Designation D4

Available on an optional basis to customers desiring service for commercial space conditioning furnished through separately metered circuits to which no other device except electric space heating, water heating, air conditioning, or humidity control equipment may be connected and provided that all of the space heating must be either total electric or an electric heat pump supplemented by a fossil fuel furnace installed on a permanent basis. The customer must provide special circuits, the design and method of installation of which are approved by the Company as adapted to this service.

Electric space heating under the terms of this rider will be considered to include heating by light systems, provided the primary means of space heating at the time of maximum requirements will be furnished by the lighting system, with the balance furnished by supplementary electric heating equipment. After June 15, 1970, under the authority of the Commission in Case U-3189, service to facilities which heat by lighting is not available for premises not previously qualified for service hereunder.

RATE PER MONTH:

Full Service Customers:

Power Supply Charge:
Capacity Energy Charge: \$5.053\text{\textcent} per kWh for all kWh, except that during the billing months of November through May, usage in excess of 1,000 kWh per month shall be billed at \$1.676\text{\textcent} per kWh.

Non-Capacity Energy Charge: \$4.067\text{\textcent} per kWh

Delivery Charges:
Service Charge: \$11.25 per month
Distribution Charge: \$3.866\text{\textcent} per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8.

Retail Access Service Customers:

Power Supply Charge for Retail Access Service Customers taking Utility Capacity service from DTE:
Capacity Energy Charge: \$5.053\text{\textcent} per kWh for all kWh, except that during the billing months of November through May, usage in excess of 1,000 kWh per month shall be billed at \$1.676\text{\textcent} per kWh.

Delivery Charges:
Service Charge: \$11.25 per month
Distribution Charge: \$3.866 per kWh for all kWh

Surcharges and Credits: As approved by the Commission. See Section C9.8.

(Continued on Sheet No. D-87.00)
STANDARD CONTRACT RIDER NO. 8 (Contd.)

COMMERCIAL SPACE HEATING

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge plus any applicable per meter per month surcharges.

CONTRACT TERM: This rate is made effective by a rider modifying the contract form prescribed for one of the applicable filed rates listed above. The contract term is co-extensive with the contract term of the applicable filed rate under which service is being taken.

INSULATION STANDARDS FOR ELECTRIC HEATING: See Section C4.9.

OPTIONAL PROVISION FOR CERTAIN COMMON AREA ACCOUNTS: Electric heating and common area usage of apartment or condominium accounts supplied through a single meter and billed under the terms of the Domestic Space Heating Rate D2 prior to September 28, 1978 may be billed under this provision without the necessity of separate metering if an initial block of kilowatthours is billed at the current General Service Rate D3. This initial block of kilowatthours will be calculated each November by averaging the usage during the previous billing months of June through October.

Full Service Customers:

Usage in excess of the initial block of kilowatthours per month shall be billed at a power supply capacity charge of \(5.053\)¢ and a non-capacity charge of \(4.067\)¢ per kilowatthour during the billing months of June through October, and a capacity charge of \(1.676\)¢ and a non-capacity charge of \(4.067\)¢ per kilowatthour during the billing months of November through May. A Distribution charge of \(3.866\)¢ per kWh for all kWh shall also be applied. The only service charge to be billed to a customer utilizing this provision will be the D3 service charge.

Retail Access Service Customers:

Power Supply Charge for Retail Access Service Customers taking Utility Capacity Service from DTE:

For Retail Access customers taking capacity service from DTE, usage in excess of the initial block of kilowatthours per month shall be billed at a power supply capacity charge of \(5.053\)¢ per kilowatthour during the billing months of June through October, and a power supply capacity charge of \(1.676\)¢ per kilowatthour during the billing months of November through May.

For all retail access customers, usage in excess of the initial block of kilowatthours per month shall be billed a distribution charge of \(3.866\)¢ per kWh for all kWh.

SUPPLEMENTAL SPACE HEATING PROVISION: This provision is available to customers taking service under the General Service Rate D3 or the Large General Service Rate D4 who purchase energy for a minimum of 10 kW of supplemental, permanently installed, electric space heating equipment. To qualify for this provision, a customer must certify in writing the amount of permanently installed space heating equipment, subject to inspection at the option of the Company, and have the said equipment on separately metered circuits to which no other device is connected. Section C4.9, Insulation Standards for Electric Heating, will not apply to this provision.
These sheets have been cancelled and are reserved for future use

Issued September 16, 2014
D. M. Stanczak
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on and after October 6, 2013

Issued under authority of the Michigan Public Service Commission
dated January 25, 2010 in Case No. U-15768
and October 9, 2007 in Case U-15152
STANDARD CONTRACT RIDER NO. 10

AVAILABILITY OF SERVICE: Available to Primary Supply Rate (D11) customers desiring interruptible service for a total of not less than 50,000 kilowatts of contracted interruptible service at a single location. The total contracted interruptible capacity on this tariff is limited to 400,000 kilowatts. This rider is effective for service rendered on and after January 1, 1993.

The contracted interruptible capacity limit on this tariff shall be increased to 525,000 kilowatts in 1994 and 650,000 kilowatts in 1995. The increase shall apply to customers desiring interruptible service for a total of not less than 5,000 kilowatts of contracted interruptible service at a single location.

In the event the total contracted interruptible capacity is less than the approved limit specified above, the Company may offer the remaining capacity, to otherwise eligible customers willing to contract for less than the minimum contract capacity amounts specified above.

CURRENT, PHASE AND VOLTAGE: Alternating current, three-phase, nominally at 4,800, 13,200, 24,000, 41,570 or 120,000 volts at the option of the Company. For definition of customer voltage level, see Section C13.

CONDITIONS OF INTERRUPTION: The Company will notify the customer as to the amount of total load on this rider to be curtailed. This notification will be stated as a percentage of total load being supplied on this rider for the hour immediately preceding notification of interruption and will be the same percentage for all customers. Although actual load at time of interruption may vary from contract capacity, the total measured load on this rider shall be subject to curtailment by the Company.

The customer shall be provided, whenever possible, notice in advance (generally 1 hour) of probable interruption and the estimated duration of the interruption. The Company reserves the right to provide less than 1 hour's notice but not less than 10 minutes, if in the Company's sole determination such interruption is either desirable or necessary. Interruptions will be those necessary to maintain system integrity. Interruptions will be in accordance with procedures set forth in the Emergency Electrical Procedures Section C3.

If the customer fails to curtail load as requested, the Company reserves the right to interrupt the customer's total separately metered load on this rider, or total plant if not separately metered, and the customer will be billed at the rate of $50 per kW per instance applied to contract capacity.

In addition, the interruptible contract capacity of a customer who does not interrupt shall be immediately reduced by the amount by which the customer failed to interrupt, unless the customer demonstrates that failure to interrupt was beyond its control.

CONTRACT CAPACITY: Customers shall contract for a specified capacity in kilowatts sufficient to meet the customers' maximum interruptible requirements, but not less than the minimum contract capacity amounts, specified above. Demand/Energy in excess of the contracted load level will be billed under the applicable Primary Supply Rate. The contract capacity shall not be decreased during the term of the contract and subsequent renewal periods as long as service is required unless there is a specific reduction in connected load. Capacity disconnected from service under this rider shall not be subsequently served under any other tariff during the term of this contract and subsequent renewal periods.

(Continued on Sheet No. D-91.00)
INTERRUPTIBLE SUPPLY RIDER

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Non-Capacity: The Energy charge will be the real time MISO locational hourly marginal energy price for the DTE Electric-appropriate load node. In addition to the MISO locational hourly marginal energy price the following charges will also apply:

0.736¢/kWh for MISO network transmission costs and MISO energy market costs plus,
An administrative charge of 1.665¢/kWh plus,
A voltage level service adder of 1% for transmission, 2% for subtransmission and 7% for primary.

Delivery Charges:

<table>
<thead>
<tr>
<th>Service Charge</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Service Charge</td>
<td>$53.52 month</td>
</tr>
<tr>
<td>Subtransmission and Transmission Service Charge</td>
<td>$375 per month</td>
</tr>
</tbody>
</table>

Substation Credit: Available to customers who provide an on-site substation including all necessary transforming, controlling and protective equipment. A credit of $.30 per kW of maximum demand shall be applied to the maximum demand charge. A credit of .040¢ per kWh shall be applied to the energy charge where the service is metered on the primary side of the transformer.

Surcharges and Credits: As approved by the Commission. See Sections C8.5 and C9.8

(Continued on Sheet No. D-92.00)
STANDARD CONTRACT RIDER NO. 10 (Contd.)

Interruptible Supply Rider:

Retail Access Service Customers:

Delivery Charges:

- Primary Service Charge: $53.52 per month
- Subtransmission and Transmission Service Charge: $375 per month

Distribution Charges:
- For primary service (less than 24kV) $4.07 per kW of maximum demand
- For service at subtransmission voltage (24 to 41.6 kV) $1.46 per kW of maximum demand
- For service at transmission voltage (120 kV and above) $0.65 per kW of maximum demand.

Substation Credit: Available to customers where service at subtransmission voltage level or higher is required, who provide the on-site substation including all necessary transforming, controlling and protective equipment. A credit of $.30 per kW of maximum demand shall be applied to the maximum demand charge. A credit of .040¢ per kWh shall be applied to the energy charge where the service is metered on the primary side of the transformer.

Surcharges and Credits: As approved by the Commission. See Section C9.8.

Late Payment Charge: See Section C4.8.

Minimum Charge: The Service Charge plus the Maximum Demand Charge, plus all applicable energy charges plus any applicable per meter per month surcharge.

Maximum Demand: The maximum demand shall be the highest 30-minute demand created during the previous 12 billing months, including the current month but not less than 50% of the contract capacity. This clause is applicable to each voltage level served.

Power Factor Clause: Shall be the Power Factor Clause as defined in the Primary Supply Rate (D11).

Special Terms and Conditions: Customer-owned equipment must be operated so the voltage fluctuations on the primary distribution system of the Company shall not exceed permissible limits.

The customer will own and maintain the necessary equipment to separate the interruptible load from the firm power load. This equipment must meet the Company standards. The customer must also provide space for the separate metering of the interruptible load.

The interruptible load shall not be served from firm power circuits at any time. Violations of this provision will result in a charge of $50 per kilowatt per month applied to the interruptible load determined to have been served from firm power circuits.

(Continued on Sheet No. D-93.00)
STANDARD CONTRACT RIDER NO. 10 (Contd.)

INTERRUPTIBLE SUPPLY RIDER

SPECIAL TERMS AND CONDITIONS (contd):

In order to implement Company initiated interruptions, the Company shall install and maintain, at the customer's expense, any equipment necessary to permit the Company to control interruptions of the customer's load and any facilities necessary to transmit and receive information regarding hourly energy costs and real-time monitoring of the customer's load. The Company will conduct at least once a year a physical test of this equipment to verify that it is functioning properly. The customer is also required to provide the Company with an hourly schedule of expected customer loads. These hourly schedules will be delivered to the Company weekly and no later than Thursday for estimates for the following week.

Electric energy from any source, other than the Company's, will be used to first reduce sales on this rider. Standby service will not be billed at this rider, but must be taken under Riders No.3, No.5, or No.6.

CONTRACT TERM: The contract term is 2 years, extending thereafter from month-to-month until terminated by 1 year written notice by either party. Once notice of termination is given by the customer, such notice cannot be withdrawn without full permission of the Company. For the first year of service under this rider, the customer shall have the right to terminate the contract and return to service under the Company's rates for firm service by paying an amount equal to the D11 on-peak billing demand charge times the contract capacity for the number of months served under this rider.
STANDARD CONTRACT RIDER NO. 12

CAPACITY RELEASE

AVAILABILITY OF SERVICE: Available to customers desiring a voluntary capacity release payment for loads not less than \(100\) kW at a single location.

TERMS OF SERVICE: Customers will be requested to curtail load upon notice from the Company. The customer shall be provided, whenever possible, notice in advance of such probable request and estimated duration of load reduction. Load reduction requests are at the discretion of the Company.

PAYMENT TERMS: The Company and the customer will mutually agree on the prices, terms, and conditions for load reductions. Such payment terms will reflect the type of service including, but not limited to energy only, capacity, seasonal, hourly, daily, monthly, etc.

The amount of load reduction will be verified by metered quantities whenever possible. Where the amount of load reduction is not directly metered, the Company and the customer will mutually agree on calculation methods. The customer shall agree to provide information in order to make such calculations.

SPECIAL TERMS AND CONDITIONS: Special metering is at the option and expense of the customer. The customer is required to provide the Company with notification methods to be used and provide the Company with current customer personnel responsible for such notification of load reduction requests.
STANDARD CONTRACT RIDER NO. 13

AVAILABILITY OF SERVICE: Available to customers who have on-site generators desiring a voluntary dispersed generation payment for operating their generation at the request of the Company. The customer must have on-site generation of at least 250 kW capacity at a single location.

TERMS OF SERVICE: Customers will be requested to operate generation upon notice from the Company. The customer shall be provided, whenever possible, notice in advance of such probable requests and estimated duration of the request. Such requests are at the discretion of the Company.

PAYMENT TERMS: The Company and the customer will mutually agree on the prices, terms, and conditions for dispersed generation power. Such payment terms will reflect the type of service including, but not limited to energy only, capacity, seasonal, hourly, daily, monthly, etc.

The amount of generator output will be verified by metered quantities whenever possible. Where the amount of generator output is not directly metered, the Company and the customer will mutually agree on calculation methods. The customer shall agree to provide information in order to make such calculations.

No payment will be made for load reduction required by Emergency Electrical Procedures as defined under Section C3.

