
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:

Energy Charges: **6.900¢** per kWh for the first 17 kWh per day
 8.246¢ per kWh for excess over 17 kWh per day

Delivery Charges:

Service Charge: \$6.00 per month
Distribution Charge: **4.969¢** 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:

Delivery Charges:

Service Charge: \$6.00 per month
Distribution Charge: **4.969¢** 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.

(Continued on [Sheet No. D-2.00](#))

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:

Energy Charges: **6.726¢** per kWh for the first 17 kWh per day
 8.136¢ per kWh for excess over 17 kWh per day

Delivery Charges:

Service Charge: \$6.00 per month
Distribution Charge: **4.195¢** 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:

Delivery Charges:

Service Charge: \$6.00 per month
Distribution Charge: **4.195¢** 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.

(Continued on [Sheet No. D-2.00](#))

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:

Energy Charges: **6.486¢** per kWh for the first 17 kWh per day
7.896¢ per kWh for excess over 17 kWh per day

Delivery Charges:

Service Charge **\$6.00 per month**
Distribution Charge: **3.547¢** 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:

Delivery Charges:

Service Charge **\$6.00 per month**
Distribution Charge: **3.547¢** 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.

(Continued on [Sheet No. D-2.00](#))

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:

Energy Charges: 4.531¢ per kWh for the first 17 kWh per day
5.941¢ per kWh for excess over 17 kWh per day

Delivery Charges:

Distribution Charge: 4.284¢ 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:

Delivery Charges:

Distribution Charge: 4.284¢ 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.

(Continued on [Sheet No. D-2.00](#))

(Continued from [Sheet No. D-1.00](#))

RATE SCHEDULE NO. D1 (CONTD)

RESIDENTIAL SERVICE RATE

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.

SUPPLEMENTAL SPACE HEATING PROVISION: Rate D1.5 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: \$(6.00) per customer per month

AUXILIARY POWER PROVISION: Residential customers desiring electric service as an auxiliary source of power for wind or solar powered generating equipment shall take service under this rate schedule under special agreement with the Company.

Parallel operation of private electric generation is not permitted except by written permission of the Company.

The customer having auxiliary power shall pay all direct costs of controlling and protective equipment necessitated by the presence of a source of power on his premises.

The customer shall pay the charges set forth above. The customer may elect to sell energy back to the Company at the rate of 3.1¢ per kWh delivered.

Customers selling energy to the Company shall pay a service charge of 12.4¢ per day in addition to their standard daily billing.

(Continued on [Sheet No. D-3.00](#))

Issued February 9, 2010

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-1.00](#))

RATE SCHEDULE NO. D1 (CONTD)

RESIDENTIAL SERVICE RATE

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.

SUPPLEMENTAL SPACE HEATING PROVISION: Rate D1.5 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 110% of the Federal poverty level.

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: \$(6.00) per customer per month

AUXILIARY POWER PROVISION: Residential customers desiring electric service as an auxiliary source of power for wind or solar powered generating equipment shall take service under this rate schedule under special agreement with the Company.

Parallel operation of private electric generation is not permitted except by written permission of the Company.

The customer having auxiliary power shall pay all direct costs of controlling and protective equipment necessitated by the presence of a source of power on his premises.

The customer shall pay the charges set forth above. The customer may elect to sell energy back to the Company at the rate of 3.1¢ per kWh delivered.

Customers selling energy to the Company shall pay a service charge of 12.4¢ per day in addition to their standard daily billing.

(Continued on [Sheet No. D-3.00](#))

(Continued from [Sheet No. D-1.00](#))

RATE SCHEDULE NO. D1 (CONTD)

RESIDENTIAL SERVICE RATE

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

MINIMUM CHARGE: *The Service Charge*

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.

SUPPLEMENTAL SPACE HEATING PROVISION: Rate D1.5 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 110% of the Federal poverty level.*

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: \$(6.00) per customer per month

AUXILIARY POWER PROVISION: Residential customers desiring electric service as an auxiliary source of power for wind or solar powered generating equipment shall take service under this rate schedule under special agreement with the Company.

Parallel operation of private electric generation is not permitted except by written permission of the Company.

The customer having auxiliary power shall pay all direct costs of controlling and protective equipment necessitated by the presence of a source of power on his premises.

The customer shall pay the charges set forth above. The customer may elect to sell energy back to the Company at the rate of 3.1¢ per kWh delivered.

Customers selling energy to the Company shall pay a service charge of 12.4¢ per day in addition to their standard daily billing.

(Continued on [Sheet No. D-3.00](#))

(Continued from [Sheet No. D-1.00](#))

RATE SCHEDULE NO. D1 (CONTD)

RESIDENTIAL SERVICE RATE

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

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh.

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 C4.9.

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

SUPPLEMENTAL SPACE HEATING PROVISION: Rate D1.5 is available on an optional basis.

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

AUXILIARY POWER PROVISION: Residential customers desiring electric service as an auxiliary source of power for wind or solar powered generating equipment shall take service under this rate schedule under special agreement with the Company.

Parallel operation of private electric generation is not permitted except by written permission of the Company.

The customer having auxiliary power shall pay all direct costs of controlling and protective equipment necessitated by the presence of a source of power on his premises.

The customer shall pay the charges set forth above. The customer may elect to sell energy back to the Company at the rate of 3.1¢ per kWh delivered.

Customers selling energy to the Company shall pay a service charge of 12.4¢ per day in addition to their standard daily billing.

FARM SERVICE PROVISION: "Farm" (Residential) means a single or double occupancy dwelling unit which has produced, or would normally produce, agricultural products of a value of \$5,000 or more annually, as reported on IRS Form 1040, Schedule F.

Customers taking service under this rate schedule who, in addition to normal household requirements, use energy purchased for various farm operations may elect to take service under this provision. To qualify for this provision, a customer must certify in writing that he is an operator of a farm which utilized household electricity for agricultural purposes. Customers who qualify and elect this provision will be charged as follows:

(Continued on [Sheet No. D-3.00](#))

(Continued from [Sheet No. D-2.00](#))

RATE SCHEDULE NO. D1 (CONTD)

RESIDENTIAL SERVICE RATE

THE FARM SERVICE WILL TERMINATE ON A SERVICE RENDERED BASIS, EFFECTIVE 90 DAYS AFTER FINAL RATES ARE APPROVED IN MPSC CASE NUMBER U-16472.

FARM SERVICE PROVISION (D1a): "Farm" (Residential) means a single or double occupancy dwelling unit which has produced, or would normally produce, agricultural products of a value of \$5,000 or more annually, as reported on IRS Form 1040, Schedule F.

Customers taking service under this rate schedule who, in addition to normal household requirements, use energy purchased for various farm operations may elect to take service under this provision. To qualify for this provision, a customer must certify in writing that he is an operator of a farm which utilized household electricity for agricultural purposes. Customers who qualify and elect this provision will be charged as follows:

FARM SERVICE PROVISION RATE PER DAY:

Full Service Customers:

Power Supply Charges:

Energy Charge: 7.308¢ per kWh for all kWh

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.850¢ 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:

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.850¢ 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.

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh plus the service charge and any applicable per meter per month surcharges.

(Continued from [Sheet No. D-2.00](#))

RATE SCHEDULE NO. D1 (CONTD)

RESIDENTIAL SERVICE RATE

FARM SERVICE PROVISION: "Farm" (Residential) means a single or double occupancy dwelling unit which has produced, or would normally produce, agricultural products of a value of \$5,000 or more annually, as reported on IRS Form 1040, Schedule F.

Customers taking service under this rate schedule who, in addition to normal household requirements, use energy purchased for various farm operations may elect to take service under this provision. To qualify for this provision, a customer must certify in writing that he is an operator of a farm which utilized household electricity for agricultural purposes. Customers who qualify and elect this provision will be charged as follows:

FARM SERVICE PROVISION RATE PER DAY:

Full Service Customers:

Power Supply Charges:

Energy Charge: 7.308¢ per kWh for all kWh

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.850¢ 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:

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.850¢ 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.

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh plus the service charge and any applicable per meter per month surcharges.

(Continued from [Sheet No. D-2.00](#))

RATE SCHEDULE NO. D1 (CONTD)

RESIDENTIAL SERVICE RATE

FARM SERVICE PROVISION: "Farm" (Residential) means a single or double occupancy dwelling unit which has produced, or would normally produce, agricultural products of a value of \$5,000 or more annually, as reported on IRS Form 1040, Schedule F.

Customers taking service under this rate schedule who, in addition to normal household requirements, use energy purchased for various farm operations may elect to take service under this provision. To qualify for this provision, a customer must certify in writing that he is an operator of a farm which utilized household electricity for agricultural purposes. Customers who qualify and elect this provision will be charged as follows:

FARM SERVICE PROVISION RATE PER DAY:

Full Service Customers:

Power Supply Charges:

Energy Charge: 7.065¢ per kWh for all kWh

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.200¢ 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:

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.200¢ 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.

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh plus the service charge *and any applicable per meter per month surcharges.*

Issued October 20, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after October 20, 2009

Issued under authority of the
Michigan Public Service Commission
dated August 25, 2009
In Case No. U-15806

(Continued from [Sheet No. D-2.00](#))

RATE SCHEDULE NO. D1 (CONTD)

RESIDENTIAL SERVICE RATE

FARM SERVICE PROVISION: "Farm" (Residential) means a single or double occupancy dwelling unit which has produced, or would normally produce, agricultural products of a value of \$5,000 or more annually, as reported on IRS Form 1040, Schedule F.