SPECIAL TERMS AND CONDITIONS: Special metering is at the option and expense of the customer. The customer is required to provide the Company with notification methods to be used and provide the Company with current customer personnel responsible for such notification of load transfer requests. Customers desiring to operate generators in parallel with the Company’s system must comply with the requirements of the Company’s Interconnection Guidelines.

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Vice President Regulatory Affairs
Detroit, Michigan

Michigan Public Service Commission

February 13, 2013

Filed R L

Effective for service rendered on and after October 10, 2007
Issued under authority of the Michigan Public Service Commission dated October 9, 2007 in Case No. U-15152
STANDARD CONTRACT RIDER NO. 14  DISTRIBUTED GENERATION

APPLICABLE TO: Residential Service Rate  Schedule Designation D1
General Service Rate  Schedule Designation D3
Large General Service Rate  Schedule Designation D4

AVAILABILITY OF SERVICE: Available to customers with on-site distributed generation desiring to operate in parallel with the Company’s system and take service for their supplemental needs under one of the applicable tariffs listed above. The on-site generation capacity shall be no greater than 100 kW at a single location. Distributed generation resources include reciprocating engine generator sets, small turbine-generators, fuel cells, regenerative dynamometers and renewable resources.

PARALLEL OPERATION: The customer must meet the interconnection requirements of the Company specified in “The Michigan Electric Utility Generator Interconnection Requirements” as approved by the Commission, and must enter into an Interconnection and Operating Agreement with the Company before parallel operation will be permitted. Operating in parallel with the Company's system without written approval by the Company of the interconnection and any subsequent changes to the interconnection will make the customer subject to disconnection.

The customer is advised to consult its insurers and insurance policies regarding the existence of coverage for on-site distributed generation resources. Homeowners' policies and insurers may afford varying degrees of coverage for this exposure, or may exclude it altogether. This statement is not to be viewed as the rendering of advice regarding the customer's insurance coverage.

RATES: The customer shall pay all direct costs of controlling and protective equipment necessitated by the presence of a source of power on his premises and costs to comply with the Guidelines.

Sell-Back Energy Rate:
For customers with a standard energy meter, the Company's monthly average top incremental cost of power will be applied to all kilowatt-hours delivered to the Company's system.

For customers with a time-of-day meter, the Company's average monthly top incremental cost of power for each time-of-day period will be applied to all kilowatt-hours delivered to the Company's system during that time-of-day period.

For customers with an interval meter, the Company's top incremental cost for each hour will be applied to all kilowatt-hours delivered to the Company's system during that hour.

METERING REQUIREMENTS: The Company will install separate metering for energy sold by the Company to the customer and for energy sold-back to the Company by the customer. The Company will, at the customer's request, upgrade the sell-back meter to either a time-of-day or interval meter, but the incremental cost of such upgrade is the responsibility of the customer.

CONTRACT TERM: Open order, terminable on three day’s written notice by either party. Where special services are required, the term will be as specified in the applicable contract rider.
HOLD FOR FUTURE USE
STANDARD CONTRACT RIDER NO. 15  RENEWABLE RESOURCES PROGRAM

AVAILABILITY:

This Rider is available on a first come first served basis to metered DTE Electric full service and retail access service customers who desire to pay a renewable resources premium to promote the development and operation of renewable power facilities in the state of Michigan. The availability of service under this Rider may be limited by the availability of Renewable Energy Certificates (RECs) from renewable power facilities in the state of Michigan, at the prices set forth in this Rider. A REC is a unique, independently certified and verifiable record of the production of 1 megawatt hour of renewable energy. In the event that the Company is unable to secure a sufficient quantity of RECs from renewable power facilities within the state of Michigan to provide service to all customers desiring service under this Rider, at the prices set forth in this Rider, the Company may, purchase RECs from out-of-state facilities that provide recognizable economic, environmental, or other benefits to customers and priced at or below the prices set forth in this Rider. The company shall limit the quantity of RECs purchased from renewable facilities outside of Michigan to the additional quantity, above that available from Michigan renewable power facilities at the prices set forth in this Rider, required to serve the customers desiring service under this Rider. In the event that the Company is unable to supply the demand for RECs required to provide service to all customers desiring service under this Rider from Michigan renewable resource facilities and from out-of-state facilities that provide recognizable economic, environmental, or other benefits to customers, at the prices set forth in this Rider, this Rider may be closed to additional customers.

This Rider shall become unavailable to new customers as of December 4, 2018, and shall be phased out and eliminated within 12 months of October 5, 2018.

CHARACTER OF SERVICE:

The character of service is as specified under the applicable Base Rate. The term Base Rate refers to the Rate Schedule under which the Customer takes service and with which this Rider is associated.

RATES:

The following charges will apply and will be in addition to the normal charges applied under the applicable Rider(s) and Base Rate Schedule(s) in effect at the customer’s metered location.

A. Residential customers:

Option 1:
The Renewable Resources Premium is 2¢ per kWh applied to 100 percent of the monthly electric energy delivered by DTE Electric under the rate to which this rider is attached.

Option 2:
Customers can elect to contract for 100 kWh per month fixed increments for any amount of their electric requirements delivered by DTE Electric under the rate to which this rider is attached. The Renewable Resources Premium is $2.50 per 100 kWh block per month. In the event that the energy represented in the blocks purchased exceeds the customer’s actual kWh delivered by DTE Electric for the billing period, no reconciliation shall be made on the customer’s billing.

(Continued on Sheet No. D-100.00)
STANDARD CONTRACT RIDER NO. 15 (Contd.)  RENEWABLE RESOURCES PROGRAM

B Non-Residential Customers:

Option 1:
The Renewable Resources Premium is 2¢ per kWh applied to 100 percent of the monthly electric energy delivered by DTE Electric under the rate to which this rider is attached.

Option 2:
Customers can elect to contract for 1,000 kWh per month fixed increments for any amount of their electric requirements delivered by DTE Electric under the rate to which this rider is attached. The Renewable Resources Premium is $20.00 per 1,000 kWh block per month. In the event that the energy represented in the blocks purchased exceeds the customer’s actual kWh delivered by DTE Electric for the billing period, no reconciliation shall be made on the customer’s billing.

CONTRACT TERM:
The minimum term available to residential customers is one complete billing period extending thereafter from month to month. For non-residential customers the minimum term is twelve continuous complete billing periods extending thereafter from month to month. Customers shall provide at least three business days notice of their desire to begin or terminate service.

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N. A. Khouri  Vice President
Regulatory Affairs

Detroit, Michigan
STANDARD CONTRACT RIDER NO. 16  
NET METERING FOR RENEWABLE RESOURCE 
ON-SITE POWER PRODUCING FACILITIES 

AVAILABILITY:
This rider is available on a first-generating first-served basis to electric customers operating on-site generation which satisfies the Renewable Resource eligibility requirements set forth below. This rider attaches to any metered tariff excluding riders. The total capacity contracted under this rider from systems with nameplate capacities of 20 kW or less shall be limited to 0.005 (0.5%) of the Company’s system peak for the previous year as defined on page 401b of MPSC Form P-521. The total capacity contracted under this rider from systems with nameplate capacities greater than 20 kW but not greater than 150 kW shall be limited to 0.0025 (.25%) of the Company’s system peak for the previous year as defined on page 401b of MPSC Form P-521. The total capacity contracted under this rider from systems with nameplate capacities greater than 150 kW but not greater than 550 kW shall be limited to 0.0025 (.25%) of the Company’s system peak for the previous year as defined on page 401b of MPSC Form P-521.

This Rider is available only to customers participating in this Rider prior to May 9, 2019. A customer is “participating” if the customer has a completed application for service under this Rider pending before the utility prior to May 9, 2019. A customer who has an application filed with the utility before May 9, 2019 may still be allowed to participate in this Rider if the application is found deficient, provided the customer cures the deficiency within 60 days.

CHARACTER OF SERVICE:
As specified under the applicable Base Rate. The term Base Rate refers to the Rate Schedule under which the Customer takes service and that this Rider is associated with.

ELIGIBLE ELECTRIC GENERATING UNITS:
A. Eligible Technologies:
   A methane digester or any renewable energy system as defined in section 11(k) of 2008 PA 295, MCL 460.1011(k) is an eligible technology. “Renewable energy system” means a facility, electricity generation system, or set of electricity generation systems that use 1 or more of the following renewable energy resources to generate electricity. Renewable energy resources include biomass, solar and solar thermal energy, wind energy, kinetic energy of moving water, including all of the following: waves, tides, or currents, water released through a dam, geothermal energy, municipal solid waste and landfill gas produced by municipal solid waste. Renewable energy system does not include any of the following:
   1. A hydroelectric pumped storage facility.
   2. A hydroelectric facility that uses a dam constructed after October 6, 2008 unless the dam is a repair or replacement of a dam in existence on October 6, 2008 or an upgrade of a dam in existence on October 6, 2008 that increases its energy efficiency.
   3. An incinerator unless the incinerator is a municipal solid waste incinerator as defined in section 11504 of the natural resources and environmental protection act, 1994 PA 451, MCL 324.11504, that was brought into service before October 6, 2008, including any of the following:
      a. Any upgrade of such an incinerator that increases energy efficiency.
      b. Any expansion of such an incinerator before the effective date of this act.
      c. Any expansion of such an incinerator on or after October 6, 2008 to an approximate design rated capacity of not more than 950 tons per day pursuant to the terms of a final request for proposals issued on or before October 1, 1986.

(Continued on Sheet No. D-102.00)
STANDARD CONTRACT RIDER NO. 16 (Contd.)

ELIGIBLE ELECTRIC GENERATING UNITS (Contd.):

B. Generating Unit(s) Size Limitations:
   1. The maximum size of a methane digester system at a single site is limited to 550 kW and the maximum size of an individual unit or combination of units utilizing another renewable technology is 150 kW.
   2. Systems will be limited in size, not to exceed the Customer’s Base Rate self-service needs.
      At the Customer’s option, the Customer’s electric needs shall be determined by one of the following methods:
      a. The Customer’s annual energy usage, measured in kWh, during the previous 12-month period.
      b. For a Customer with metered demand data available, the maximum integrated hourly demand measured in kW during the previous 12-month period.
      c. In cases where there is no data, incomplete data, or incorrect data for the Customer’s energy usage or the Customer has, is or will be making changes on-site that will affect total usage, the Company or alternative electric supplier and the Customer shall mutually agree on a method to determine the Customer’s electric needs.

GENERATOR INTERCONNECTION REQUIREMENTS:

A. The rules for interconnecting customer on-site electric generating equipment with the Company are contained in the Commission’s Electric Interconnection and Net Metering Standards (R 460.601a–460.656). Additional technical requirements for interconnecting customer on-site electric generating equipment with the Company are contained in Michigan Electric Utility Generator Interconnection Requirements and the Company’s Generator Interconnection Supplement to Michigan Electric Utility Generator Interconnection Requirements (or their replacements).

B. All interconnection requirements must be met and the Customer must fulfill all requirements in and sign an Interconnection and Parallel Operating Agreement with the Company prior to commencing operation of on-site generation.

C. The Company must approve in writing any subsequent changes in the interconnection configuration before such changes are allowed. Operating in parallel with the Company’s system without the Company’s written approval of the interconnection and written approval of any subsequent changes to the interconnection will subject the Customer’s equipment to disconnection.

METERING:

Inflow and Outflow metering at the interface between the Customer and the Company will be specified by the Company and will be capable of recording all parameters metered on the Base Rate for deliveries to the Customer and for deliveries from the Customer to the Company. The Company will specify a single meter to measure and record inflow and outflow where practical. The Customer shall install and connect all meter enclosures and other equipment necessary to mount all metering. In addition to the inflow and outflow metering, customers with aggregated capacity of 20 kW or less may, and customers with aggregated capacity greater than 20 kW shall make provisions for generation metering. The Company will mount metering on the generator output capable of recording any parameters metered on the Base Rate. Customers with aggregated capacity of 20 kW or less are responsible for the cost of a generation meter if installed. Any unpaid cost for the generation meter will be waived for customers with aggregated capacity of 20 kW or less that enter into an agreement to sell renewable energy credits (RECs) to the Company. The Company will not charge customers with aggregated capacity of 150 kW or less for any meter(s) required to measure and record inflow and outflow.

The Company will not charge customers with aggregated capacity greater than 20 kW but not more than 150 kW for generation meters. Any and all costs associated with metering that are incurred to participate in the Net (Continued on Sheet No. D-103.00)
STANDARD CONTRACT RIDER NO. 16 (Contd.) NET METERING FOR RENEWABLE RESOURCE ON-SITE POWER PRODUCING FACILITIES

METERING (Contd.)
Metering Program for customers with aggregated capacity greater than 150 kW are the responsibility of the Customer. The metering costs associated with metering for customers with aggregated capacity greater than 150 kW and customers with aggregated capacity of 20 kW or less opting to install a generation meter without entering into an agreement to sell (RECs) to the Company will be divided into 12 equal monthly payments and added to the Customer’s electric bill.

NET METERING BILLING PROVISIONS:
A. Customers with Aggregated Capacity of 20 kW or Less: (Category 1 as defined in MPSC Rule R 460.601a)
   1. Power Supply; Full-Service Customers Only:
      The Customer will be billed all power supply components and power supply surcharges of the retail rate to which this rider is attached for any positive value resulting from subtracting the outflow from the facility to the utility from the inflow from the utility to the Customer.
   2. Distribution; Full-Service and Choice Customers:
      The Customer will be billed all distribution components and distribution surcharges of the retail rate to which this rider is attached for any positive value resulting from subtracting the outflow from the facility to the utility from the inflow from the utility to the Customer.
   3. Standby Power Supply; Full-Service Customers Only:
      Net metering customers with aggregated capacity of 20 kW or less will not be charged for power supply standby service.
   4. Power Supply Credit for Excess Generation; Full-Service Customers Only:
      If the quantity of electricity generated and delivered to the utility distribution system by an eligible electric generator during a billing period exceeds the quantity of electricity supplied from the electric utility during the billing period, that difference (positive values of outflow-inflow) is excess generation and will be carried forward to provide a credit in subsequent months.
         a. The maximum credit for power supply will be determined by applying the retail power supply components of the tariff, to which this rider is attached, to any energy that can offset net inflow in the current billing period from the unutilized energy carried forward from previous months.
         b. The credits shall appear on the bill for the following billing period and shall, in combination with any Distribution Credit for Excess Generation provided by the utility be limited to the total energy charges on that bill.
         c. Any excess kilowatt-hours (kWh) not used to offset charges in the next billing period will be carried forward to subsequent billing periods.
   5. Distribution Credit on Excess Generation; Full-Service and Choice Customers:
      a. The distribution credit for excess generation will be determined by applying the retail distribution components of the tariff, to which this rider is attached, to any energy that can be utilized in the current billing period from the unutilized energy carried forward from previous months.
      b. The distribution credits shall appear on the bill for the following billing period and shall in combination with any Power Supply Credit for Excess Generation provided by the utility be limited to the total utility energy charges on that bill.
      c. Any excess kilowatt-hours (kWh) not used to offset charges in the next billing period will be carried forward to subsequent billing periods.

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N. A. Khouri
Vice President
Regulatory Affairs

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dated May 26, 2009 in Case No. U-15919
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Issued February 6, 2013
Effective for bills rendered
on or after October 9, 2009

February 13, 2013

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STANDARD CONTRACT RIDER NO. 16 (Contd.)

NET METERING BILLING PROVISIONS (Contd.):

B. Customers With Aggregated Capacity Greater Than 20 kW But Not Larger Than 150 kW: (Category 2 as defined in MPSC Rule R 460.601a)

1. Power Supply; Full-Service Customers Only:
   The Customer will be billed the applicable power supply demand and energy components of the retail rate to which this rider is attached for any positive value resulting from subtracting the outflow from the facility to the utility from the inflow from the utility to the Customer. Power supply surcharges will be charged for total metered inflow to the Customer from the utility.

2. Distribution; Full-Service and Choice Customers:
   a. Customers on energy-only rates
      The Customer will be billed the applicable distribution components and distribution surcharges of the retail rate to which this rider is attached for total metered inflow to the Customer from the utility.
   b. Customers on demand rates
      The Customer will be billed for all distribution demand components and all energy-based distribution energy components and distribution surcharges of the retail rate to which this rider is attached for total metered inflow.

3. Standby Power Supply; Full-Service Customers Only
   Net metering customers with aggregated capacity greater than 20 kW but no greater than 150 kW will not be charged for power supply standby service.

4. Credit for Excess Generation; Full-Service Customers Only:
   If the quantity of electricity generated and delivered to the utility distribution system by an eligible electric generator during a billing period exceeds the quantity of electricity supplied from the electric utility during the billing period, that difference (positive values of outflow minus inflow) is excess generation and will be carried forward to provide a credit in subsequent months.
   a. The maximum credit will be determined by applying the retail power supply energy components of the tariff, to which this rider is attached, to any energy carried forward from previous months that can be utilized to offset net inflow in the current billing period.
   b. The credit shall appear on the bill for the following billing period and shall be limited to the total power supply charges on that bill.
   c. Any excess kilowatt-hours (kWh) not used to offset power supply charges in the next billing period will be carried forward to subsequent billing periods.

(Continued from Sheet No. D-103.00)

Issued February 6, 2013  Effective for bills rendered on or after October 9, 2009
N. A. Khouri  
Vice President  
Regulatory Affairs  
Detroit, Michigan

C. Customers With Methane Digester Aggregated Capacity Greater Than 150 kW but no Larger Than 550 kW: (Category 3 as defined in MPSC Rule R 460.601a).

1. Power Supply; Full-Service Customers Only: The Customer will be billed all power supply demand and energy components of the retail rate to which this rider is attached for any positive value resulting from subtracting the outflow from the facility to the utility from the inflow from the utility to the Customer. Power supply surcharges will be charged for total metered inflow to the Customer from the utility.

2. Distribution; Full-Service and Choice Customers: Customer total site electric requirements will be determined as the sum of the Company supply (inflow meter) and generation supply (generation meter) minus any outflow to the Company (outflow meter), i.e. [inflow plus generation minus outflow] for both energy and demand if applicable. The Customer will be billed all distribution demand and energy components and distribution surcharges of the retail rate to which this rider is attached for total site electric requirements.

3. Standby Power Supply; Full-Service Customers Only: Systems capable of generating more than 150 kW will be charged for Power Supply Standby Service by applying the applicable power supply charges in Standard Contract Rider No. 3 unless the Customer opts out of standby through the following procedure.

To opt out of standby the Customer must provide a written notice indicating they fully understand that opting out makes them subject to any ratchet provisions included in the base rate and are refusing Power Supply Standby Service.

4. Credit for Excess Generation; Full-Service Customers Only: If the quantity of electricity generated and delivered to the utility distribution system by an eligible electric generator during a billing period exceeds the quantity of electricity supplied from the electric utility during the billing period, that difference (positive values of outflow minus inflow) is excess generation and will be carried forward to provide a credit in subsequent months.

a. The maximum credit will be determined by applying the retail power supply energy components of the tariff, to which this rider is attached, to any energy that can be utilized in the current billing period to offset net inflow from the energy carried forward from previous months.

b. The credit shall appear on the bill for the following billing period and shall be limited to the total power supply charges on that bill.

c. Any excess kilowatthours (kWh) not used to offset power supply charges in the next billing period will be carried forward to subsequent billing periods.

ADDITIONAL CREDITS:
The Company may purchase renewable energy credits under a separate agreement from net metering customers using generation metering supplied by the Company. Provisions of this rider neither obligate the Company to purchase renewable energy credits nor obligate the Customer to sell renewable energy credits.
STANDARD CONTRACT RIDER NO. 16 (Contd.)  NET METERING FOR RENEWABLE RESOURCE
ON-SITE POWER PRODUCING FACILITIES

ADDITIONAL CHARGES:
The Customer is responsible for a net metering application fee of $25.00 and interconnection application review fee of $75.00. Projects larger than 20kW are responsible for distribution study costs and the cost of distribution upgrades if required.

CONTRACT TERM:
Customers who enroll shall be eligible to participate for a single continuous period up to 10 years. A customer may discontinue taking service under this rider at any time. The Company may terminate service under this rider to Customers with an aggregated capacity greater than 20 kW if it can be established that the facility has not produced energy for a continuous period exceeding eleven (11) billing months. The Company may terminate a customer’s service under this rider if the Customer fails to satisfy the eligibility requirements or the terms of the Interconnection and Parallel Operating Agreement. A customer that elects to discontinue taking service under this rider or whose net metering service is terminated for any reason and subsequently wishes to reenroll must reapply as a new customer subject to program size limitations and outstanding applications.

SPECIAL PROVISIONS AND CONDITIONS:
A. Generation facilities covered by this rider that have an aggregated capacity at a single site of 150 kW or less are exempt from all charges associated with the Company’s Standard Contract Rider No. 3 Parallel Operation and Standby Service.
B. Net excess generation carried forward will be accounted for by the applicable time-of-use pricing period existing in the Customer’s Base Rate e.g. On-Peak and Off-Peak. Energy carried forward from one time-of-use pricing period will not be utilized to offset energy in a different time-of-use pricing period.
C. Full retail power supply as used in this tariff refers to those components of a rate schedule utilized to collect the cost of service for power supply, and full retail distribution as used in this tariff refers to those demand and energy components of a rate schedule utilized to collect the cost of service for distribution service. Full retail rates do not include surcharges, service charges or other charges that are assessed on a per-meter basis.
D. By applying for service under this rider the Customer agrees to provide to the Company and allow the Company to provide to the Commission Staff the information about their onsite power producing facilities required for the Company to comply with its reporting requirements and verify continued eligibility for service under this rider. The Company will not release the name, address or other identifying information without prior written permission of the Customer.
E. The Company will allow generator metering supplied by the Company to be used by the Customer for the purpose of accounting for renewable energy credits (REC’s) the Customer may wish to sell.
F. The terms, conditions, charges and credits provided under this rider are subject to revision under order of the Commission.
**STANDARD CONTRACT RIDER NO. PLD**

### APPLICABLE TO:
- General Service Rate  
  Schedule Designation D3
- Secondary Educational Institution Rate  
  Schedule Designation D3.2
- Large General Service Rate  
  Schedule Designation D4
- Primary Educational Institution Rate  
  Schedule Designation D6.2
- **Primary Supply Rate**  
  Schedule Designation D11

### TRANSITIONAL TARIFF

### AVAILABILITY OF SERVICE:
Available on an optional basis to qualifying customers whose electric service was supplied by the City of Detroit Public Lighting Department (PLD) as of August 1, 2013. Customers are eligible for this rate if, upon converting from being a customer of PLD to taking service from the Company under applicable standard tariff rates, they would otherwise experience an average annual rate increase (including fuel and purchased power and all surcharges) equal to or greater than 5%. Customers selecting this Rider will be required to stay on the Company’s full service tariff rates for a period of ten years from the date they are converted to customers of the Company. Customers who were not previously charged for electric service by PLD will not be eligible for the Transitional Tariff.

### SERVICE PERIOD:
The Transitional Tariff is available to qualifying customers after the Customer Conversion Date, when all PLD customers will become customers of the Company. Customers will remain on the Transitional Tariff during the System Conversion Period, which covers the time period during which the Company’s distribution system will be enhanced to directly attach former PLD customers. The System Conversion Period is expected to last five to seven years from the date of Customer Conversion. This Transition Rate will expire at the earlier of the conclusion of the time period indicated by a customer’s applicable tier, or the conclusion of the System Conversion Period.

### DETERMINATION OF TIERS:
Those qualifying customers who select this Rider will be placed into a specific tier based on the overall initial annual cost increase they would experience when taking service from the company under applicable standard tariff rates (including fuel and purchased power and all surcharges) at the time of Customer Conversion, compared to charges from PLD if a Transitional Tariff were not available. The various tiers for purpose of applying the Rider PLD credit are:

- Rate increase ≥35%  
  Tier 1
- Rate increase ≥30% and <35%  
  Tier 2
- Rate increase ≥25% and <30%  
  Tier 3
- Rate increase ≥20% and <25%  
  Tier 4
- Rate increase ≥15% and <20%  
  Tier 5
- Rate increase ≥10% and <15%  
  Tier 6
- Rate increase ≥5% and <10%  
  Tier 7

### RATE PER MONTH:

#### Full Service Customers:
Customers will be priced per the Full Service charges for the applicable base tariff rate schedule and will receive a Transitional Tariff Credit. The credit will be applied based on the discount schedules below, dependent upon which Tier (of Tiers 1-7) the customer qualifies for. For Example: A Customer in Tier 1 would have their initial Transition Tariff Credit calculated using the 25.0% discount in the initial year, and the 21.3% percent discount in the second year, and so on for each year until the customer is paying the standard base tariff rate.

(Continued on Sheet No. D-108.00)
TRANSITIONAL TARIFF

**Transitional Tariff Credit:** The monthly credit for the Transitional Tariff shall be structured using a decreasing scale of percentages over the System Conversion Period and applied as follows:

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<tr>
<th>Tier 1</th>
<th>Tier 2</th>
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<tbody>
<tr>
<td>1st Year</td>
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<th>Tier 7</th>
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<tbody>
<tr>
<td>1st Year</td>
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</table>

The Transitional Tariff credit shall be calculated by taking the base rate revenue (excluding surcharges and the PSCR factor) calculated under applicable standard tariff rates, times the corresponding percentage for a given year. The result shall then be deducted from the customer’s bill.

**Surcharges and Credits:** As approved by the Commission. See Sections C8.5 and C9.8.
STANDARD CONTRACT RIDER NO. 17

VOLUNTARY RENEWABLE ENERGY

AVAILABILITY OF SERVICE:

This rider (Rider) is available on an optional basis to full service customers who desire to have a greater portion of their electric use attributed to renewable resources. Customers electing this Rider shall choose the percentage of their electric usage, in 5% increments, to be attributed to renewable resources, at a level beyond the renewable energy all customers receive from the Company’s generation fleet. Therefore, the minimum subscription amount is the current amount provided through the renewable portfolio standard plus 5%. Participation on this Rider is limited such that up to 100% of a customer’s usage can be attributed to renewable resources.

Renewable energy available under this Rider will be sourced from Company’s solar and wind renewable resources approved in its Renewable Energy Plan (REP) by the Commission’s Order in Case No. U-17793 issued December 11, 2015 (“the Company Renewable Resources”). Customers will have the option to subscribe to the blended wind and solar assets or a wind-only program, based on availability. Additional renewable energy assets will be added to the program as forecasted capacity nears the total generation of the assets in the program.

Service under this Rider shall begin on April 3, 2017. Eligible customers will be enrolled on a first come first served basis. Therefore, if demand ever exceeds capacity, customers will be placed on a waitlist and will have the opportunity to subscribe to the next available assets. This Rider will expire on December 31, 2041.

Renewable Energy Credits (RECs) resulting from the generation of the energy purchased through this Rider shall be retired by the Company on the participants’ behalf. These RECs will not be used by the Company to comply with Public Act 295 of 2008 (as amended by Public Act 342 of 2016), or similar act or law.