Customers taking service under this rate schedule who, in addition to normal household requirements, use energy purchased for various farm operations may elect to take service under this provision. To qualify for this provision, a customer must certify in writing that he is an operator of a farm which utilized household electricity for agricultural purposes. Customers who qualify and elect this provision will be charged as follows:

FARM SERVICE PROVISION RATE PER DAY:

Full Service Customers:

Power Supply Charges:

Energy Charge: 7.065¢ per kWh for all kWh

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.200¢ 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:

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.200¢ 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.

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh plus the service charge.

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-2.00](#))

RATE SCHEDULE NO. D1 (CONTD)

RESIDENTIAL SERVICE RATE

FARM SERVICE PROVISION RATE PER DAY:

Full Service Customers:

Power Supply Charges:

Energy Charge: 5.118¢ per kWh for all kWh

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.102¢ 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:

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: 4.102¢ 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.

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh plus the service charge.

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:

Energy Charge (June through October):	5.980¢ per kWh for all kWh
Energy Charge (November through May):	3.788¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge (June through October):	\$1.95 per month
Distribution Charge (Year-round):	5.341¢ per kWh for all kWh

Commercial Power Supply Charges:

Energy Charge (June through October):	7.273¢ per kWh for all kWh
Energy Charge (November through May):	4.773¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge (June through October):	\$1.95 per month
Distribution Charge (Year-round):	2.402¢ per kWh for all kWh

(Continued on [Sheet No. D-5.00](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

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:

Energy Charge (June through October):	5.853¢ per kWh for all kWh
Energy Charge (November through May):	3.889¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge (June through October):	\$1.95 per month
Distribution Charge (Year-round):	4.498¢ per kWh for all kWh

Commercial Power Supply Charges:

Energy Charge (June through October):	6.678¢ per kWh for all kWh
Energy Charge (November through May):	4.178¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge (June through October):	\$1.95 per month
Distribution Charge (Year-round):	2.610¢ per kWh for all kWh

(Continued on [Sheet No. D-5.00](#))

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:

Energy Charge (June through October):	5.657¢ per kWh for all kWh
Energy Charge (November through May):	3.761¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge (June through October):	\$1.95 per month
Distribution Charge (Year-round):	3.823¢ per kWh for all kWh

Commercial Power Supply Charges:

Energy Charge (June through October):	6.820¢ per kWh for all kWh
Energy Charge (November through May):	4.320¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge (June through October):	\$1.95 per month
Distribution Charge (Year-round):	2.132¢ per kWh for all kWh

(Continued on [Sheet No. D-5.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

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:

Energy Charge (June through October):	3.800¢ per kWh for all kWh
Energy Charge (November through May):	2.000¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge (June through October):	\$1.95 per month
Distribution Charge (Year-round):	3.722¢ per kWh for all kWh

Commercial Power Supply Charges:

Energy Charge (June through October):	4.653¢ per kWh for all kWh
Energy Charge (November through May):	2.375¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge (June through October):	\$1.95 per month
Distribution Charge (Year-round):	2.715¢ per kWh for all kWh

(Continued on [Sheet No. D-5.00](#))

(Continued from [Sheet No. D-4.00](#))

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 Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	5.341¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	2.133¢ 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.

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.

Issued November 1, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-4.00](#))

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 Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	4.498¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	2.520¢ 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.

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.

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-4.00](#))

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 Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	3.823¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	1.820¢ 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.

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.

Issued October 20, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after October 20, 2009

Issued under authority of the
Michigan Public Service Commission
dated August 25, 2009
In Case No. U-15806

(Continued from [Sheet No. D-4.00](#))

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 Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	3.823¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	1.820¢ 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.

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

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.

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-4.00](#))

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 Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	3.722¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge June through October):	\$1.95 per month
Distribution Charge (Year-round):	2.414¢ 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.

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

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 whose previous twelve months average usage is equal to or greater than 750 kWh/month, or less at the option of the Company, and desires time of day service for their residential dwelling. Customers who select this rate must qualify for the Residential Service rate D1. This rate is available to no more than 10,000 customers per year.

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:

Energy Charge (June through October):

12.361¢ per kWh for all On-peak kWh

4.155¢ per kWh for all Off-peak kWh

Energy Charge (November through May):

10.441¢ per kWh for all On-peak kWh

3.992¢ 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.

Delivery Charges:

Service Charge: \$19.00 per month

Distribution Charge: **6.199¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$19.00 per month

Distribution Charge: **6.199¢** per kWh for all kWh

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

(Continued on [Sheet No. D-7.00](#))

RATE SCHEDULE NO. D1.2**RESIDENTIAL TIME-OF-DAY SERVICE RATE**

AVAILABILITY OF SERVICE: Available on an optional basis to customers whose previous twelve months average usage is equal to or greater than 750 kWh/month, or less at the option of the Company, and desires time of day service for their residential dwelling. Customers who select this rate must qualify for the Residential Service rate D1. This rate is available to no more than 10,000 customers per year.

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:

Energy Charge (June through October):

11.931¢ per kWh for all On-peak kWh

3.816¢ per kWh for all Off-peak kWh

Energy Charge (November through May):

10.036¢ per kWh for all On-peak kWh

3.662¢ 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.

Delivery Charges:

Service Charge: \$19.00 per month

Distribution Charge: 5.264¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$19.00 per month

Distribution Charge: 5.264¢ per kWh for all kWh

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

(Continued on [Sheet No. D-7.00](#))

RATE SCHEDULE NO. D1.2**RESIDENTIAL TIME-OF-DAY SERVICE RATE**

AVAILABILITY OF SERVICE: Available on an optional basis to customers whose previous twelve months average usage is equal to or greater than 750 kWh/month, or less at the option of the Company, and desires time of day service for their residential dwelling. Customers who select this rate must qualify for the Residential Service rate D1. This rate is available to no more than 10,000 customers per year.

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:

Energy Charge (June through October):

11.550¢ per kWh for all On-peak kWh

3.650¢ per kWh for all Off-peak kWh

Energy Charge (November through May):

9.770¢ per kWh for all On-peak kWh

3.545¢ 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.

Delivery Charges:

Service Charge: \$19.00 per month

Distribution Charge: *4.480¢* per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$19.00 per month

Distribution Charge: *4.480¢* per kWh for all kWh

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

(Continued on [Sheet No. D-7.00](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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In Case No. U-15244

RATE SCHEDULE NO. D1.2

RESIDENTIAL TIME-OF-DAY SERVICE RATE

AVAILABILITY OF SERVICE: Available on an optional basis to customers whose previous twelve months average usage is equal to or greater than 750 kWh/month, or less at the option of the Company, and desires time of day service for their residential dwelling. Customers who select this rate must qualify for the Residential Service rate D1. This rate is available to no more than 10,000 customers per year.

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:

Energy Charge (June through October):

8.750¢ per kWh for all On-peak kWh

2.100¢ per kWh for all Off-peak kWh

Energy Charge (November through May):

7.000¢ per kWh for all On-peak kWh

2.025¢ 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.

Delivery Charges:

Service Charge: \$19.00 per month

Distribution Charge: 4.359¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$19.00 per month

Distribution Charge: 4.359¢ per kWh for all kWh

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

(Continued on [Sheet No. D-7.00](#))

(Continued from [Sheet No. D-6.00](#))

RATE SCHEDULE NO. D1.2 (CONTD)

RESIDENTIAL TIME-OF-DAY SERVICE RATE

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

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 except that Option II--Combined Meter--Controlled is not available.

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

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D. G. Brudzynski
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Regulatory Affairs

Detroit, Michigan

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dated October 10, 2007
In Case No. U-15152

(Continued from [Sheet No. D-6.00](#))

RATE SCHEDULE NO. D1.2 (CONTD)

RESIDENTIAL TIME-OF-DAY SERVICE RATE

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

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 except that Option II--Combined Meter--Controlled is not available.

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

RATE SCHEDULE NO. D1.3**SENIOR CITIZEN RESIDENTIAL SERVICE RATE**

AVAILABILITY OF SERVICE: Available to customers desiring service for all residential purposes through one meter to a single occupancy or individual dwelling unit including farm dwellings. To qualify for this rate, the customer must be at least 62 years of age and head of the household. As a condition of service under this rate, a customer must agree to permit the Company to control some of his appliances, if and when the Company implements such control equipment. Customers with electric water heaters must receive service under Controlled Water Heating Rate D5. Residential appliances subject to control may be central air-conditioning, dishwashers and electric clothes dryers. The exact nature and conditions of control of devices, however, shall be those authorized by the Commission pursuant to a subsequent hearings procedure.

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:**

Energy Charges:

4.724¢ per kWh for the first 10 kWh per day

14.507¢ per kWh for excess over 10 kWh per day

Delivery Charges:

Service Charge \$6.00 per month

Distribution Charge: **1.947¢** 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:**Delivery Charges:**

Service Charge \$6.00 per month

Distribution Charge: **1.947¢** 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.

SPACE HEATING PROVISION: For customers in which all of the space heating is supplied by electric service through the same meter and is installed on a permanent basis, usage in excess of 10 kWh per day for the billing months of November through May shall be billed a Power Supply charge of **5.937¢** per kWh and a Distribution charge of **4.260¢** per kWh.

(Continued on [Sheet No. D-9.00](#))

RATE SCHEDULE NO. D1.3**SENIOR CITIZEN RESIDENTIAL SERVICE RATE**

AVAILABILITY OF SERVICE: Available to customers desiring service for all residential purposes through one meter to a single occupancy or individual dwelling unit including farm dwellings. To qualify for this rate, the customer must be at least 62 years of age and head of the household. As a condition of service under this rate, a customer must agree to permit the Company to control some of his appliances, if and when the Company implements such control equipment. Customers with electric water heaters must receive service under Controlled Water Heating Rate D5. Residential appliances subject to control may be central air-conditioning, dishwashers and electric clothes dryers. The exact nature and conditions of control of devices, however, shall be those authorized by the Commission pursuant to a subsequent hearings procedure.