CONTRACT TERM:

A customer may discontinue taking service under this rider at any time. A participating customer receiving service pursuant to this Rider that later elects to increase the percentage of renewable energy received can increase at their current subscription fee, subject to availability. If the current phase is sold out, customer can increase their subscription percentage at the modified rate, subject to availability. A customer who elects to discontinue service under this rider and subsequently wishes to reenroll, must reapply as a new customer subject to the program availability.

RATE PER MONTH:

Customers taking service under this Rider shall be subject to the Power Supply and Delivery charges pursuant to their current Rate Schedule, including all applicable surcharges and credits contained in Sections C8.5 and C9.8, for all electric service provided by the Company, including energy purchased under this Rider.

(Continued on Sheet D-110.00)
STANDARD CONTRACT RIDER NO. 17

VOLUNTARY RENEWABLE ENERGY

In addition, customers taking service under this Rider will be subject to the Voluntary Renewable Energy subscription charge for the energy the customer agrees to purchase pursuant to this Rider. The subscription charge is a per kWh charge which recovers all costs associated with the renewable energy being provided pursuant to this rider and program management costs. The subscription charge will be a flat fee, based on the levelized cost of service of the designated renewable energy facilities approved within the Program, plus a nominal marketing and administrative fee of $0.002/kWh. The initial subscription charge for the blended wind and solar program is $0.072 per kWh based on the originally approved assets in the program. The initial subscription charge for the blended wind-only program is $0.052 per kWh based on the organically approved wind asset in the program.

Upon mutual agreement between the Company and an eligible customer whom is a governmental or educational institution (School, College, University) customer, a one-time upfront subscription charge instead of the per kWh subscription charge described above, may be applied. School shall mean buildings, facilities, playing fields, or property directly or indirectly used for school purposes for children in grades kindergarten through twelve, when provided by a public, or nonpublic school. School does not include instruction provided in a private residence or proprietary trade, vocational training, or occupational school. “College” or “University” shall mean buildings owned by the same customer which are located on the same campus and which constitute an integral part of such college or university facilities. Any such upfront subscription charge is not a customer deposit described in the billing practices applicable to non-residential electric customers (R 460.1607).

All customers taking service under this Rider will also receive a Subscription Credit on a per kWh basis for the energy the customer agrees to purchase pursuant to this Rider. The Subscription Credit shall be equal to the Company’s Fuel and Purchase Power (FPP) expense per kWh (including PSCR) collectively known as Unit Cost of Power Supply (UCPS), minus the cost of transmission included in the FPP factor, plus a credit for capacity. The credit for capacity shall be equal to the product of the Zonal Resource Credits for the renewable resources used for this program, as determined by the Mid-Continent Independent System Operator (MISO), and 75% of the applicable MISO published Cost of New Entry for the Company’s resource zone. The Subscription Credit components shall be updated annually.

SPECIAL PROVISIONS AND CONDITIONS:

1. Company shall have no obligation to supply electricity under this Rider from the Company Renewable Resources during planned or forced outages of the Company Renewable Resources and may suspend or terminate this Rider and its obligations hereunder, or source the energy for this program from other renewable resources approved in the Company’s REP, at the Company’s sole discretion, upon an event of force majeure affecting the Company Renewable Resources, which shall include but not be limited to fire, flood, storm, other natural disaster, national emergency or war. If the total energy to be purchased by customers pursuant to this Rider is more than the energy actually produced by Company Renewable Resources for reasons other than those described above, the Company shall source the incremental energy needed for this program from other renewable resources approved in the Company’s REP.

(Continued on Sheet D-111.00)
STANDARD CONTRACT RIDER NO. 17

VOLUNTARY RENEWABLE ENERGY

2. All revenue collected or payments made by the Company pursuant to this Rider will be reconciled through the company’s Renewable Energy Plan Surcharge (REPS) and PSCR surcharge as set forth in the Company’s Application in Case No. U-18076. Company may suspend or terminate this Rider and its obligations hereunder in the event of a change of law or regulation that, in Company’s sole judgment, materially affects the cost of providing service under this Rider or reduces or limits the revenue collected pursuant to this Rider.

3. Pursuant to MCL 460.1061(a), a customer that receives at least 50% of the customer’s average monthly electricity consumption through the program is exempt from paying surcharges for incremental cost of compliance. A customer that will not receive at least 50% of the customer’s average monthly electricity consumption through the program will be notified that the customer will be responsible for the full applicable charges for the incremental costs of compliance.

LATE PAYMENT CHARGE:

See Section C4.8.
STANDARD CONTRACT RIDER NO. 18  DISTRIBUTED GENERATION PROGRAM

AVAILABILITY:
This Rider can be attached to any metered tariff, excluding riders, unless otherwise noted on the applicable metered tariff. The Distributed Generation Program is offered as authorized by 2008 PA 295, as amended by 2016 PA 342, 1939 PA 3, as amended by 2016 PA 341, Section (6) (a) (14), and the Commission in Case No. U-20162.

The Distributed Generation Program is available for eligible Distributed Generation customers on and after May 9, 2019.

A customer participating in a net metering program approved by the Commission before May 9, 2019 shall have the option to take service under this tariff at the time service under the terms and conditions of the previous net metering program terminates in accordance with MCL 463.0183(1).

The Distributed Generation Program is voluntary and available on a first come, first served basis for new customer participants or existing customer participants increasing their aggregate generation. The combined net metering (Rider 16) and Distributed Generation Program size is equal to 1.0% of the Company's average instate peak load for Full-Service customers during the previous 5 calendar years. Within the Program capacity, 0.5% is reserved for Category 1 Distributed Generation customers, 0.25% is reserved for Category 2 Distributed Generation customers and 0.25% is reserved for Category 3 Distributed Generation customers. The Company shall notify the Commission upon the Program reaching capacity in any Category.

If an existing customer who participates on Rider 16 increases their aggregate generation following the effective date of this rider, then all generation on site will be subject to the terms and conditions of this tariff.

CHARACTER OF SERVICE:
As specified under the applicable Base Rate. The term Base Rate refers to the Rate Schedule under which the Customer takes service and that this Rider is associated with.

DISTRIBUTED GENERATION DEFINITIONS

(1) A Category 1 distributed generation customer has one or more Eligible Electric Generators with an aggregate nameplate capacity of 20 kW or less that use equipment certified by a nationally recognized testing laboratory to IEEE 1547-2018 testing standards and is in compliance with UL 1741-SA and located on the customer's premises and metered at a single point of contact.

(2) A Category 2 distributed generation customer has one or more Eligible Electric Generators with an aggregate nameplate capacity greater than 20 kW but not more than 150 kW that use equipment certified by a nationally recognized testing laboratory to IEEE 1547-2018 testing standards and is in compliance with UL 1741-SA and located on the customer's premises and metered at a single point of contact.

(Continued on Sheet No. D-113.00)
STANDARD CONTRACT RIDER NO. 18 (contd.)  DISTRIBUTED GENERATION PROGRAM

(3) A Category 3 distributed generation customer has one or more methane digesters with an aggregate nameplate capacity greater than 150 kW but not more than 550 kW that use equipment certified by a nationally recognized testing laboratory to IEEE 1547-2018 testing standards and is in compliance with UL 1741-SA and located on the customer’s premises and metered at a single point of contact.

(4) Eligible Electric Generator – a renewable energy system or a methane digester with a generation capacity limited to no more than 100% of the customer's electricity consumption for the previous 12 months and does not exceed the following:
   a. For a renewable energy system, 150 kW of aggregate generation at a single site
   b. For a methane digester, 550 kW of aggregate generation at a single site

(5) Inflow – the metered inflow delivered by the Company to the customer during the billing month or time-based pricing period.

(6) Outflow – the metered quantity of the customer’s generation not used on site and exported to the utility during the billing month or time-based pricing period.

(7) Renewable Energy Resource – a resource that naturally replenishes over a human, not a geological, timeframe and that is ultimately derived from solar power, water power or wind power. Renewable energy resource does not include petroleum, nuclear, natural gas, or coal. A renewable energy resource comes from the sun or from thermal inertia of the earth and minimizes the output of toxic material in the conversion of the energy and includes, but is not limited to, all of the following:
   (i) Biomass
   (ii) Solar and solar thermal energy
   (iii) Wind energy
   (iv) Kinetic energy of moving water, including the following:
      (a) waves, tides or currents
      (b) water released through a dam
   (v) Geothermal energy
   (vi) Thermal energy produced from a geothermal heatpump
   (vii) Any of the following cleaner energy resources:
      (a) Municipal solid waste, including the biogenic and anthropogenic factions
      (b) Landfill gas produced by municipal solid waste
      (c) Fuel that has been manufactured in whole or significant part from waste, including, but not limited to, municipal solid waste. Fuel that meets the requirements of this subparagraph includes, but is not limited to, material that is listed under 40 CFR 241.3(b) or 241.4(a) or for which a nonwaste determination is made by the United States Environmental Protection Agency pursuant to 40 CFR 241.3(c). Pet coke, hazardous waste, coal waste, or scrap tires are not fuel that meets the requirements of this subparagraph.

(Continued on Sheet No. D-114.00)
CUSTOMER ELIGIBILITY

In order to be eligible to participate in the Distributed Generation Program, customers must generate a portion or all of their own retail electricity requirements with an Eligible Electric Generator which utilizes a Renewable Energy Resource, as defined above.

A customer's eligibility to participate in the Distributed Generation Program is conditioned on the full satisfaction of any payment term or condition imposed on the customer by pre-existing contracts or tariffs with the Company, including those imposed by participation in the Distributed Generation Program, or those required by the interconnection of the customer's Eligible Electric Generator to the Company's distribution system.

CUSTOMER BILLING – CATEGORY 1, 2 AND 3 CUSTOMERS

Inflow

(a) Full Service Customers

The customer will be billed according to their retail rate schedule, plus surcharges, and Power Supply Cost Recovery (PSCR) Factor on metered Inflow for the billing period or time-based pricing period.

(b) Retail Open Access Customers

The customer will be billed as stated on the customer’s Retail Open Access Rate Schedule on metered Inflow for the billing period or time-based pricing period.

Outflow

The customer will be credited on Outflow for the billing period or time-based pricing period. The credit shall be applied to the current billing month and shall be used to offset power supply and PSCR charges on that bill. The credit shall not offset any delivery charges or other surcharges. Any excess credit not used will be carried forward to subsequent billing periods. Unused Outflow Credit from previous months will be applied to the current billing month, if applicable, to offset the power supply component and PSCR components on the customer’s bill. Outflow Credit is nontransferrable.

(1) Full Service Customers

Power Supply Credit for Outflow:

Customers will be credited for each kWh of Outflow according to the non-transmission power supply rates shown below, plus the PSCR factor.
### Distributed Generation Program

**Rate Schedule**

<table>
<thead>
<tr>
<th>Rate Schedule</th>
<th>Outflow Credit $/kWh</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Residential</strong></td>
<td></td>
</tr>
<tr>
<td>D1/D1.6 Residential</td>
<td>First 17 kWh per Day: $0.07477</td>
</tr>
<tr>
<td>D1.1 Int. Air</td>
<td>Summer: $0.06323</td>
</tr>
<tr>
<td>D1.2 Time-of-Day</td>
<td>Summer On-Peak: $0.16142</td>
</tr>
<tr>
<td>D1.7 Time-of-Day</td>
<td>Summer On-Peak: $0.12508</td>
</tr>
<tr>
<td>D1.9 Elec. Vehicle</td>
<td>On-Peak: $0.16004</td>
</tr>
<tr>
<td>D2 Elec. Space Heat</td>
<td>Summer First 17 kWh per Day: $0.07612</td>
</tr>
<tr>
<td>D5 Water Heat</td>
<td>All kWh: $0.03864</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Secondary</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D1.1 Int. Air</td>
<td>Summer: $0.06895</td>
</tr>
<tr>
<td>D1.7 Time-of-Day</td>
<td>Summer On-Peak: $0.04784</td>
</tr>
<tr>
<td>D1.9 Elec. Vehicle</td>
<td>On-Peak: $0.16132</td>
</tr>
<tr>
<td>D3 General Service</td>
<td>All kWh: $0.07150</td>
</tr>
<tr>
<td>D3.2 Secondary Education</td>
<td>All kWh: $0.06228</td>
</tr>
<tr>
<td>D3.3 Interruptible General Service</td>
<td>All kWh: $0.05844</td>
</tr>
<tr>
<td>D4 Large General Service</td>
<td>Demand: $11.36</td>
</tr>
<tr>
<td>D5 Water Heat</td>
<td>All kWh: $0.03886</td>
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<tr>
<td>E1.1 Eng. St. Ltg.</td>
<td>All kWh: $0.04672</td>
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(Continued on Sheet No. D-116.00)
<table>
<thead>
<tr>
<th>Rate Schedule</th>
<th>Outflow Credit $ per kWh</th>
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<tr>
<td></td>
<td>Demand:</td>
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<tr>
<td>D11 Primary Supply</td>
<td></td>
</tr>
<tr>
<td>Primary</td>
<td>$13.61 per kW</td>
</tr>
<tr>
<td>Subtransmission</td>
<td>$13.03 per kW</td>
</tr>
<tr>
<td>Transmission</td>
<td>$12.75 per kW</td>
</tr>
<tr>
<td>D6.2 Primary Education</td>
<td></td>
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<tr>
<td>Institution</td>
<td>$13.11 per kW</td>
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<tr>
<td>Subtransmission</td>
<td>$12.56 per kW</td>
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<td>Transmission</td>
<td>$12.29 per kW</td>
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<td>D8 Interruptible Supply</td>
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<td>Demand:</td>
<td>$5.83</td>
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<tr>
<td>Subtransmission</td>
<td>$5.58</td>
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<td>Transmission</td>
<td>$5.46</td>
</tr>
<tr>
<td>D10 All Electric School</td>
<td>Summer:</td>
</tr>
</tbody>
</table>

1. Retail Open Access Customers

The Outflow Credit will be determined by the Retail Service Supplier. For customers taking capacity service from the Company, the capacity outflow credit shall be the appropriate capacity rate(s) from the customer’s rate schedule.

APPLICATION FOR SERVICE

In order to participate in the Distributed Generation Program, a customer shall submit completed Interconnection and Distributed Generation Program Applications, including the application fee of $50 to the Company.

The Distributed Generation Program application fee is waived if the customer is transitioning from the Net Metering Program.

If a customer does not act or correspond on an application for over 6 months, when some action is required by the customer, the application may voided by the Company.

(Continued on Sheet No. D-116.01)
STANDARD CONTRACT RIDER NO. 18 (contd.) DISTRIBUTED GENERATION PROGRAM

GENERATOR REQUIREMENTS

The Eligible Electric Generator(s) must be located on the customer's premises, serving only the customer's premises and must be intended primarily to offset a portion or all of the customer's requirement for electricity.

Systems will be limited in size, not to exceed the Customer’s self-service needs of the Rate Schedule to which this Rider is attached. The customer's requirement for electricity shall be determined by one of the following methods:

1. The customer's annual energy usage, measured in kWh, during the previous 12-month period

2. In instances where complete and correct data is not available or where the customer is making changes on-site that will affect total usage, the Company and the customer shall mutually agree on a method to determine the customer's annual electric requirement

The customer is required to provide the Company with a capacity rating in kW of the generating unit and a projected monthly and annual Kilowatt-hour output of the generating unit, along with a one-line of system and site plan when completing the Company's Distributed Generation Program Application.

The customer need not be the owner or operator of the eligible generation equipment, but is ultimately responsible for ensuring compliance with all technical, engineering and operational requirements suitable for the Company's distribution system.

GENERATOR INTERCONNECTION REQUIREMENTS

The requirements for interconnecting a generator with the Company's facilities are contained in Rule B8., Electric Interconnection and Distributed Generation Standards, the Michigan Electric Utility Generator Interconnection Requirements and the Company's Generator Interconnection Supplement to Michigan Electric Utility Generator Interconnection Requirements. All such interconnection requirements must be met prior to the effective date of a customer's participation in the Distributed Generation Program. The customer must sign an Interconnection and Operating Agreement with the Company and fulfill all requirements as specified in the Agreement. The customer shall pay actual interconnection costs associated with participating in the Distributed Generation Program, subject to limits established by the Michigan Public Service Commission.

The Company must approve in writing any subsequent changes in the interconnection configuration before such changes are allowed. Operating in parallel with the Company's system without the Company's written approval of the interconnection and written approval of any subsequent changes to the interconnection will subject the Customer's equipment to disconnection.

(Continued on Sheet No. D-116.02)
STANDARD CONTRACT RIDER NO. 18 (contd.) DISTRIBUTED GENERATION PROGRAM

METERING REQUIREMENTS

Metering requirements shall be specified by the Company, as detailed below. All metering must be capable of recording inflow and outflow and all parameters metered on the customer's otherwise applicable retail rate schedule, for both Full Service and Retail Open Access customers.

DISTRIBUTION LINE EXTENSION AND/OR EXTRAORDINARY FACILITIES

The Company reserves the right to make special contractual arrangements with Distributed Generation Program customers whose utility service requires investment in electric facilities, as authorized by the Company's Standard Contract Rider No. 2, Special Purpose Facilities, Rule C1, Character of Service, and Rule C6., Distribution Systems, Line Extensions and Service Connections, as set out in the Company's Electric Rate Book. The Company further reserves the right to condition a customer's participation in the Distributed Generation Program on a satisfactory completion of any such contractual requirements.

CUSTOMER TERMINATION FROM THE DISTRIBUTED GENERATION PROGRAM

A participating customer may terminate participation in the Company's Distributed Generation Program at any time for any reason on sixty days' notice. In the event that a customer who terminates participation in the Distributed Generation Program wishes to re-enroll, that customer must reapply as a new program participant, subject to program size limitations, application queue and application fees.

The Company may terminate a customer from the Distributed Generation Program if the customer fails to maintain the eligibility requirements, fails to comply with the terms of the interconnection and parallel operating agreement, or if the customer's facilities are determined not to be in compliance with technical, engineering, or operational requirements suitable for the Company's distribution system. The Company will provide sixty days' notice to the customer prior to termination from the Distributed Generation Program, except in situations the Company deems dangerous or hazardous. Such notice will include the reason(s) for termination.

Upon customer termination from the Distributed Generation Program, any existing Outflow credit on the customer's account will be applied to the power supply component and PSCR components of the customer's future bills for customers who remain in the residence. Outflow credit will be refunded to customers who do not remain in the residence. Distributed Generation Program credit is non-transferrable.

COMPANY TERMINATION OF THE DISTRIBUTED GENERATION PROGRAM

Company termination of the Distributed Generation Program may occur upon receipt of Commission approval.

Upon customer termination from the Distributed Generation Program, any existing Outflow credit on the customer's account will be applied to the power supply component and PSCR components of the customer's future bills for customers who remain in the residence. Outflow credit will be refunded to customers who do not remain in the residence. Distributed Generation Program credit is non-transferrable.
STANDARD CONTRACT RIDER NO. 18 (contd.) DISTRIBUTED GENERATION PROGRAM

DISTRIBUTED GENERATON PROGRAM STATUS AND EVALUATION REPORTS

The Company will submit an annual status report to the Commission Staff by March 31 of each year including Distributed Generation Program data for the previous 12 months, ending December 31. The Company's status report shall maintain customer confidentiality.

RENEWABLE ENERGY CREDITS

Renewable Energy Credits (RECs) are owned by the customer. The Company may purchase Renewable Energy Credits from participating Distributed Generation Program customers who are willing to sell RECs generated if the customer has a generator meter in place to accurately measure and verify generator output. REC certification costs are the responsibility of the customer.

The Company will enter into a separate agreement with the customer for the purchase of any RECs.
LCVGP provides full service customers the opportunity to meet their corporate sustainability goals and to encourage additional development of Michigan-sourced renewable energy resources by offering the ability to match up to 100% of their total annual energy usage.

The Company will supply the renewable energy from designated renewable energy facilities in the state of Michigan. LCVGP will be subscribed in phases until one offering is fully subscribed and there is demand for additional phases. Renewable energy supplied under this option will be limited to 85% of the total forecasted annual energy output of the contracts approved under the LCVGP. Renewable energy subscribed through this Standard Contract Rider No. 19 shall not be used by the Company for compliance with the state’s statutory renewable energy portfolio requirements. Enrollment will, with conditions and subject to availability, remain open following approval by the Michigan Public Service Commission, and additional designated renewable energy facilities will be added, as subscription levels increase.

Customers that receive at least 50% of their average monthly energy will be exempt from paying the Company’s renewable energy surcharge. Customers that receive less than 50% of their average monthly energy will be responsible for the full applicable renewable energy surcharge.

Company-Provided Renewable Resource

A. Customer Eligibility

Participation is limited to full service customers with an aggregated annual Maximum Demand of at least 1,000 kW. A single customer may aggregate across multiple sites. Participants shall be enrolled on a first-in, first-served basis and matching energy shall not exceed the limits of the amount of renewable energy available. After the initial year of the subscription, customers may increase their subscription level annually for the remainder of their agreement, based on the availability of renewable energy as determined by the Company.

The Company shall transfer to the customer, via the Michigan Renewable Energy Certification System (MIRECS), the Renewable Energy Credits (RECs) or retire the RECs on behalf of the subscribing customers, using the MIRECS accounting system. If a customer’s subscribed energy is in excess of the monthly output from the designated renewable facilities, then the Company will record the shortfall and attempt to satisfy the shortfall with renewable generation in excess of customer subscriptions in future months. The Company will conduct annual reviews to reconcile the energy generated by the designated renewable facilities against the amount of renewable energy subscribed by participants. If the annual review demonstrates that the renewable facilities have a shortfall in output versus total subscription, then the Company will provide, at the customer’s option, RECs in an amount that satisfies the customer’s share of the shortfall. The Company will charge customers the cost of acquiring the RECs on their behalf.

The customer subscription level is expressed as a percentage of their monthly energy use. The Company will provide at least 15% renewable energy under current PA 342 legislation in 2021. Therefore, minimum participation match is 20% of monthly energy use for each enrolled customer account and customer may select participation levels in 5% increments, up to 100% of their total energy use. The customer’s subscription charge is a per kWh monthly charge applied to the portion of energy of the customer’s account designated to participate in the LCVGP and is designed to fully recover the costs of participation.
STANDARD CONTRACT RIDER NO. 19 (Contd.) LARGE CUSTOMER VOLUNTARY GREEN PRICING PROGRAM (LCVGP) PILOT

B. Monthly Rate

Billing and Credits

a. The customer taking service under this Rider shall be subject to the Power Supply and Delivery charges pursuant to their current Rate Schedule, including all applicable surcharges and credits contained in Sections C8.5 and C9.8, for all electric service provided by the Company, including energy purchased under this Rider. The customer will be billed on their current billing cycle.

b. Subscription Charge: The subscription charge will be a flat fee, based on the levelized cost of service of the designated renewable energy facilities approved within the Program. If new assets in the program are contracted at a lower rate, the subscription fee will be averaged for all subscribers, resulting in a net decrease in the subscription fee for all customers. If new assets in the program are contracted at a higher rate or at the request of a specific customer, then customers currently paying a lower amount would retain that amount for the amount they are currently subscribed for.

c. Renewable Energy Resource Credits:

   Energy Credit

   The customer will receive a monthly energy credit based on the monthly weighted average Real Time Locational Marginal Price (RT-LMP) for the Generation Node(s) of the designated renewable facilities applied to the customers monthly energy use under the program. Credits will be reconciled annually based against the MISO settled RT-LMP at the assigned Generation Node(s). The annual reconciliation will be completed by the end of March for each proceeding Program year.

   Capacity Credit

   The customer will be provided a monthly capacity credit based on the customer’s renewable energy subscription under this Program and the value of the Zone 7 Auction Clearing Price in the annual MISO Planning Resource Auction for the planning period, as determined by the Company. The auction clearing price will be calculated on a per MWh basis using the formula below. The annual MISO capacity auction takes place in March with the revenue from system capacity being updated for the next twelve months beginning June 1st of each year.

   \[
   \text{(Auction Clearing Price)} \times (365 \text{ Days}) \times (\text{MISO Zone 7 Capacity Credit (MW)}) \\
   \text{(Project Size)} \times (\text{Resource NCF}) \times (8760 \text{ hours})
   \]

   The Energy and Capacity Credits shall be paid to the customer via bill credit only.

   (Continued on Sheet No. D-119.00)
STANDARD CONTRACT RIDER NO. 19 (Contd.) LARGE CUSTOMER VOLUNTARY GREEN PRICING PROGRAM (LCVGP) PILOT

C. Term & Form of Agreement

The Program shall require a written agreement with the customer for a term of five (5) years, ten (10) years, or twenty (20) years. The Program term and billing will begin the first billing cycle after the latter of the commercial operation date of the designated renewable energy facility or the Effective Date of the customer Agreement. After the first Program year and beginning on an annual basis thereafter, the customer may increase Program subscription levels, subject to Program availability. The term of the agreement will not be affected if the subscription level increases. Customers will notify Company of intent to renew their agreement sixty (60) days in advance of the end of the term.

If no notice of intent is given, the customer agreement will expire at the end of the term. If the customer elects to re-enroll in the Program after their agreement term ends, that customer will enroll at the subscription rate available at the time of renewal.

D. Early Termination of Agreement

The customer may elect to terminate their subscription after the initial year, subject to an early termination fee. The termination fee will be calculated based on the terms of the agreement, not to exceed the remaining value of the customer agreement. If the customer or Company is able to transfer the level of subscription to another customer that meets the eligibility requirements, the termination fee will be waived. Customers who choose to terminate or transfer their Program subscription will be required to give the Company a sixty (60) day written notice. If the customer would like to re-enroll in the Program after termination, they will be eligible, subject to the Program’s availability.

LATE PAYMENT CHARGE:

See Section C4.8.
E1 INTRODUCTION

This Rider is designed to express the terms and conditions associated with retail access service in the DTE Electric Choice Program, as well as provide information regarding the roles of the various market participants. This Rider includes the following sections:

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sec. 1</td>
<td>Introduction and Definitions</td>
</tr>
<tr>
<td>Sec. 2 - 8</td>
<td>Customers</td>
</tr>
<tr>
<td>Sec. 9 - 16</td>
<td>Alternative Electric Suppliers</td>
</tr>
<tr>
<td>Sec. 17 - 18</td>
<td>Marketers</td>
</tr>
</tbody>
</table>

- In the DTE Electric Choice Program, DTE Electric will maintain a relationship and interact with at least three separate participants: The Customer, the Alternative Electric Supplier and the Marketer. One entity may be responsible for both the Alternative Electric Supplier and Marketer roles. DTE Electric has separately defined the retail and wholesale functions behind electric supply in a competitive environment.

E1.1 Availability

Available for metered service in conjunction with Rate Schedule Nos. D1 through R16, excluding R3, when the customer wishes to take Power Supply Service or Energy Service from an Alternative Electric Supplier, unless the customer is currently participating in any DTE tariffs, programs or contractual relationships that limit their ability to elect Retail Access Service. This Rider is not available for unmetered service.