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:**

Energy Charges:

4.803¢ per kWh for the first 10 kWh per day

13.568¢ per kWh for excess over 10 kWh per day

Delivery Charges:

Service Charge \$6.00 per month

Distribution Charge: **1.413¢** 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:**Delivery Charges:**

Service Charge \$6.00 per month

Distribution Charge: **1.413¢** 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.

SPACE HEATING PROVISION: For customers in which all of the space heating is supplied by electric service through the same meter and is installed on a permanent basis, usage in excess of 10 kWh per day for the billing months of November through May shall be billed a Power Supply charge of **6.174¢** per kWh and a Distribution charge of **3.097¢** per kWh.

(Continued on [Sheet No. D-9.00](#))

RATE SCHEDULE NO. D1.3**SENIOR CITIZEN RESIDENTIAL SERVICE RATE**

AVAILABILITY OF SERVICE: Available to customers desiring service for all residential purposes through one meter to a single occupancy or individual dwelling unit including farm dwellings. To qualify for this rate, the customer must be at least 62 years of age and head of the household. As a condition of service under this rate, a customer must agree to permit the Company to control some of his appliances, if and when the Company implements such control equipment. Customers with electric water heaters must receive service under Controlled Water Heating Rate D5. Residential appliances subject to control may be central air-conditioning, dishwashers and electric clothes dryers. The exact nature and conditions of control of devices, however, shall be those authorized by the Commission pursuant to a subsequent hearings procedure.

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:****Energy Charges:**

4.575¢ per kWh for the first 10 kWh per day

13.340¢ per kWh for excess over 10 kWh per day

Delivery Charges:

Service Charge \$6.00 per month

Distribution Charge: 0.969¢ 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:**Delivery Charges:**

Service Charge \$6.00 per month

Distribution Charge: 0.969¢ 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.

SPACE HEATING PROVISION: For customers in which all of the space heating is supplied by electric service through the same meter and is installed on a permanent basis, usage in excess of 10 kWh per day for the billing months of November through May shall be billed a Power Supply charge of *5.437¢* per kWh and a Distribution charge of *2.756¢* per kWh.

(Continued on [Sheet No. D-9.00](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

RATE SCHEDULE NO. D1.3

SENIOR CITIZEN RESIDENTIAL SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers desiring service for all residential purposes through one meter to a single occupancy or individual dwelling unit including farm dwellings. To qualify for this rate, the customer must be at least 62 years of age and head of the household. As a condition of service under this rate, a customer must agree to permit the Company to control some of his appliances, if and when the Company implements such control equipment. Customers with electric water heaters must receive service under controlled water heating rate D5. Residential appliances subject to control may be central air-conditioning, dishwashers and electric clothes dryers. The exact nature and conditions of control of devices, however, shall be those authorized by the Commission pursuant to a subsequent hearings procedure.

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:

Energy Charges:

3.131¢ per kWh for the first 10 kWh per day

9.883¢ per kWh for excess over 10 kWh per day

Delivery Charges:

Distribution Charge: 2.706¢ 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:

Delivery Charges:

Distribution Charge: 2.706¢ 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.

SPACE HEATING PROVISION: For customers in which all of the space heating is supplied by electric service through the same meter and is installed on a permanent basis, usage in excess of 10 kWh per day for the billing months of November through May shall be billed a Power Supply charge of 3.625¢ per kWh and a Distribution charge of 3.399¢ per kWh.

(Continued on [Sheet No. D-9.00](#))

(Continued from [Sheet No. D-8.00](#))

Rate Schedule No. D1.3 (Contd)

Senior Citizen Residential Service Rate

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

MINIMUM CHARGE: *The Service Charge.*

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

WATER HEATING SERVICE: See Schedule Designation No. D5.

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

SUPPLEMENTAL SPACE HEATING PROVISION: Rate D1.5 is available on an optional basis.

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D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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In Case No. U-15244

(Continued from [Sheet No. D-8.00](#))

Rate Schedule No. D1.3 (Contd)

Senior Citizen Residential Service Rate

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

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh.

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

WATER HEATING SERVICE: See Schedule Designation No. D5.

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

SUPPLEMENTAL SPACE HEATING PROVISION: Rate D1.5 is available on an optional basis.

RATE SCHEDULE NO. D1.4

**OPTIONAL RESIDENTIAL SERVICE RATE
(TIME-OF-DAY FARM AND SPACE HEATING RATE)**

AVAILABILITY OF SERVICE: Available to customers for full time farm and/or space heating use for individual single family dwellings, or separately metered apartments and in the usual appurtenant buildings served through the residential meters. The customer must contract to receive service under this rate for a minimum of 12 months. To qualify for the farm and/or space heating rate, the prospective customer must conform to the eligibility requirements as established in the Farm Service Provisions on tariff sheets D1a or D2, respectively.

This rate is available only to installations being served on this rate prior to January 22, 1994.

CURRENT, PHASE AND VOLTAGE: Same as Residential Space Heating Rate D2.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charge:

On-Peak kWh: **7.670¢** per kWh for all kWh

Off-Peak kWh: **4.271¢** per kWh for all kWh

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

Off-Peak: All other kWh used.

Delivery Charges:

Service Charge: \$6.51 per month

Distribution Charge: **5.610¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$6.51 per month

Distribution Charge: **5.610¢** per kWh for all kWh

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

(Continued on [Sheet No. D-11.00](#))

RATE SCHEDULE NO. D1.4

OPTIONAL RESIDENTIAL SERVICE RATE
(TIME-OF-DAY FARM AND SPACE HEATING RATE)

AVAILABILITY OF SERVICE: Available to customers for full time farm and/or space heating use for individual single family dwellings, or separately metered apartments and in the usual appurtenant buildings served through the residential meters. The customer must contract to receive service under this rate for a minimum of 12 months. To qualify for the farm and/or space heating rate, the prospective customer must conform to the eligibility requirements as established *in the Farm Service Provisions* on tariff sheets D1a or D2, respectively.

This rate is available only to installations being served on this rate prior to January 22, 1994.

CURRENT, PHASE AND VOLTAGE: Same as Residential Space Heating Rate D2.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charge:

On-Peak kWh: **7.663¢** per kWh for all kWh

Off-Peak kWh: **4.264¢** per kWh for all kWh

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

Off-Peak: All other kWh used.

Delivery Charges:

Service Charge: \$6.51 per month

Distribution Charge: **5.575¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$6.51 per month

Distribution Charge: **5.575¢** per kWh for all kWh

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

(Continued on [Sheet No. D-11.00](#))

Issued November 1, 2011

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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In Case No. U-16472

RATE SCHEDULE NO. D1.4**OPTIONAL RESIDENTIAL SERVICE RATE**
(TIME-OF-DAY FARM AND SPACE HEATING RATE)

AVAILABILITY OF SERVICE: Available to customers for full time farm and/or space heating use for individual single family dwellings, or separately metered apartments and in the usual appurtenant buildings served through the residential meters. The customer must contract to receive service under this rate for a minimum of 12 months. To qualify for the farm and/or space heating rate, the prospective customer must conform to the eligibility requirements as established on tariff sheets D1a or D2, respectively.

This rate is available only to installations being served on this rate prior to January 22, 1994.

CURRENT, PHASE AND VOLTAGE: Same as Residential Space Heating Rate D2.

RATE PER MONTH:**Full Service Customers:****Power Supply Charges:**

Energy Charge:

On-Peak kWh: 7.559¢ per kWh for all kWh

Off-Peak kWh: 4.160¢ per kWh for all kWh

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

Off-Peak: All other kWh used.

Delivery Charges:

Service Charge: \$6.51 per month

Distribution Charge: 4.778¢ per kWh for all kWh

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

Retail Access Service Customers:**Delivery Charges:**

Service Charge: \$6.51 per month

Distribution Charge: 4.778¢ per kWh for all kWh

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

(Continued on [Sheet No. D-11.00](#))

RATE SCHEDULE NO. D1.4

OPTIONAL RESIDENTIAL SERVICE RATE
(TIME-OF-DAY FARM AND SPACE HEATING RATE)

AVAILABILITY OF SERVICE: Available to customers for full time farm and/or space heating use for individual single family dwellings, or separately metered apartments and in the usual appurtenant buildings served through the residential meters. The customer must contract to receive service under this rate for a minimum of 12 months. To qualify for the farm and/or space heating rate, the prospective customer must conform to the eligibility requirements as established on tariff sheets D1a or D2, respectively.

This rate is available only to installations being served on this rate prior to January 22, 1994.

CURRENT, PHASE AND VOLTAGE: Same as Residential Space Heating Rate D2.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charge:

On-Peak kWh: **7.318¢** per kWh for all kWh

Off-Peak kWh: **4.015¢** per kWh for all kWh

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

Off-Peak: All other kWh used.

Delivery Charges:

Service Charge: \$6.51 per month

Distribution Charge: **4.107¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$6.51 per month

Distribution Charge: **4.107¢** per kWh for all kWh

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

(Continued on [Sheet No. D-11.00](#))

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D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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In Case No. U-15244

RATE SCHEDULE NO. D1.4

OPTIONAL RESIDENTIAL SERVICE RATE
(TIME-OF-DAY FARM AND SPACE HEATING RATE)

AVAILABILITY OF SERVICE: Available to customers for full time farm and/or space heating use for individual single family dwellings, or separately metered apartments and in the usual appurtenant buildings served through the residential meters. The customer must contract to receive service under this rate for a minimum of 12 months. To qualify for the farm and/or space heating rate, the prospective customer must conform to the eligibility requirements as established on tariff sheets D1a or D2, respectively.

This rate is available only to installations being served on this rate prior to January 22, 1994.

CURRENT, PHASE AND VOLTAGE: Same as Residential Space Heating Rate D2.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charge:

On-Peak kWh: 5.428¢ per kWh for all kWh

Off-Peak kWh: 2.236¢ per kWh for all kWh

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

Off-Peak: All other kWh used.

Delivery Charges:

Service Charge: \$6.51 per month

Distribution Charge: 4.008¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$6.51 per month

Distribution Charge: 4.008¢ per kWh for all kWh

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

(Continued on [Sheet No. D-11.00](#))

(Continued from [Sheet No. D-10.00](#))

RATE SCHEDULE NO. D1.4 (CONTD)

OPTIONAL RESIDENTIAL SERVICE RATE
(TIME-OF-DAY FARM AND SPACE HEATING RATE)

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

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

WATER HEATING SERVICE: Customers with electric water heating can take water heating service under either Option I or Option III of Water Heating Service Rate D5.

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

(Continued from [Sheet No. D-10.00](#))

RATE SCHEDULE NO. D1.4 (CONTD)

OPTIONAL RESIDENTIAL SERVICE RATE
(TIME-OF-DAY FARM AND SPACE HEATING RATE)

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

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

WATER HEATING SERVICE: Customers with electric water heating can take water heating service under either Option I or Option III of Water Heating Service Rate D5.

INSULATION STANDARDS FOR ELECTRIC HEATING: See Section C4.10.

RATE SCHEDULE NO. D1.5 RESIDENTIAL SUPPLEMENTAL SPACE HEATING SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers desiring service for Supplemental Electric Space Heating for that portion of the home which is heated with permanently installed separately metered electric space heating unit(s) totaling 3 kW or more. This rate is not available for heat pumps.

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 MONTH: For separately metered supplemental space heating service.

Full Service Customers:

Power Supply Charges:

Energy Charge: **4.883¢** per kWh for all kWh

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **5.589¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **5.589¢** per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

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. D1.5 RESIDENTIAL SUPPLEMENTAL SPACE HEATING SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers desiring service for Supplemental Electric Space Heating for that portion of the home which is heated with permanently installed separately metered electric space heating unit(s) totaling 3 kW or more. This rate is not available for heat pumps.

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 MONTH: For separately metered supplemental space heating service.

Full Service Customers:

Power Supply Charges:

Energy Charge: **4.766¢** per kWh for all kWh

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **4.766¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **4.766¢** per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

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. D1.5 RESIDENTIAL SUPPLEMENTAL SPACE HEATING SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers desiring service for Supplemental Electric Space Heating for that portion of the home which is heated with permanently installed separately metered electric space heating unit(s) totaling 3 kW or more. This rate is not available for heat pumps.

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 MONTH: For separately metered supplemental space heating service.

Full Service Customers:

Power Supply Charges:

Energy Charge: **4.635¢** per kWh for all kWh

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **4.050¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **4.050¢** per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

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. D1.5 RESIDENTIAL SUPPLEMENTAL SPACE HEATING SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers desiring service for Supplemental Electric Space Heating for that portion of the home which is heated with permanently installed separately metered electric space heating unit(s) totaling 3 kW or more. This rate is not available for heat pumps.

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 MONTH: For separately metered supplemental space heating service.

Full Service Customers:

Power Supply Charges:

Energy Charge: 2.860¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 3.922¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 3.922¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

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. D1.7

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

AVAILABILITY OF SERVICE: Available on an optional basis to residential customers desiring separately metered service for approved 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.

This rate is also available to customers desiring service to a separately metered circuit for which the sole purpose is the charging of licensed electric vehicles. A statistically significant sample of participants will receive demand meters. THE ELECTRIC VEHICLE OPTION WILL TERMINATE ON A SERVICE RENDERED BASIS, EFFECTIVE 90 DAYS AFTER FINAL RATES ARE APPROVED IN MPSC CASE NUMBER U-16472.

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:

Energy Charge (June through September):

10.933¢ per kWh for all On-peak kWh

3.621¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

4.724¢ per kWh for all On-peak kWh

3.711¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Residential Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: **2.547¢** per kWh for all kWh

(Continued on [Sheet No. D-14.00](#))

RATE SCHEDULE NO. D1.7

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

AVAILABILITY OF SERVICE: Available on an optional basis to residential customers desiring separately metered service for approved 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.

This rate is also available to customers desiring service to a separately metered circuit for which the sole purpose is the charging of licensed electric vehicles. A statistically significant sample of participants will receive demand meters. ***THE ELECTRIC VEHICLE OPTION WILL TERMINATE ON A SERVICE RENDERED BASIS, EFFECTIVE 90 DAYS AFTER FINAL RATES ARE APPROVED IN MPSC CASE NUMBER U-16472.***

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:

Energy Charge (June through September):

10.927¢ per kWh for all On-peak kWh

3.615¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

4.718¢ per kWh for all On-peak kWh

3.705¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Residential Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: **2.528¢** per kWh for all kWh

(Continued on [Sheet No. D-14.00](#))

RATE SCHEDULE NO. D1.7

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

AVAILABILITY OF SERVICE: Available on an optional basis to residential customers desiring separately metered service for approved 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.

This rate is also available to customers desiring service to a separately metered circuit for which the sole purpose is the charging of licensed electric vehicles. A statistically significant sample of participants will receive demand meters.

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:

Energy Charge (June through September):

10.253¢ per kWh for all On-peak kWh

3.550¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

4.824¢ per kWh for all On-peak kWh

3.603¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Residential Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: **2.111¢** per kWh for all kWh

(Continued on [Sheet No. D-14.00](#))

RATE SCHEDULE NO. D1.7

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

AVAILABILITY OF SERVICE: Available on an optional basis to no more than 5,000 residential customers desiring separately metered service for approved space conditioning and/or water heating. The rate will not be administered to discriminate in favor of Company personnel. 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.

This rate is also available to customers desiring service to a separately metered circuit for which the sole purpose is the charging of licensed electric vehicles. Customers taking service under this provision are not subject to the 5,000 customer limitation. A statistically significant sample of participants will receive demand meters.

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:

Energy Charge (June through September):
9.925¢ per kWh for all On-peak kWh
3.495¢ per kWh for all Off-peak kWh

Energy Charge (October through May):
4.670¢ per kWh for all On-peak kWh
3.460¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.
Off-Peak Hours: All other kWh used.

Residential Delivery Charges:

Service Charge: 6.70¢ per day
Distribution Charge: 1.778¢ per kWh for all kWh

(Continued on [Sheet No. D-14.00](#))

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D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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RATE SCHEDULE NO. D1.7

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

AVAILABILITY OF SERVICE: Available on an optional basis to no more than 5,000 residential customers desiring separately metered service for approved space conditioning and/or water heating. The rate will not be administered to discriminate in favor of Company personnel. 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.

This rate is also available to customers desiring service to a separately metered circuit for which the sole purpose is the charging of licensed electric vehicles. Customers taking service under this provision are not subject to the 5,000 customer limitation. A statistically significant sample of participants will receive demand meters.

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.

LATE PAYMENT CHARGE: See Section C4.8.

RATE PER DAY:

Full Service Customers:

Residential Power Supply Charges:

Energy Charge (June through September):

9.925¢ per kWh for all On-peak kWh

3.495¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

4.670¢ per kWh for all On-peak kWh

3.460¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Residential Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 1.778¢ per kWh for all kWh

(Continued on [Sheet No. D-14.00](#))

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Vice President

Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

RATE SCHEDULE NO. D1.7

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

AVAILABILITY OF SERVICE: Available on an optional basis to no more than 5,000 residential customers desiring separately metered service for approved space conditioning and/or water heating. The rate will not be administered to discriminate in favor of Company personnel. 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.

This rate is also available to customers desiring service to a separately metered circuit for which the sole purpose is the charging of licensed electric vehicles. Customers taking service under this provision are not subject to the 5,000 customer limitation. A statistically significant sample of participants will receive demand meters.

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 C4.10.

MINIMUM CHARGE: The Service Charge.

LATE PAYMENT CHARGE: See Section C4.9.

RATE PER DAY:

Full Service Customers:

Residential Power Supply Charges:

Energy Charge (June through September):

7.225¢ per kWh for all On-peak kWh

2.000¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

2.000¢ per kWh for all On-peak kWh

2.000¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Residential Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 1.728¢ per kWh for all kWh

(Continued on [Sheet No. D-14.00](#))

(Continued from [Sheet No. D-13.00](#))

RATE SCHEDULE NO. D1.7 (CONTD)

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

Commercial Power Supply Charges:

Energy Charge (June through September):

5.530¢ per kWh for all On-peak kWh

4.230¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

4.230¢ per kWh for all On-peak kWh

4.230¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 1.540¢ 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 Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 2.547¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 1.350¢ per kWh for all kWh

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

(Continued from [Sheet No. D-13.00](#))

RATE SCHEDULE NO. D1.7 (CONTD)

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

Commercial Power Supply Charges:

Energy Charge (June through September):

5.524¢ per kWh for all On-peak kWh

4.224¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

4.224¢ per kWh for all On-peak kWh

4.224¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 1.538¢ 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 Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 2.528¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 1.344¢ per kWh for all kWh

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

(Continued from [Sheet No. D-13.00](#))

RATE SCHEDULE NO. D1.7 (CONTD)

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

Commercial Power Supply Charges:

Energy Charge (June through September):

4.960¢ per kWh for all On-peak kWh

3.900¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

3.900¢ per kWh for all On-peak kWh

3.900¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: **1.700¢** 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 Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: **2.111¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: **1.700¢** per kWh for all kWh

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

(Continued from [Sheet No. D-13.00](#))

RATE SCHEDULE NO. D1.7 (CONTD)

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

Commercial Power Supply Charges:

Energy Charge (June through September):

4.910¢ per kWh for all On-peak kWh

3.891¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

3.891¢ per kWh for all On-peak kWh

3.891¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: **1.460¢** 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 Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: **1.778¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: **2.100¢** per kWh for all kWh

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

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-13.00](#))

RATE SCHEDULE NO. D1.7 (CONTD)

**SPACE CONDITIONING, WATER HEATING,
ELECTRIC VEHICLE TIME-OF-DAY RATE**

Commercial Power Supply Charges:

Energy Charge (June through September):

2.850¢ per kWh for all On-peak kWh

2.000¢ per kWh for all Off-peak kWh

Energy Charge (October through May):

2.000¢ per kWh for all On-peak kWh

2.000¢ per kWh for all Off-peak kWh

On-Peak Hours: All kWh used between 1000 and 1900 hours Monday through Friday.