E1.2 The Customer Role

The Customer is the end-user of Power at one or more locations in the State of Michigan who has facilities connected to the DTE Electric distribution system. Under retail access service, the Customer will conduct transactions with at least two entities – DTE Electric and an Alternative Electric Supplier. The Customer is responsible for choosing an Alternative Electric Supplier.

The Customer must already be connected to the DTE Electric Distribution System as a Full Service Customer or meet the requirements for new Customers connecting to the DTE Electric Distribution System. All Primary Customers and Secondary Customers with Customer Service Capacities greater than 300 kW must execute Customer Distribution Agreements with DTE Electric.

E1.3 DTE Electric Role

*For Retail Access Service, DTE Electric is the provider of retail delivery service from the Point of Receipt to the Point of Delivery, distributing electric power within DTE’s Electric service territory under the jurisdiction of the Commission. DTE Electric also provides Utility Capacity Service to Retail Access Customers requiring Capacity Service from the Company.*
INTRODUCTION (Contd.)

E1.4 The Alternative Electric Supplier Role

An Alternative Electric Supplier is an entity that has obtained all the necessary legal approvals to sell retail electricity in Michigan.

The Alternative Electric Supplier buys products and services needed to provide power supply or energy to Customers, combines these products and services in different marketing packages, and sells the packages to Customers. Alternative Electric Suppliers must meet all applicable statutory and regulatory requirements of Michigan and Federal law.

E1.5 The Marketer Role

The Marketer is an entity that acts as a wholesale supplier; takes title to power and has FERC authorization to market energy services. FERC authorization allows the Marketer to use transmission systems to move power from the generator(s) to the distribution system. The Marketer is either a FERC-authorized power Marketer or a utility. As defined by FERC, in the context of this Rider, the Marketer is responsible for all Transmission-related responsibilities related to serving the retail access customers served by its supply. These include: scheduling energy, obtaining ancillary services, and paying energy imbalance charges. The Alternative Electric Supplier and Marketer functions may be handled by one entity or may be performed by different parties. Either way, both the Alternative Electric Supplier role and the Marketer role must be performed to complete delivery to a Customer.

E1.6 Definitions

Advanced Electric Meter means a digital electric meter that has the capability to measure, record and transmit energy usage in kWh, 30-minute integrated energy demand in kW and 30-minute integrated reactive demand in kVAR via a secure communication network.

Aggregator means an entity that combines the energy consumption of multiple Customers for the purpose of meeting minimum load criteria necessary for retail access service.

Alternative Electric Supplier (AES) means an entity that has obtained all the necessary approvals to sell retail electricity in Michigan, and is licensed by the Michigan Public Service Commission. An AES does not physically deliver electricity directly to retail Customers in the state.

Automated Metering Infrastructure (AMI) meter means a digital electric meter that has the capability to measure and record energy usage in kWh and energy demand in kW and transmit that data via secure radio frequency to DTE Electric.

Capacity Service means supplying sufficient generating resources that have the capability to serve the power requirements of Customers.
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E1.6 Definitions (Contd.)

Commission means the Michigan Public Service Commission.

CPNode means a MISO-designated Commercial Pricing Node that is used to aggregate hourly meter usage data by Marketer to support settlement in the MISO hourly energy market.

Customer means, for purposes of retail access service, an entity with electrical load facilities connected to the DTE Electric Distribution System that purchases or receives Power Supply Service or Energy Service from an Alternative Electric Supplier and which Power Supply Service or Energy Service is delivered to its Location(s) pursuant to this Rider. All Customers, regardless of the voltage level of the service, are considered to be connected to the DTE Electric Distribution System.

Customer Service Capacity means the load carrying capability of the DTE Electric metering installation at the Customer’s site, based on the thermal limits of the meter and any associated transformers.

Demand means the amount of power required to meet the Customer’s load, generally expressed in kilowatts or megawatts, at a given instant or averaged over a designated interval of time.

Distribution Contract Capacity means the load carrying capacity in kilowatts of the DTE Electric Distribution System necessary to meet a Customer’s maximum load requirements at a particular Location served under this Rider.

Distribution Point of Delivery means the point of interconnection between the DTE Electric Distribution System and the Customer’s service location.

Distribution Point of Receipt means the point of interconnection between the ITC Transmission and DTE Electric Distribution Systems.

DTE Electric’s Distribution System means facilities operated by DTE Electric for the purpose of distributing electric power within DTE’s Electric service territory, which are subject to the jurisdiction of the Commission.

Effective Date is the date at which responsibility for providing Power Supply Service, Utility Capacity Service or Energy Service to a Customer transfers from the current provider to the new provider. The transfer occurs at the beginning (00:01 hours) of the Effective Date.

Energy in the context of this document the word energy refers to “electrical energy” and is measured in kilowatt-hours.

Energy Service means supplying the Power requirements of a Customers load.
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E1.6 Definitions (Contd.)

Full Service means the provision of regulated electric service including Power Supply Service, transmission and distribution services; each provided by DTE Electric.

International Transmission Company (ITC) Transmission System means facilities operated by ITC for the purpose of transmitting electric power within the DTE Electric service territory which are subject to the jurisdiction of the Federal Energy Regulatory Commission.

Legally Authorized Person means a person that has legal documentation or legal authority to enroll a Residential or Non-Residential customer into a binding contract. A Legally Authorized Person includes, but is not limited to, an individual with power of attorney or a corporate agent authorized to enter into contracts on a corporation’s behalf.

Load means any end-use device drawing energy from the electric system.

Location means each Customer facility whether owned or leased.

Marketer means an entity that:

A generates, brokers, markets or otherwise procures power to be supplied to ITC at the Transmission Point of Receipt, obtains transmission services and with whom a Customer’s Alternative Electric Supplier has arranged for the receipt of Power,

B satisfies all applicable statutory and regulatory requirements of Michigan and Federal law, and

C satisfies all applicable reciprocity requirements set forth in this Rider.

MDMA or Meter Data Management Agent is the party responsible for reporting a Marketer’s aggregated customer loads, with distribution losses, to MISO to support settlement in the MISO hourly energy market.

Midcontinent Independent System Operator (Midcontinent ISO or MISO) Tariff means the Midcontinent ISO Tariff on file with the Federal Energy Regulatory Commission, as amended from time to time. The Tariff governs MISO’s provision of regional transmission service and MISO’s operation of an energy and ancillary services market.

MISO means the Midcontinent Independent System Operator

Power means a combination of the electric demand and energy requirements of the Customer.

Power Supply Service means supplying both Capacity and Energy Service.

(Continued on Sheet No. E-5.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E1.6 Definitions (Contd.)

Reactive Demand means the amount of reactive power required to meet the Customer’s Load, generally expressed in kilovolt-amperes reactive (kVAR), at a given instant or averaged over a designated interval of time.

Sink means a unique four-character code assigned to a Marketer’s Transmission Service Agreement by ITC which identifies a load.

Standard Demand/Energy Meter means an analog meter that has the capability to measure and record energy usage in kWh and energy demand in kW for customers taking service under certain rate schedules.

State Reliability Mechanism ensures reliability of the electric grid in Michigan and requires all electric providers (including AESs) to annually demonstrate to the Commission that they have sufficient capacity resources to serve their electric load in the planning period four years into the future.

State Reliability Mechanism Capacity Charge is a retail rate designed to recover DTE Electric’s cost of providing capacity service.

Transmission Point of Delivery means the point of interconnection between the ITC Transmission and DTE Electric Distribution Systems.

Transmission Point of Receipt means the point on the ITC Transmission System where Power is received by ITC for delivery to the Transmission Point of Delivery.

Utility Capacity Service means capacity service provided by DTE Electric to retail access customers.

CUSTOMER SECTION

E2 TERMS AND CONDITIONS OF SERVICE

E2.1 This Retail Access Service Rider sets forth the terms and conditions of service for the delivery of Power Supply Service or Energy Service to a Customer, procured by an Alternative Electric Supplier and supplied by a Marketer. Such Power shall be initially received at a designated Transmission Point of Receipt and ultimately delivered to the Customer through the DTE Electric Distribution System. This Rider also sets forth the rates and charges for services unique to customers taking Retail Access Service.

E2.2 Power Supply Service or Energy Service received by ITC for delivery to the Customer shall be transmitted across the ITC Transmission System to the DTE Electric Distribution System in accordance with the rates, terms and conditions of service of the Midcontinent ISO Tariff.

E2.3 A Customer’s eligibility to take retail access service is subject to the full satisfaction of any terms or conditions imposed by pre-existing contracts or tariffs with DTE Electric. Rider No. 2 agreements between the Customer and DTE Electric will remain in effect during service under this Rider. Rider No. 4 - “Resale of Service” is also available under this Rider.

(Continued on Sheet No. E-6.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E2 TERMS AND CONDITIONS OF SERVICE (Contd.)

E2.4 A Customer will specify only one Alternative Electric Supplier (and the Alternative Electric Supplier shall specify only one Marketer) at any given time for the supply of Power Supply Service or Energy Service to each Customer account or Customer Location.

E2.5 DTE Electric shall be required to complete all retail access enrollment activities required to place a Customer in “site-ready” status within 10 calendar days:

A This deadline does not require that Customers actually commence service within the specified timeframe; only that DTE Electric has completed all activities required of it to place the Customer in “site-ready” status.

Customers shall be permitted to change Alternative Electric Suppliers. The changes will become effective at the completion of their normal billing cycle. Customers will be assessed a $5 processing charge per account for each change. The change will be submitted to DTE Electric electronically by the Customer’s new Alternative Electric Supplier as a new enrollment.

E2.6.1 Metering

A All load served under this Rider shall be metered. The meter type shall be that which is appropriate to meter the customer’s Power Supply requirements under the otherwise applicable rate schedule.

B Metering equipment for Customers taking retail access service shall be furnished, installed, read, maintained and owned by DTE Electric.

C Customers who desire to expand load at their facility, where expand means to connect new load through an existing meter, but are not eligible to expand the retail access service load at their facility above the Cap on Choice Participation in accordance with the procedures adopted by the MPSC in Case No. U-15801 on September 29, 2009, must install separate metering, at their expense, in order to measure and bill the Full Service portion of their facility load. The separate metering requirement will be waived if the installation of separate metering is impractical. Under this waiver, both retail access and Full Service loads will be estimated based on the metered load of the facility.

E2.6.2 Multiple Meters at Non-Residential Locations

A Existing groupings of multiple meters into accounts at a location will be maintained in setting up new retail access accounts.

B When multiple Advanced Electric Meters are used within a single voltage level, Maximum Demand at that voltage level will be established by the highest coincident demand recorded for those meters.
RETAIN ACCESS SERVICE RIDE — RIDE EC2 (Contd.)

E2 TERMS AND CONDITIONS OF SERVICE (Contd.)

E2.6.3 Multiple Meters at Residential Locations

Existing groupings of multiple meters into accounts at a location will be maintained in setting up new retail access accounts.

E2.7 Meter Reading

A All Customers with Advanced Electric Meters shall have meter reading accomplished through a secure communication network to provide DTE Electric the metering data necessary to bill the customer and conform to required metering accuracy. Regardless of meter type, DTE Electric shall provide the Alternative Electric Supplier and the Customer with reasonable access to timely, accurate, and complete meter data necessary for delivery, settlement, and billing of energy and electricity services in usable computer form and equivalent to DTE Electric’s ability to access such data, and without unreasonable delay, once the Customer is enrolled, without any further documentation or permission from the Customer.

DTE Electric shall inform the Alternative Electric Supplier and the Customer of any corrections made under Section E2.8 and shall provide such corrections at the same time that DTE corrects its own meter data.

Prior to a Customer being enrolled and with the Customer’s permission, which may be either in writing or in electronic form, upon the Customer’s request DTE Electric shall provide the Alternative Electric Supplier and Customer with reasonable access to accurate and complete historical meter data, or shall provide the requested data itself, in usable computer form equivalent to DTE’s ability to access such data and without unreasonable delay.

B The switch of a Customer's account from one supplier to another will normally take place on the scheduled meter reading date for that Customer (the Effective Date) and be based on the reading made that same day. If an actual meter reading is not made on the Effective Date, DTE Electric will read the meter within five (5) business days of the date in which DTE Electric determines that the scheduled actual meter reading has not occurred. The meter reading on the Effective Date will be determined on a pro rated basis based on the actual meter reading. DTE Electric’s failure to read meters in the time frames noted, through no fault of the Customer, shall not result in penalties of any type to the Customer. Except for actions outside the scope of DTE Electric's control and storms or other events or occurrences that render the reading of meters physically impossible, customer's bills for DTE Electric distribution services will be reduced by 1/30 for each day DTE Electric meter reads are late past a three day grace period.

E2.8 Meter Errors

Billing where metering errors and malfunctions have taken place shall be performed as follows:

(Continued on Sheet No. E-8.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E2.8 Meter Errors (Contd)

A For Customers without Advanced Electric Meters where metered data is not available due to metering errors, malfunctions, or otherwise, the usage will be estimated using the procedures pursuant to Section C4.5 (B) and (C).

B For Customers with Advanced Electric Meters where metered data is not available due to metering errors, malfunctions, or otherwise, the usage will be estimated using the available historical data for the Customer.

C Where incorrect billing results from calculation error discovered by either DTE Electric, the Alternative Electric Supplier, or the Customer, the error will be corrected and revised bills for the Customer and the Alternative Electric Supplier will be calculated and settled on the next billing period after the error is discovered. Billing errors discovered by DTE Electric shall be adjusted as provided for in the Residential, Commercial, and Industrial Billing Rules.