Off-Peak Hours: All other kWh used.

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 1.875¢ 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 Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 1.728¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: 6.70¢ per day

Distribution Charge: 2.564¢ per kWh for all kWh

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

RATE SCHEDULE NO. D1.9

EXPERIMENTAL ELECTRIC VEHICLE RATE

AVAILABILITY OF SERVICE: Available on an optional basis to residential customers desiring separately metered service for the sole purpose of charging licensed electric vehicles. Installations must conform to the Company's specifications. A statistically significant sample of participants will receive demand meters. Service under this tariff is limited to 2,500 customers.

HOURS OF SERVICE: 24 Hours

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

Energy Charge:

14.0¢ per kWh for all On-peak kWh

3.5¢ 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: 4.195¢ 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 Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 4.195¢ 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-14.04)

(Continued from Sheet No. D-14.03)

RATE SCHEDULE NO. D1.9 (CONTD)

EXPERIMENTAL ELECTRIC VEHICLE RATE

OPTION 2: MONTHLY FLAT FEE (*Residential only*):

Monthly Fee: \$40 per month per vehicle.

Surcharges and Credits: Included in monthly flat fee.

The monthly flat-fee option shall be limited to 250 customers. A statistically significant sample of the customers receiving the flat-fee option shall receive demand meters for purposes of analyzing charging patterns.

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.

Electric Vehicle Supply Equipment (EVSE) Option (*Residential only*):

Through December 31, 2012, Detroit Edison will, at the customer's option:

- Fund up to \$2,500 for the separately metered circuit including the approved charging station.

or

- If the approved charging station is provided by the manufacturer, Detroit Edison will fund up to \$2,500 for the separately metered circuit and the installation of the charging station.

Customers who elect the EVSE Option must execute a contract with Detroit Edison that specifies the terms and conditions of the agreement.

(Continued from *Sheet No. D-14.03*)

RATE SCHEDULE NO. D1.9 (CONTD)

EXPERIMENTAL ELECTRIC VEHICLE RATE

OPTION 2: MONTHLY FLAT FEE

Monthly Fee: \$40 per month per vehicle.

Surcharges and Credits: Included in monthly flat fee.

The monthly flat-fee option shall be limited to 250 customers. A statistically significant sample of the customers receiving the flat-fee option shall receive demand meters for purposes of analyzing charging patterns.

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.

Electric Vehicle Supply Equipment (EVSE) Option:

Through December 31, 2012, Detroit Edison will, at the customer's option:

- *Fund up to \$2,500 for the separately metered circuit including the approved charging station.*

or

- *If the approved charging station is provided by the manufacturer, Detroit Edison will fund up to \$2,500 for the separately metered circuit and the installation of the charging station.*

Customers who elect the EVSE Option must execute a contract with Detroit Edison that specifies the terms and conditions of the agreement.

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.

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:

Energy Charges: (June through October):	6.900¢ per kWh for the first 17 kWh per day 8.246¢ per kWh for over 17 kWh per day
Energy Charges: (November through May):	7.421¢ per kWh for the first 20 kWh per day 5.937¢ per kWh for over 20 kWh per day

Delivery Charges:

Service Charge	\$6.00 per month
Distribution Charge: (June through October):	4.951¢ per kWh for all kWh
Distribution Charge: (November through May):	4.260¢ 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:

Delivery Charges:

Service Charge	\$6.00 per month
Distribution Charge: (June through October):	4.951¢ per kWh for all kWh
Distribution Charge: (November through May):	4.260¢ 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.

(Continued on [Sheet No. D-16.00](#))

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.

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:

Energy Charges: (June through October):	6.726¢ per kWh for the first 17 kWh per day 8.136¢ per kWh for over 17 kWh per day
Energy Charges: (November through May):	7.653¢ per kWh for the first 20 kWh per day 6.174¢ per kWh for over 20 kWh per day

Delivery Charges:

Service Charge	\$6.00 per month
Distribution Charge: (June through October):	3.987¢ per kWh for all kWh
Distribution Charge: (November through May):	3.097¢ 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:

Delivery Charges:

Service Charge	\$6.00 per month
Distribution Charge: (June through October):	3.987¢ per kWh for all kWh
Distribution Charge: (November through May):	3.097¢ 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.

(Continued on [Sheet No. D-16.00](#))

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.

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:

Energy Charges: (June through October):	6.486¢ per kWh for the first 17 kWh per day 7.896¢ per kWh for over 17 kWh per day
Energy Charges: (November through May):	6.925¢ per kWh for the first 20 kWh per day 5.451¢ per kWh for over 20 kWh per day

Delivery Charges:

<i>Service Charge</i>	\$6.00 per month
Distribution Charge: (June through October):	3.539¢ per kWh for all kWh
Distribution Charge: (November through May):	2.756¢ 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:

Delivery Charges:

<i>Service Charge</i>	\$6.00 per month
Distribution Charge: (June through October):	3.539¢ per kWh for all kWh
Distribution Charge: (November through May):	2.756¢ 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.

(Continued on [Sheet No. D-16.00](#))

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.

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:

Energy Charges: (June through October):	4.531¢ per kWh for the first 17 kWh per day 5.941¢ per kWh for over 17 kWh per day
Energy Charges: (November through May):	5.298¢ per kWh for the first 20 kWh per day 3.625¢ per kWh for over 20 kWh per day

Delivery Charges:

Distribution Charge: (June through October):	4.190¢ per kWh for all kWh
Distribution Charge: (November through May):	3.399¢ 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:

Delivery Charges:

Distribution Charge: (June through October):	4.190¢ per kWh for all kWh
Distribution Charge: (November through May):	3.399¢ 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.

(Continued on [Sheet No. D-16.00](#))

(Continued from [Sheet No. D-15.00](#))

RATE SCHEDULE NO. D2 (CONTD)

RESIDENTIAL SPACE HEATING RATE

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.

AUXILIARY POWER PROVISION: Residential customers desiring electric service as an auxiliary source of power for wind or solar powered generating equipment shall take service under this rate schedule under special agreement with the Company.

Parallel operation of private electric generation is not permitted except by written permission of the Company.

The customer having auxiliary power shall pay all direct costs of controlling and protective equipment necessitated by the presence of a source of power on his premises.

The customer shall pay the charges set forth above. The customer may elect to sell energy back to the Company at the rate of 3.1¢ per kWh delivered.

Customers selling energy to the Company shall pay a service charge of 12.4¢ per day in addition to their standard monthly billing.

THE FARM SERVICE PROVISION WILL TERMINATE ON A SERVICE RENDERED BASIS, EFFECTIVE 90 DAYS AFTER FINAL RATES ARE APPROVED IN MPSC CASE NUMBER U-16472.

FARM SERVICE PROVISION (D2a): Customers taking service under this rate schedule who, in addition to normal household requirements, use energy purchased for various farm operations may elect to take service under this provision. To qualify for this provision, a customer must certify in writing that he is an operator of a farm which utilized household electricity for agricultural purposes. Customers who qualify and elect this provision will be charged as follows:

(Continued on [Sheet No. D-17.00](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-15.00](#))

RATE SCHEDULE NO. D2 (CONTD)

RESIDENTIAL SPACE HEATING RATE

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.

AUXILIARY POWER PROVISION: Residential customers desiring electric service as an auxiliary source of power for wind or solar powered generating equipment shall take service under this rate schedule under special agreement with the Company.

Parallel operation of private electric generation is not permitted except by written permission of the Company.

The customer having auxiliary power shall pay all direct costs of controlling and protective equipment necessitated by the presence of a source of power on his premises.

The customer shall pay the charges set forth above. The customer may elect to sell energy back to the Company at the rate of 3.1¢ per kWh delivered.

Customers selling energy to the Company shall pay a service charge of 12.4¢ per day in addition to their standard monthly billing.

FARM SERVICE PROVISION: Customers taking service under this rate schedule who, in addition to normal household requirements, use energy purchased for various farm operations may elect to take service under this provision. To qualify for this provision, a customer must certify in writing that he is an operator of a farm which utilized household electricity for agricultural purposes. Customers who qualify and elect this provision will be charged as follows:

(Continued on [Sheet No. D-17.00](#))

(Continued from [Sheet No. D-15.00](#))

RATE SCHEDULE NO. D2 (CONTD)

RESIDENTIAL SPACE HEATING RATE

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

MINIMUM CHARGE: *The Service Charge.*

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.

AUXILIARY POWER PROVISION: Residential customers desiring electric service as an auxiliary source of power for wind or solar powered generating equipment shall take service under this rate schedule under special agreement with the Company.

Parallel operation of private electric generation is not permitted except by written permission of the Company.

The customer having auxiliary power shall pay all direct costs of controlling and protective equipment necessitated by the presence of a source of power on his premises.

The customer shall pay the charges set forth above. The customer may elect to sell energy back to the Company at the rate of 3.1¢ per kWh delivered.

Customers selling energy to the Company shall pay a service charge of 12.4¢ per day in addition to their standard monthly billing.

FARM SERVICE PROVISION: Customers taking service under this rate schedule who, in addition to normal household requirements, use energy purchased for various farm operations may elect to take service under this provision. To qualify for this provision, a customer must certify in writing that he is an operator of a farm which utilized household electricity for agricultural purposes. Customers who qualify and elect this provision will be charged as follows:

(Continued on [Sheet No. D-17.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-15.00](#))

RATE SCHEDULE NO. D2 (CONTD)

RESIDENTIAL SPACE HEATING RATE

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

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh.

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 C4.9.

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

INSULATION STANDARDS FOR ELECTRIC HEATING: See Section C4.10.

AUXILIARY POWER PROVISION: Residential customers desiring electric service as an auxiliary source of power for wind or solar powered generating equipment shall take service under this rate schedule under special agreement with the Company.

Parallel operation of private electric generation is not permitted except by written permission of the Company.

The customer having auxiliary power shall pay all direct costs of controlling and protective equipment necessitated by the presence of a source of power on his premises.

The customer shall pay the charges set forth above. The customer may elect to sell energy back to the Company at the rate of 3.1¢ per kWh delivered.

Customers selling energy to the Company shall pay a service charge of 12.4¢ per day in addition to their standard monthly billing.

FARM SERVICE PROVISION: Customers taking service under this rate schedule who, in addition to normal household requirements, use energy purchased for various farm operations may elect to take service under this provision. To qualify for this provision, a customer must certify in writing that he is an operator of a farm which utilized household electricity for agricultural purposes. Customers who qualify and elect this provision will be charged as follows:

(Continued on [Sheet No. D-17.00](#))

(Continued from [Sheet No. D-16.00](#))

RATE SCHEDULE NO. D2 (CONTD)

RESIDENTIAL SPACE HEATING RATE

FARM SERVICE PROVISION RATE PER DAY:

Full Service Customers:

Power Supply Charges:

Energy Charge: (June through October):	7.308¢ per kWh for all kWh
Energy Charge: (November through May):	7.308¢ per kWh for the first 20 kWh per day 6.592¢ per kWh for over 20 kWh per day

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued	
Distribution Charge: (June through October):	4.850¢ per kWh for all kWh
Distribution Charges: (November through May):	4.850¢ per kWh for the first 20 kWh per day 2.699¢ per kWh for over 20 kWh per day

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued	
Distribution Charge: (June through October):	4.850¢ per kWh for all kWh
Distribution Charges: (November through May):	4.850¢ per kWh for the first 20 kWh per day 2.699¢ per kWh for over 20 kWh per day

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

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh plus the service charge and any applicable per meter per month surcharges.

(Continued from [Sheet No. D-16.00](#))

RATE SCHEDULE NO. D2 (CONTD)

RESIDENTIAL SPACE HEATING RATE

FARM SERVICE PROVISION RATE PER DAY:

Full Service Customers:

Power Supply Charges:

Energy Charge: (June through October):	7.065¢ per kWh for all kWh
Energy Charge: (November through May):	7.065¢ per kWh for the first 20 kWh per day 6.393¢ per kWh for over 20 kWh per day

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued	
Distribution Charge: (June through October):	4.200¢ per kWh for all kWh
Distribution Charges: (November through May):	4.200¢ per kWh for the first 20 kWh per day 2.343¢ per kWh for over 20 kWh per day

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued	
Distribution Charge: (June through October):	4.200¢ per kWh for all kWh
Distribution Charges: (November through May):	4.200¢ per kWh for the first 20 kWh per day 2.343¢ per kWh for over 20 kWh per day

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

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh plus the service charge *and any applicable per meter per month surcharges.*

(Continued from [Sheet No. D-16.00](#))

RATE SCHEDULE NO. D2 (CONTD)

RESIDENTIAL SPACE HEATING RATE

FARM SERVICE PROVISION RATE PER DAY:

Full Service Customers:

Power Supply Charges:

Energy Charge: (June through October): **7.065¢** per kWh for all kWh

Energy Charge: (November through May): **7.065¢** per kWh for the first 20 kWh per day
6.393¢ per kWh for over 20 kWh per day

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: (June through October): **4.200¢** per kWh for all kWh

Distribution Charges: (November through May): **4.200¢** per kWh for the first 20 kWh per day
2.343¢ per kWh for over 20 kWh per day

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: (June through October): **4.200¢** per kWh for all kWh

Distribution Charges: (November through May): **4.200¢** per kWh for the first 20 kWh per day
2.343¢ per kWh for over 20 kWh per day

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

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh plus the service charge.

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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(Continued from [Sheet No. D-16.00](#))

RATE SCHEDULE NO. D2 (CONTD)

RESIDENTIAL SPACE HEATING RATE

FARM SERVICE PROVISION RATE PER DAY:

Full Service Customers:

Power Supply Charges:

Energy Charge: (June through October): 5.118¢ per kWh for all kWh

Energy Charge: (November through May): 5.118¢ per kWh for the first 20 kWh per day
4.465¢ per kWh for over 20 kWh per day

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: (June through October): 4.102¢ per kWh for all kWh

Distribution Charges: (November through May): 4.102¢ per kWh for the first 20 kWh per day
2.330¢ per kWh for over 20 kWh per day

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: 12.4¢ per day for each bill issued

Distribution Charge: (June through October): 4.102¢ per kWh for all kWh

Distribution Charges: (November through May): 4.102¢ per kWh for the first 20 kWh per day
2.330¢ per kWh for over 20 kWh per day

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

MINIMUM CHARGE: The applicable per kWh charges listed above for 60 kWh plus the service charge.

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. 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:

Energy Charge: 7.581¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 3.536¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 3.135¢ per kWh for all kWh

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 any applicable per meter per month surcharges.

(Continued on [Sheet No. D-19.00](#))

Issued November 1, 2011

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated October 20, 2011
In Case No. U-16472

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. 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:

Energy Charge: **6.977¢** per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: **3.813¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: **3.701¢** per kWh for all kWh

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 any applicable per meter per month surcharges.

(Continued on [Sheet No. D-19.00](#))

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D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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and after January 26, 2010

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dated January 25, 2010
In Case No. U-15768

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. 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:

Energy Charge: 7.135¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 3.168¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 2.722¢ per kWh for all kWh

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 any applicable per meter per month surcharges.*

(Continued on [Sheet No. D-19.00](#))

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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. 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:

Energy Charge: 7.135¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 3.168¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 2.722¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

(Continued on [Sheet No. D-19.00](#))

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Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

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. 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:

Energy Charge: 4.935¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 3.993¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 2.914¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

(Continued on [Sheet No. D-19.00](#))

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: ~~3.884~~¢ per month per Watt 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. D3.1

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: 3.845¢ per month per Watt 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. D3.1

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: 3.685¢ per month per Watt 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.

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Vice President
Regulatory Affairs

Detroit, Michigan

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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: 3.79¢ per month per Watt 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 C4.9.

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:

Energy Charge: 7.676¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 1.640¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 1.640¢ per kWh for all kWh

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

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](#))

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Vice President

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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:

Energy Charge: 7.445¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 1.931¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 1.931¢ per kWh for all kWh

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 any applicable per meter per month surcharges.

(Continued on [Sheet No. D-20.02](#))

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Vice President

Regulatory Affairs

Detroit, Michigan

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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 \$8.78 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 \$10 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:**

Energy Charge: 6.334¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 2.826¢ 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-22.00](#))

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 \$8.78 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 \$10 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:

Energy Charge: 5.870¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 3.050¢ 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-22.00](#))

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 \$8.78 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 \$10 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:

Energy Charge: **6.003¢** per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: **2.534¢** 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-22.00](#))

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RATE SCHEDULE NO. D3.3

INTERRUPTIBLE GENERAL SERVICE RATE

AVAILABILITY OF SERVICE: Available to no more than 100 customers desiring interruptible service in conjunction with taken service 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. 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.

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:

Energy Charge: 3.911¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 3.163¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month

Distribution Charge: 2.414¢ per kWh for all kWh

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

(Continued on [Sheet No. D-22.00](#))

(Continued from [Sheet No. D-21.00](#))

RATE SCHEDULE NO. D3.3 (CONTD)

INTERRUPTIBLE GENERAL SERVICE RATE

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$8.78 per month
Distribution Charge:	2.543¢ per kWh for all kWh

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 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.

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-21.00](#))

RATE SCHEDULE NO. D3.3 (CONTD)

INTERRUPTIBLE GENERAL SERVICE RATE

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$8.78 per month
Distribution Charge:	2.965¢ per kWh for all kWh

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 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.

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-21.00](#))

RATE SCHEDULE NO. D3.3 (CONTD)

INTERRUPTIBLE GENERAL SERVICE RATE

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$8.78 per month
Distribution Charge:	2.199¢ per kWh for all kWh

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 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.

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D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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and after October 20, 2009

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Michigan Public Service Commission
dated August 25, 2009
In Case No. U-15806

(Continued from [Sheet No. D-21.00](#))

RATE SCHEDULE NO. D3.3

INTERRUPTIBLE GENERAL SERVICE RATE

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$8.78 per month
Distribution Charge:	2.199¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

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.

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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and after January 14, 2009

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Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-21.00](#))

RATE SCHEDULE NO. D3.3

INTERRUPTIBLE GENERAL SERVICE RATE

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

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.