D Liability for meter or calculation errors or malfunctions shall be assigned or apportioned to the appropriate party based on fault.

E3 CHARACTER OF SERVICE

E3.1 DTE Electric furnishes alternating current service at a nominal frequency of 60 hertz 24 hours a day, subject to interruption by tariff, by agreement, by advance notice, by accident or by other causes not under the reasonable control of DTE Electric.

E3.2 For Single-Phase Distribution Service, DTE Electric provides service at differing voltages available in differing configurations within its service territory. These include, but are not limited to, single-phase secondary alternating current service at 120/240 volts. In some districts current is supplied from a Y-connected secondary network at 208Y/120 volts. Customers who are considering locating new load or who are considering adding load at an existing Location should contact DTE Electric to determine what service is available at a particular Location to serve their Load.

E3.3 For Three-Phase Distribution Service, DTE Electric provides service at differing voltages available in differing configurations within its service territory. These include, but are not limited to, alternating current, three-phase service at nominal 4,800, 13,200, 24,000, 41,570 or 120,000 volts which may be transformed to lower voltages through DTE Electric-owned transformation equipment. Where three-phase service is supplied at 480Y/277 volts through DTE Electric-owned transformation equipment, the Customer must furnish any transformation for the supply of its 120/240 volt requirements. Customers who are considering locating new load or who are considering adding load at an existing Location should contact DTE Electric to determine what service is available at a particular Location to serve their Load.

(Continued on Sheet No. E-9.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E4. TERM, COMMENCEMENT OF SERVICE AND RETURN TO FULL SERVICE

E4.1 Term

E4.1.1. Retail Access Service For Non-Residential Customers
Retail Access Service shall have a minimum term of two years subject to the provisions of Section E5.3. Upon completion of the initial term, retail access service shall continue on a month to month basis until terminated by the Alternative Electric Supplier, the Customer or DTE Electric.

The Alternative Electric Supplier may terminate Retail Access Service by submitting an electronic drop request.

The Customer may initiate termination of Retail Access Service by notifying their Alternative Electric Supplier, by notifying DTE Electric in writing, or by contacting the Electric Choice Customer Center.

Termination of Retail Access Service will not be less than one (1) business day before the next scheduled meter reading date. The effective date for termination of Retail Access Service shall be the next scheduled meter reading date occurring not less than one (1) business day after the submission of the termination request to DTE Electric.

When more than 10% of the customer load in kWh for any of the three rate classes – residential, commercial, and industrial – is taking open access service, customers in that class must provide 60 days written notice.

If an Alternative Electric Supplier defaults, a Customer who returns to full service before the 30 or 60 days elapse shall pay the higher of the tariff rate or market based rate until DTE Electric has received the benefit of 30 or 60 days notice, at which time the customer may elect to remain on full service for 12 months and pay tariff rates as provided for in Section E5.3. All other customers who fail to give less than 30 or 60 days notice are subject to DTE Electric’s ability to supply their requirements.

The terms of service associated with any previously contracted or newly initiated service are specified below:

Retail access service provided to new locations served by DTE Electric shall be for an initial minimum term of five years over which time the minimum charges shall apply. Contributions in Aid of Construction for distribution facilities will be per tariff rate.

Service provided to existing locations shall be for the unexpired portion of any existing contract but not less than a term of one year over which time the minimum charges shall apply.

After the expiration of the contract minimum term for Retail Access Service, the contract shall be extended thereafter, from month-to-month.

(Continued on Sheet No. E-10.00)
E4   TERM, COMMENCEMENT OF SERVICE AND RETURN TO FULL SERVICE (Contd.)

E4.1   E4.1.1. Retail Access Service For Non-Residential Customers (contd.)

Minimum charges shall be adjusted each year to recognize actual demand.

Beginning June 1, 2018 all ROA customers may be subject to a State Reliability Mechanism Capacity Charge. This charge shall not apply to ROA customers for any planning year in which their Alternative Electric Supplier can demonstrate to the Commission that it can meet its capacity obligations.

If a state reliability mechanism capacity charge is required to be paid in the planning year beginning June 1, 2018, or any of the three subsequent planning years, due to the Alternative Electric Supplier not meeting its capacity obligations, then the capacity charge is applicable for each of those planning years. Any capacity charge required to be paid any time after the first initial four year period shall be applicable for a single year. The planning year is defined as being June 1 through the following May 31 of each year. The capacity charge paid by ROA customrs will be the same amount as a Full Service Customer.

E4.1.2 Retail Access Service For Residential Customers

A Retail Access residential Customer shall commence Retail Access residential service in accordance with their billing cycle and shall be required to remain on Retail Access Service for a minimum of one full billing cycle. Upon notice of termination of Retail Access Service as specified in Section E5.1.1, a Retail Access Customer taking Retail Access residential service may return to Company Full Service in accordance with their next bill cycle. A Retail Access Customer who returns to Company Full Service must remain on Company Full Service for a minimum of one year from the date of their return to Company Full Service.

Beginning June 1, 2018 all ROA customers may be subject to a State Reliability Mechanism Capacity Charge. This charge shall not apply to ROA customers for any planning year in which their Alternative Electric Supplier can demonstrate to the Commission that it can meet its capacity obligations.

If a capacity charge is required to be paid in the planning year beginning June 1, 2018, or any of the three subsequent planning years, due to the Alternative Electric Supplier not meeting its capacity obligations, then the capacity charge is applicable for each of those planning years. Any capacity charge required to be paid any time after the first initial four year period shall be applicable for a single year. The planning year is defined as being June 1 through the following May 31 of each year. The capacity charge paid by ROA customers will be the same amount as a Full Service Customer.

E4.2 Commencement of Service

E4.2.1 Retail access service shall be initiated by a Customer choosing an Alternative Electric Supplier and the subsequent submission of an electronic enrollment by the Alternative Electric Supplier on behalf of the Customer in a manner specified by DTE Electric. Alternative Electric Supplier submission of the enrollment warrants that a valid contract with the prospective Customer exists. DTE Electric

(Continued on Sheet No. E-11.00)
E4 TERM, COMMENCEMENT OF SERVICE AND RETURN TO FULL SERVICE (Contd.)

E4.2 Commencement of Service (contd.)

E4.2.1 shall be required to complete all open access enrollment activities required of it to get the enrollment to “site-ready” status within the timeframes specified in Section E2.5.

E4.2.2 Retail access service may not commence until metering has been installed as specified in this Rider or agreements related thereto and:

MISO has received from the Marketer an executed Transmission Service Agreement.

In addition, DTE Electric must have received from the Alternative Electric Supplier:

(i) the Alternative Electric Supplier’s warranty, that the Alternative Electric Supplier has obtained all necessary approvals authorizing the Alternative Electric Supplier to conduct business at each Location to be served, and

(ii) the Alternative Electric Supplier’s warranty, that each enrollment submitted is in full compliance with requirements for enrollment, and is backed by proper authorization from the Customer allowing the Alternative Electric Supplier to enroll the Customer in retail access.

E4.3 Return to Full Service

A In addition to the notice of termination provided in Section E5.1, a Customer shall provide DTE Electric with written notice no later than December 1st if the Customer will be taking full service from DTE Electric during the following summer. For this purpose, “summer” means DTE Electric regularly scheduled billing periods beginning June 1st through September 30th. Customers who so notify DTE Electric shall be obligated to take full service from DTE Electric for twelve months and pay for such service at any tariff rate for which the customer qualifies.

If a Customer does not provide DTE Electric with written notice prior to December 1st and then takes full service from DTE Electric during the following summer, the Customer shall pay DTE Electric the higher of (a) the applicable tariff energy prices plus 10% or (b) the Market Priced Power charges plus 10% until such time as the minimum two year commitment to retail open access service has been met and the December 1st written notice requirement has been met.

B Subject to the notice provisions of Section E5.3A, Customers that discontinue retail access service may return to DTE Electric Full Service under the following conditions:

(i) Option 1 -- 12 Month Service Commitment

If the Customer commits to DTE Electric Full Service for a minimum of 12 months, then the Customer may take service under any tariff rate for which the Customer qualifies. Any returning Customer that commits to remain on full service for the subsequent 12 months and then fails to do so will be back billed for the higher of the tariff rate or market-based rate.

(Continued on Sheet No. E-12.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E4.3 Return to Full Service (Contd)

(ii) Option 2 -- Short-Term Service

If the Customer chooses not to commit to DTE Electric Full Service for a minimum of 12 months, then the Customer may take service under any tariff rate for which the Customer qualifies, with the tariff rate modified as follows:

The Power Supply Cost Recovery component, both base and adjustment factor, in any and all energy prices of the tariff, shall be subtracted from the energy prices and the Market Priced Power charge shall be added to the energy prices. The Market Priced Power charge shall reflect the current market value of energy, shall be based on visible indexes of electricity market prices plus reasonable charges for transmission and losses, and shall be calculated according to methods approved by the Commission. The Customer shall be billed the higher of the applicable tariff energy prices or the Market Priced Power charge.

The Customer may at any time return to retail access service or agree to take DTE Electric Full Service for a minimum of 12 months.

(iii) Unless otherwise provided for and subject to other conditions in this Rider, a Customer may return to DTE Electric Full Service under the provisions of Section E5.3 and subsequently go back to retail access service no more than once in any month.

E5 Billing and Payment

E5.1 DTE Electric will bill the Customer for retail access service at the rates and charges outlined in Section E7.

E5.2 The Customer shall pay DTE Electric the amount billed on or before a due date established by Billing Rules approved by the Commission in cases U-10661 and U-11397. A late payment charge of 2%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent and not in dispute.

E5.3 The Customer shall retain the right to direct DTE Electric to send the monthly bill to any third party, including the Alternative Electric Supplier.

E5.4 Disconnection for Non-Payment

Customers will be subject to disconnection for non-payment of DTE Electric distribution charges that are not in dispute, in accordance with the rules described in DTE Electric’s Rules and Regulations, Section B4.

(Continued on Sheet No. E-13.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E6 DISTRIBUTION CONTRACT CAPACITY

E6.1 All Customers requiring an Advanced Electric Meter shall contract for an amount of capacity sufficient to meet the maximum requirements of all Load connected to the DTE Electric Distribution System at the Customer’s Location. The Distribution Contract Capacity will initially be set at the greater of: 1) the previously established Contract Capacity; 2) the previously established Distribution Contract Capacity; 3) the highest 30-minute integrated demand created during the previous 12 billing months at each voltage level (whether the Customer received service under this Rider or a DTE Electric retail tariff or contract), for each Location. Any single 30-minute integrated reading of the Advanced Electric Meter in any month that exceeds the Distribution Contract Capacity then in effect shall become the new Distribution Contract Capacity. Customers not having previously established service requirements shall contract with DTE Electric for a specified Distribution Contract Capacity in kW sufficient to meet the maximum requirements for each location.

E6.2 DTE Electric will provide the necessary facilities to deliver electric power from its Distribution System at the Distribution Contract Capacity. Any incremental cost incurred by DTE Electric to provide the necessary facilities to meet the Customer’s increased demand for distribution services over the Distribution Contract Capacity existing when service commences under this Rider shall be the responsibility of the Customer. Once established, the Distribution Contract Capacity shall not decrease during the contract term unless there is a specific permanent reduction in connected load.

E7 RATES AND CHARGES

Rates and charges for delivery are stated in the customer’s applicable tariff.

E7.1 Optional Advanced Electric Metered Service

The Optional Advanced Electric Metered Service is no longer available.

E8 OTHER PROVISIONS

E8.1 Retail Access Customers will be subject to the relevant curtailment procedure contained in DTE Electric’s electrical Procedures, Section C3. DTE Electric shall give Retail Access Customers the same priorities in curtailment situations as it gives Full Service Customers.

E8.2 All Points of Receipt for Power produced within the DTE Electric retail service territory for delivery to Customers within that territory shall be considered as being points located on the ITC Transmission System.

E8.3 All electric generation equipment connected in parallel with the DTE Electric system must comply with the DTE Electric Protective Relaying, Operating and Telemetering Guidelines for Independently Owned Generation and before operating such equipment must obtain certification, in writing, from DTE Electric that the conditions outlined in the guidelines have been met.

(Continued on Sheet No. E-14.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E8 OTHER PROVISIONS (Contd.)

E8.4 Customer equipment must be operated so that voltage flicker and harmonics on the DTE Electric Distribution System shall not exceed permissible limits established by DTE Electric and by IEEE Standard 519, respectively. Failure to comply with this requirement may result in discontinuance of service to the Customer and disconnection of Customer’s Load from the DTE Electric system.

E8.5 Redundant services requested by the Customer may be provided under separate agreement.

E8.6 DTE Electric’s Rules and Regulations as currently in effect are incorporated by reference into this Rider to the extent applicable and, Rule C-2.2(2) notwithstanding, only to the extent not inconsistent with the terms of this Rider.

E9 ALTERNATIVE ELECTRIC SUPPLIER

E9.1 This Rider section outlines the rights and responsibilities of Alternative Electric suppliers and DTE Electric when enrolling and serving Customers under retail access service. The Alternative Electric Supplier is the retail seller of Power Supply Service or Energy Service to the Customer on DTE Electric’s Distribution System.

E9.2 If an Alternative Electric Supplier or Marketer fails to pay amounts due DTE Electric or otherwise fails to perform obligations undertaken in connection with service to a Customer, DTE Electric will give the Customer notice of the Alternative Electric Supplier’s or Marketer’s default. If the Customer, its Alternative Electric Supplier, or its Marketer fails to pay amounts due DTE Electric or otherwise fails to comply with the provisions of the applicable Tariffs or agreements with DTE Electric, retail access service may be terminated. Unless the Customer, Alternative Electric Supplier or Marketer cures the default with DTE Electric or the Customer changes its Alternative Electric Supplier, the Customer may be returned to DTE Electric Full Service subject to the provisions of Section E4.2.