RATE SCHEDULE NO. D3.4**OPTIONAL TIME-OF-DAY GENERAL SERVICE RATE**

THIS TARIFF WILL TERMINATE ON A SERVICE RENDERED BASIS, EFFECTIVE 90 DAYS AFTER FINAL RATES ARE APPROVED IN MPSC CASE NUMBER U-16472.

AVAILABILITY OF SERVICE: Available to customers desiring service for any purpose for the entire electrical requirements at a location. Only open to customers whose energy consumption is equal to or greater than 25,000 kWh per month for three consecutive months, and otherwise qualify for the General Service Rate D3.

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.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charge: 13.350¢ per kWh for all On-peak kWh
5.750¢ 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.

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: 3.750¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: 3.600¢ per kWh for all kWh

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 any applicable per meter per month surcharges.

CONTRACT TERM: One year under written contract and month-to-month thereafter. This rate is experimental in nature and may be cancelled at either the completion of the first year of the contract or upon one month's notice thereafter, by either party.

Issued November 1, 2011

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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In Case No. U-16472

RATE SCHEDULE NO. D3.4**OPTIONAL TIME-OF-DAY GENERAL SERVICE RATE**

AVAILABILITY OF SERVICE: Available to customers desiring service for any purpose for the entire electrical requirements at a location. Only open to customers whose energy consumption is equal to or greater than 25,000 kWh per month for three consecutive months, and otherwise qualify for the General Service Rate D3.

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.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charge: **13.350¢** per kWh for all On-peak kWh
5.750¢ 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.

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: **3.750¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: **3.600¢** per kWh for all kWh

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 any applicable per meter per month surcharges.

CONTRACT TERM: One year under written contract and month-to-month thereafter. This rate is experimental in nature and may be cancelled at either the completion of the first year of the contract or upon one month's notice thereafter, by either party.

RATE SCHEDULE NO. D3.4**OPTIONAL TIME-OF-DAY GENERAL SERVICE RATE**

AVAILABILITY OF SERVICE: Available to customers desiring service for any purpose for the entire electrical requirements at a location. Only open to customers whose energy consumption is equal to or greater than 25,000 kWh per month for three consecutive months, and otherwise qualify for the General Service Rate D3.

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.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charge: 13.540¢ per kWh for all On-peak kWh
5.940¢ 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.

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: 3.059¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: 2.660¢ per kWh for all kWh

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 any applicable per meter per month surcharges.*

CONTRACT TERM: One year under written contract and month-to-month thereafter. This rate is experimental in nature and may be cancelled at either the completion of the first year of the contract or upon one month's notice thereafter, by either party.

Issued October 20, 2009

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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In Case No. U-15806

RATE SCHEDULE NO. D3.4**OPTIONAL TIME-OF-DAY GENERAL SERVICE RATE**

AVAILABILITY OF SERVICE: Available to customers desiring service for any purpose for the entire electrical requirements at a location. Only open to customers whose energy consumption is equal to or greater than 25,000 kWh per month for three consecutive months, and otherwise qualify for the General Service Rate D3.

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.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charge: **13.540¢** per kWh for all On-peak kWh
5.940¢ 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.

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: **3.059¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: **2.660¢** per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

CONTRACT TERM: One year under written contract and month-to-month thereafter. This rate is experimental in nature and may be cancelled at either the completion of the first year of the contract or upon one month's notice thereafter, by either party.

Issued January 14, 2009

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Regulatory Affairs

Detroit, Michigan

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In Case No. U-15244

RATE SCHEDULE NO. D3.4

OPTIONAL TIME-OF-DAY GENERAL SERVICE RATE

AVAILABILITY OF SERVICE: Available to customers desiring service for any purpose for the entire electrical requirements at a location. Only open to customers whose energy consumption is equal to or greater than 25,000 kWh per month for three consecutive months, and otherwise qualify for the General Service Rate D3.

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.

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charge: 11.366¢ per kWh for all On-peak kWh
3.766¢ 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.

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: 3.804¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$12.95 per month
Distribution Charge: 2.914¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

CONTRACT TERM: One year under written contract and month-to-month thereafter. This rate is experimental in nature and may be cancelled at either the completion of the first year of the contract or upon one month's notice thereafter, by either party.

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:

Demand Charge:	\$12.86 per kW applied to the Monthly Billing Demand
Energy Charges:	4.542¢ per kWh for the first 200 kWh per kW of billing demand
	3.542¢ per kWh for the excess

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$9.45 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:

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$7.55 per kW applied to the Monthly Billing Demand

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

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.

(Continued on [Sheet No. D-25.00](#))

Issued November 1, 2011
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Vice President
Regulatory Affairs

Detroit, Michigan

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dated October 20, 2011
In Case No. U-16472

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:

Demand Charge:	\$11.88 per kW applied to the Monthly Billing Demand
Energy Charges:	4.498¢ per kWh for the first 200 kWh per kW of billing demand
	3.498¢ per kWh for the excess

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$9.73 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:

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$8.60 per kW applied to the Monthly Billing Demand

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

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.

(Continued on [Sheet No. D-25.00](#))

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:

Demand Charge:	\$9.00 per kW applied to the Monthly Billing Demand
Energy Charges:	4.644¢ per kWh for the first 200 kWh per kW of billing demand
	3.654¢ per kWh for the excess

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$10.68 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:

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$7.17 per kW applied to the Monthly Billing Demand

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

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*.

(Continued on [Sheet No. D-25.00](#))

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D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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In Case No. U-15806

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:

Demand Charge:	\$9.00 per kW applied to the Monthly Billing Demand
Energy Charges:	4.644¢ per kWh for the first 200 kWh per kW of billing demand
	3.654¢ per kWh for the excess

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$10.68 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:

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$7.17 per kW applied to the Monthly Billing Demand

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

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: Service Charge plus all applicable demand charges.

(Continued on [Sheet No. D-25.00](#))

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:

Demand Charge:	\$3.50 per kW applied to the Monthly Billing Demand
Energy Charges:	4.243¢ per kWh for the first 200 kWh per kW of billing demand
	3.253¢ per kWh for the excess

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$7.45 per kW applied to the Monthly Billing Demand
Distribution Energy Charge:	1.731¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$13.67 per month
Distribution Demand Charge:	\$7.45 per kW applied to the Monthly Billing Demand

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

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(Continued from [Sheet No. D-24.00](#))

RATE SCHEDULE NO. D4

LARGE GENERAL SERVICE RATE

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: Service Charge plus all applicable demand charges.

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.

EXPERIMENTAL LOAD AGGREGATION PROVISION: The provision is available to Rate Schedule No. D4 and Rate Schedule No. D6 customers with at least 7 locations who desire for power supply billing purposes, to aggregate their power supply billing demands. The minimum load per customer is 5,000 kilowatts and the maximum allowed load is 40,000 kilowatts. The total capacity served under this provision is limited to 125,000 kilowatts in total for Rates D4 and D6, available on a first-come, first-served basis. Interval Demand Meters are required for service under this provision. Meter reading will be accomplished electronically through Customer-provided telecommunication links or other electronic data methods able to provide the Company with the metering data necessary to determine the aggregated demands for billing purposes. Customers requiring the installation of an interval demand meter and/or the communication link will be responsible for the costs associated with the required metering equipment, its installation cost, and the costs associated with the communication link.

This provision will continue until the Commission issues its final order in MPSC Case No. U-15244.

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. See Options I and III, Section C13.

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. Options I and III are 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 on Option I or III.

Option I: 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.

Option II: Available to customers who desire controlled water heating service to single tank installations of 30 through 120 gallon tank capacity for residential customers, and 40 through 120 gallon tank capacity for commercial customers, the design and method of installation of which are approved by the Company as adapted to this service. This service may be taken combined with normal load through the regular meter with only the lower element controlled. NOT AVAILABLE FOR NEW INSTALLATIONS.

Option III: Available to customers who desire uncontrolled water heating service to installations, the design and method 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:

Option I – Separate Meter – Controlled

Full Service Customers:

Residential Power Supply Charges:

Energy Charge: 3.949¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 3.969¢ per kWh for all kWh

(Continued on [Sheet No. D-27.00](#))

Issued November 1, 2011

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated October 20, 2011
In Case No. U-16472

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. Options I and III are 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 on Option I or III.

Option I: 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.

Option II: Available to customers who desire controlled water heating service to single tank installations of 30 through 120 gallon tank capacity for residential customers, and 40 through 120 gallon tank capacity for commercial customers, the design and method of installation of which are approved by the Company as adapted to this service. This service may be taken combined with normal load through the regular meter with only the lower element controlled. NOT AVAILABLE FOR NEW INSTALLATIONS.

Option III: Available to customers who desire uncontrolled water heating service to installations, the design and method 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:

Option I – Separate Meter – Controlled

Full Service Customers:

Residential Power Supply Charges:

Energy Charge: 3.873¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 3.347¢ per kWh for all kWh

(Continued on [Sheet No. D-27.00](#))

Issued February 9, 2010

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated January 25, 2010
In Case No. U-15768

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. Options I and III are 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 on Option I or III.

Option I: 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.

Option II: Available to customers who desire controlled water heating service to single tank installations of 30 through 120 gallon tank capacity for residential customers, and 40 through 120 gallon tank capacity for commercial customers, the design and method of installation of which are approved by the Company as adapted to this service. This service may be taken combined with normal load through the regular meter with only the lower element controlled. NOT AVAILABLE FOR NEW INSTALLATIONS.

Option III: Available to customers who desire uncontrolled water heating service to installations, the design and method 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:

Option I – Separate Meter – Controlled

Full Service Customers:

Residential Power Supply Charges:

Energy Charge: 3.740¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.833¢ per kWh for all kWh

(Continued on [Sheet No. D-27.00](#))

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D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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In Case No. U-15244

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. Options I and III are 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 on Option I or III.