E9.3 The Alternative Electric Supplier is responsible for all of the Alternative Electric Supplier charges associated with its Customers until retail access service is terminated.

E9.4 Termination of retail access service to a Customer can be initiated by the Alternative Electric Supplier, the Customer or DTE Electric. Alternative Electric Suppliers and DTE Electric shall comply with the billing rules that govern the shut off of service, R 460.1624 et seq. and R 460.136 et seq. except that instead of providing a notice of termination, Alternative Electric Suppliers shall provide a notice of return to full service.

E10 CREDITWORTHINESS

There is no creditworthiness requirement for Alternative Electric Supplier’s unless the Alternative Electric Supplier is purchasing products or services from DTE Electric. Alternative Electric Suppliers who purchase products or services from DTE Electric must demonstrate and maintain current creditworthiness in an amount sufficient to cover anticipated charges for all those products or services. For unsecured credit, the Alternative Electric Supplier must provide three (3) years of audited financial statements, including notes, having an acceptable amount of positive tangible net worth, and meeting risk parameters derived from an analysis of its financial statements. The Alternative (Continued on Sheet No. E-15.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E10 CREDITWORTHINESS (Contd.)

Electric Supplier may provide alternative security or credit enhancement, such as a letter of guarantee, letter of credit or prepayment. DTE Electric will use reasonable credit review procedures which may include, but are not limited to, review of the Alternative Electric Supplier’s financial statements, verification that the Alternative Electric Supplier is not operating under state or federal bankruptcy laws, and has no pending lawsuits or regulatory proceedings or judgments outstanding which would have a material adverse effect on the Alternative Electric Supplier and its ability to perform its obligations. Affiliates of DTE Electric must meet these same creditworthiness requirements.

The amount of creditworthiness required is equivalent to two months expected exposure.

Following 24 months of full and timely payment to DTE Electric for service provided, an Alternative Electric Supplier shall be deemed to have sufficient credit to satisfy DTE Electric’s requirements.

E11 ELECTRONIC BUSINESS TRANSACTIONS

E11.1 Unless specified otherwise by DTE Electric in a Commission-approved tariff, Alternative Electric Suppliers shall transact all business with DTE Electric electronically.

E11.2 Unless otherwise specified by DTE Electric in a Commission-approved tariff, all payments made to DTE Electric by the Alternative Electric Supplier will be made by electronic funds transfer to the DTE Electric account.

E12 CONDITIONS PRECEDENT TO CUSTOMER ENROLLMENT

The Alternative Electric Supplier will not be eligible to enroll Customers unless and until the following conditions precedent have been satisfied and continue to be satisfied:

E12.1 The Alternative Electric Supplier has been granted a license by the Commission.

E12.2 The Alternative Electric Supplier has demonstrated electronic communication and commerce capability when purchasing products or services from DTE Electric, which meets DTE Electric’s standards and protocols as defined in tariffs approved by the Commission.

E12.3 The Alternative Electric Supplier has an executed contract with a qualified Marketer, as evidenced in an executed Alternative Electric Supplier-Marketer Notice.

E13 CONDITIONS PRECEDENT FOR SERVING CUSTOMERS

The Alternative Electric Supplier will not be permitted to serve or continue to serve Customers unless and until the following conditions precedent have been satisfied and maintained:

E13.1 The Alternative Electric Supplier has satisfied and continues to satisfy all conditions in Section E13.

(Continued on Sheet No. E-16.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E13 CONDITIONS PRECEDENT FOR SERVING CUSTOMERS (contd.)

E13.2 All required Customer metering equipment is in place and functioning properly.

E13.3 The Alternative Electric Supplier has complied with and continues to comply with all provisions of this Rider.

E14 RATES AND CHARGES

E14.1 The Alternative Electric Supplier shall pay DTE Electric the following:

A An Alternative Electric Supplier enrolling Customer(s) with the Complete Billing option shall pay DTE Electric a one-time charge of $6,600 for the Alternative Electric Supplier’s initial rate-ready schedule set-up for up to sixty rates, regardless of the number of Customers electing this option.

B An Alternative Electric Supplier enrolling Customer(s) with the Complete Billing option shall pay DTE Electric a monthly transaction charge equal to the United States Postal Service first-class mail letter rate, weight not over one ounce, for each customer account billed under the Complete Billing option.

C An Alternative Electric Supplier enrolling Customer(s) with the Complete Billing option shall pay DTE Electric $1,300 per occurrence for each change request made by the Alternative Electric Supplier to its rate-ready schedule, regardless of the number of changes in the request or the number of Customers affected.

D Any other charges to the Alternative Electric Supplier for services provided by DTE Electric will be negotiated on an individual case basis.

E14.2 DTE Electric will provide two (2) Customer Billing options-Complete Billing by DTE Electric and Separate Billing by DTE Electric and the Alternative Electric Supplier. It is the responsibility of the Alternative Electric Supplier to identify on the Customer Enrollment Form which of these options the Customer has requested.

E14.3 Allocation of Partial Payments Under Complete Billing

In the event the Customer submits a partial payment, the receipts will be applied as follows:

- First, all deposit balances to DTE Electric and DTE Gas Company (“DTE Gas”);
- Second, all past due and current balances for regulated services, e.g. electric full service, electric distribution service, natural gas services (including Gas Choice), fees, late payment charges, etc., to DTE Electric and DTE Gas;
- Third, all past due and current balances for non-regulated services, e.g. appliance service program, to DTE Electric and DTE Gas; and
- Finally, all past due and current charges pertaining to the Complete Billing option to the Alternative Electric Supplier.

(Continued on Sheet No. E-17.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E14.3 Allocation of Partial Payments Under Complete Billing (Contd)

Partial payments resulting from disputed charges shall be allocated first to undisputed charges in each of the above four categories and then to disputed charges in each of the above four categories.

14.4 DTE Electric will not pursue collection actions for any Alternative Electric Supplier.

E15 DISPUTE RESOLUTION

E15.1 DTE Electric will have no duty or obligation to resolve any complaints or disputes between or among Alternative Electric Suppliers and Marketers or any combination thereof, related to but not limited to switching Alternative Electric Suppliers, switching Marketers, termination of retail access service, Customer enrollment or Customer billing options.

E15.2 In the event of a dispute between DTE Electric and an Alternative Electric Supplier, including but not limited to “Events of Default,” the Parties may attempt, in good faith, to resolve the dispute amicably and promptly. If the dispute is not resolved in five (5) business days, the Parties may attempt to resolve the dispute by promptly appointing a senior representative of each Party to attempt to mutually agree upon a resolution. The two senior members shall meet within ten (10) business days. If the two senior representatives cannot reach a resolution within a 30-day period, the dispute may, on demand of either Party, be submitted to arbitration as provided in this section.

E15.3 The dispute will be submitted for resolution in accordance with the American Arbitration Association (“AAA”) Commercial Arbitration Rules. The judgment rendered by the arbitrator may be enforced in any court having jurisdiction of the subject matter and the Parties.

E15.4 If the parties are unable to agree on an arbitrator, the arbitrator shall be determined by AAA.

E15.5 The findings and award of the arbitrator shall be final and conclusive and shall be binding upon the Parties, except as otherwise provided by law. Any award shall specify the manner and extent of the division of the costs between the Parties.

E15.6 Nothing in this Section shall restrict the rights of either Party to file a formal complaint with an appropriate regulatory agency regarding any issue the adjudication of which lies within the exclusive jurisdiction of the regulatory agency.

E16 CUSTOMER PROTECTION

E16.1 Alternative Electric Suppliers shall warrant that the Customer has duly authorized the submitted enrollment and the Alternative Electric Supplier has complied with the provisions of 2000 P.A. 141 or any applicable commission rules developed pursuant to 2000 P.A. 141 to prevent slamming.

(Continued on Sheet No. E-18.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

E16  CUSTOMER PROTECTION

E16.2  The maximum early termination fee for residential contracts of one year or less shall not exceed $50. The maximum early termination fee for residential contracts of longer than one year shall not exceed $100.

E16.3  It is the Alternative Electric Suppliers responsibility to have a current valid contract with the customer at all times. Any contract that is not signed by the customer or Legally Authorized Person shall be considered null and void. Only the customer account holder or Legally Authorized Person shall be permitted to sign a contract. An Alternative Electric Supplier and its agent shall make reasonable inquiries to confirm that the individual signing the contract is a Legally Authorized Person. For each customer, an Alternative Electric Supplier must be able to demonstrate that a customer has made a knowing selection of the Alternative Electric Supplier by at least one of the following verification records:

1)  An original signature from the customer account holder or Legally Authorized Person.
2)  Independent third party verification with an audio recording of the entire verification call.
3)  An e-mail address if signed up through the Internet.

The Commission or its Staff may request a reasonable number of records from an Alternative Electric Supplier to verify compliance with this customer verification provision, and in addition, may request records for any customer due to a dispute.

E16.4  An Alternative Electric Supplier must distribute a confirmation letter to residential customers by U.S. mail. The confirmation letter must be postmarked within seven (7) days of the customer or Legally Authorized Person signing a contract with the Alternative Electric Supplier. The confirmation letter must include the date the letter was sent, the date the contract was signed, the term of the contract with end date, the fixed or variable rate charged, the unconditional cancellation period, any early termination fee, the Alternative Electric Supplier’s phone number, the Commission’s toll-free number and DTE Electric’s emergency contact information.

E16.5  DTE Electric provides Residential Customers with pending enrollments with an Alternative Electric Supplier, a 14-day notice period in which the Customer may cancel the enrollment before the switch is executed. If the Customer challenges the enrollment the switch transaction is cancelled, the affected Alternative Electric Supplier(s) are notified, and the enrolling Alternative Electric Supplier shall be assessed the $5 switching fee instead of the Customer. If the Customer cancels an enrollment in error, the enrolling Alternative Electric Supplier’s remedy is to discuss the situation with the Customer and submit a new enrollment.

Commercial and Industrial ROA Customers’ right to cancel an enrollment shall be in accordance with the terms of their contract with their Alternative Electric Supplier(s).

(Continued on Sheet No. E-19.00)
RETAIL ACCESS SERVICE RIDER – RIDER EC2 (Contd.)

**E16.6** A supplier must allow the Staff of the Commission an opportunity to review and comment on its residential contract(s) and residential marketing material at least five business days before the Supplier intends to use these contract(s) and marketing material in the marketplace.

**MARKETER SECTION**

**E17 REAL POWER LOSSES**

The Marketer used by the Alternative Electric Supplier is responsible for replacing losses associated with the delivery of power to the Customer’s meter. The amount of Power delivered by DTE Electric on the DTE Electric Distribution System to the Customer’s meter shall be adjusted using the following real power loss factors for distribution service:

<table>
<thead>
<tr>
<th></th>
<th>1st Quarter</th>
<th>2nd Quarter</th>
<th>3rd Quarter</th>
<th>4th Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secondary</td>
<td>10.88%</td>
<td>11.95%</td>
<td>12.01%</td>
<td>10.23%</td>
</tr>
<tr>
<td>4.8/13.2 kV</td>
<td>6.61%</td>
<td>7.13%</td>
<td>7.37%</td>
<td>6.31%</td>
</tr>
<tr>
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<td>1.86%</td>
<td>2.09%</td>
<td>2.34%</td>
<td>1.90%</td>
</tr>
<tr>
<td>120 kV and above</td>
<td>0.55%</td>
<td>0.57%</td>
<td>0.57%</td>
<td>0.55%</td>
</tr>
</tbody>
</table>

Marketers must schedule and supply an amount of Power equal to its Customers’ hourly usage x (1 + D%) to account for losses on the DTE Electric Distribution System, where D% is the applicable loss factor from the table above.

**E18 HOURLY USAGE DATA TO SUPPORT MISO SETTLEMENT**

**E18.1 Meter Data Management Agent**

At the option of the Marketer, DTE Electric will act as their Meter Data Management Agent (MDMA) for their customer loads within DTE Electric’s service area. The Marketer is under no obligation to take this service from DTE Electric.

*If the Marketer takes MDMA service from DTE Electric, then DTE Electric shall provide the Marketer with the same data it reports to MISO at the same time it reports such data to MISO and in usable computer form. If DTE subsequently corrects the data it reports to MISO, then DTE Electric shall provide the corrected data to the Marketer at the same time and shall identify which data, including hourly meter readings, are being corrected.*

**E18.2 Hourly Usage Data for Customers With Advanced Electric or AMI Meter Reads or Other Metering with Available Hourly Integrated Data**

Hourly usage will be the customer’s actual measured usage for each hour increment as recorded by the Advanced Electric or AMI meter or other meter.

(Continued on Sheet No. E-20.00)
E18.3 Hourly Usage Data for Customers Without Advanced Electric or AMI Meter Reads or Other Metering with Available Hourly Integrated Data

Hourly usage data for customers without Advanced Electric or AMI meter reads or other metering with available hourly integrated data will be determined in the same manner as for full service customers without such metering, including through the use of CPNode profiles. For each CPNode, profiles are developed based on 12 months of historical hourly usage and temperature data to determine the load in kWh for every MW of enrolled capacity.

Residential customers electing to opt out of AMI metering installation and without other metering with available hourly integrated data will have hourly usage data determined in the same manner as for full service residential customers without such metering, including profiled data used for MISO energy market settlement.
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