Option I: 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.

Option II: Available to customers who desire controlled water heating service to single tank installations of 30 through 120 gallon tank capacity for residential customers, and 40 through 120 gallon tank capacity for commercial customers, the design and method of installation of which are approved by the Company as adapted to this service. This service may be taken combined with normal load through the regular meter with only the lower element controlled. NOT AVAILABLE FOR NEW INSTALLATIONS.

Option III: Available to customers who desire uncontrolled water heating service to installations, the design and method 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:

Option I – Separate Meter – Controlled

Full Service Customers:

Residential Power Supply Charges:

Energy Charge: 2.000¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.756¢ per kWh for all kWh

(Continued on [Sheet No. D-27.00](#))

(Continued from [Sheet No. D-26.00](#))

RATE SCHEDULE NO. D5 (CONTD)

WATER HEATING SERVICE RATE

Commercial Power Supply Charges:

Energy Charge: **4.466¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **2.133¢** per kWh for all kWh

Retail Access Service Customers:

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **3.969¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **1.883¢** per kWh for all kWh

Option II – Combined Meter – Controlled

Full Service Customers:

Residential: A Power Supply Charge of **3.949¢** per kWh and a Delivery Distribution Charge of **3.969¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule.

Commercial: A Power Supply Charge of **4.466¢** per kWh and a Delivery Distribution Charge of **2.133¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule. However, for customers being billed on the General Service Rate D3, a block of 300 kWh per month will apply, but not to the first 210 kWh per month.

Retail Access Service Customers:

Residential: A Delivery Distribution Charge of **3.969¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule.

Commercial: A Delivery Distribution Charge of **1.883¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule. However, for customers being billed on the General Service Rate D3, a block of 300 kWh per month will apply, but not to the first 210 kWh per month.

(Continued on [Sheet No. D-28.00](#))

(Continued from [Sheet No. D-26.00](#))

RATE SCHEDULE NO. D5 (CONTD)

WATER HEATING SERVICE RATE

Commercial Power Supply Charges:

Energy Charge: **4.140¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **2.333¢** per kWh for all kWh

Retail Access Service Customers:

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **3.347¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **2.260¢** per kWh for all kWh

Option II – Combined Meter – Controlled

Full Service Customers:

Residential: A Power Supply Charge of **3.873¢** per kWh and a Delivery Distribution Charge of **3.347¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule.

Commercial: A Power Supply Charge of **4.140¢** per kWh and a Delivery Distribution Charge of **2.333¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule. However, for customers being billed on the General Service Rate D3, a block of 300 kWh per month will apply, but not to the first 210 kWh per month.

Retail Access Service Customers:

Residential: A Delivery Distribution Charge of **3.347¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule.

Commercial: A Delivery Distribution Charge of **2.260¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule. However, for customers being billed on the General Service Rate D3, a block of 300 kWh per month will apply, but not to the first 210 kWh per month.

(Continued on [Sheet No. D-28.00](#))

(Continued from [Sheet No. D-26.00](#))

RATE SCHEDULE NO. D5 (CONTD)

WATER HEATING SERVICE RATE

Commercial Power Supply Charges:

Energy Charge: **4.250¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **1.885¢** per kWh for all kWh

Retail Access Service Customers:

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **2.833¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **1.590¢** per kWh for all kWh

Option II – Combined Meter – Controlled

Full Service Customers:

Residential: A Power Supply Charge of **3.740¢** per kWh and a Delivery Distribution Charge of **2.833¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule.

Commercial: A Power Supply Charge of **4.250¢** per kWh and a Delivery Distribution Charge of **1.885¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule. However, for customers being billed on the General Service Rate D3, a block of 300 kWh per month will apply, but not to the first 210 kWh per month.

Retail Access Service Customers:

Residential: A Delivery Distribution Charge of **2.833¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule.

Commercial: A Delivery Distribution Charge of **1.590¢** per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule. However, for customers being billed on the General Service Rate D3, a block of 300 kWh per month will apply, but not to the first 210 kWh per month.

(Continued on [Sheet No. D-28.00](#))

Issued January 14, 2009

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-26.00](#))

RATE SCHEDULE NO. D5 (CONTD)

WATER HEATING SERVICE RATE

Commercial Power Supply Charges:

Energy Charge: 2.325¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.438¢ per kWh for all kWh

Retail Access Service Customers:

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.756¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.414¢ per kWh for all kWh

Option II – Combined Meter – Controlled

Full Service Customers:

Residential: A Power Supply Charge of 2.000¢ per kWh and a Delivery Distribution Charge of 2.756¢ per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule.

Commercial: A Power Supply Charge of 2.325¢ per kWh and a Delivery Distribution Charge of 2.438¢ per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule. However, for customers being billed on the General Service Rate D3, a block of 300 kWh per month will apply, but not to the first 210 kWh per month.

Retail Access Service Customers:

Residential: A Delivery Distribution Charge of 2.756¢ per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule.

Commercial: A Delivery Distribution Charge of 2.438¢ per kWh shall apply to 10 kWh per day, but not to the first 7 kWh per day which will be billed on the applicable rate schedule. However, for customers being billed on the General Service Rate D3, a block of 300 kWh per month will apply, but not to the first 210 kWh per month.

(Continued on [Sheet No. D-28.00](#))

(Continued from [Sheet No. D-27.00](#))

RATE SCHEDULE NO. D5 (CONTD)

WATER HEATING SERVICE RATE

Option III – Separate Meter – Uncontrolled

Full Service Customers:

Residential Power Supply Charges:

Energy Charge: **5.741¢** per kWh for all kWh

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **3.969¢** per kWh for all kWh

Commercial Power Supply Charges:

Energy Charge: **7.292¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **2.133¢** per kWh for all kWh

Retail Access Service Customers:

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **3.969¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **1.883¢** 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.

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.

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

(Continued on [Sheet No. D-29.00](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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In Case No. U-16472

(Continued from [Sheet No. D-27.00](#))

RATE SCHEDULE NO. D5 (CONTD)

WATER HEATING SERVICE RATE

Option III – Separate Meter – Uncontrolled

Full Service Customers:

Residential Power Supply Charges:

Energy Charge: **5.502¢** per kWh for all kWh

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **3.347¢** per kWh for all kWh

Commercial Power Supply Charges:

Energy Charge: **6.760¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **2.333¢** per kWh for all kWh

Retail Access Service Customers:

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **3.347¢** per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **2.260¢** 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.

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.

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

(Continued on [Sheet No. D-29.00](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-27.00](#))

RATE SCHEDULE NO. D5 (CONTD)

WATER HEATING SERVICE RATE

Option III – Separate Meter – Uncontrolled

Full Service Customers:

Residential Power Supply Charges:

Energy Charge: 5.355¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.833¢ per kWh for all kWh

Commercial Power Supply Charges:

Energy Charge: 6.600¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 1.885¢ per kWh for all kWh

Retail Access Service Customers:

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.833¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 1.590¢ 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.

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.

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

(Continued on [Sheet No. D-29.00](#))

(Continued from [Sheet No. D-27.00](#))

RATE SCHEDULE NO. D5 (CONTD)

WATER HEATING SERVICE RATE

Option III – Separate Meter – Uncontrolled

Full Service Customers:

Residential Power Supply Charges:

Energy Charge: 5.355¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.833¢ per kWh for all kWh

Commercial Power Supply Charges:

Energy Charge: 6.600¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 1.885¢ per kWh for all kWh

Retail Access Service Customers:

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.833¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 1.590¢ 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.

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.

MINIMUM CHARGE: The Service Charge.

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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In Case No. U-15244

(Continued from [Sheet No. D-27.00](#))

RATE SCHEDULE NO. D5 (CONTD)

WATER HEATING SERVICE RATE

Option III – Separate Meter – Uncontrolled

Full Service Customers:

Residential Power Supply Charges:

Energy Charge: 3.400¢ per kWh for all kWh

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.756¢ per kWh for all kWh

Commercial Power Supply Charges:

Energy Charge: 4.500¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.438¢ per kWh for all kWh

Retail Access Service Customers:

Residential Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.756¢ per kWh for all kWh

Commercial Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: 2.414¢ 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.

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 C4.9.

MINIMUM CHARGE: The Service Charge.

(Continued on [Sheet No. D-29.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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RATE SCHEDULE NO. D6**PRIMARY SUPPLY RATE**

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:

Demand Charge: **\$14.32** per kW of on-peak billing demand
Energy Charges: **4.400¢** per kWh for all on-peak kWh
4.100¢ per kWh for all off-peak kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.36** per kW of maximum demand and **0.329¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.13** per kW of maximum demand and **0.329¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$0.21** per kW of maximum demand and **0.329¢** per kWh for all energy delivered.

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.

(Continued on [Sheet No. D-31.00](#))

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Vice President

Regulatory Affairs

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RATE SCHEDULE NO. D6**PRIMARY SUPPLY RATE**

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:

Demand Charge: **\$13.61** per kW of on-peak billing demand
Energy Charges: **3.973¢** per kWh for all on-peak kWh
3.673¢ per kWh for all off-peak kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.55** per kW of maximum demand and **0.762¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.38** per kW of maximum demand and **0.762¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$0.49** per kW of maximum demand and **0.762¢** per kWh for all energy delivered.

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.

(Continued on [Sheet No. D-31.00](#))

Issued February 9, 2010

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

RATE SCHEDULE NO. D6**PRIMARY SUPPLY RATE**

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:

Demand Charge: \$13.75 per kW of on-peak billing demand

Energy Charges: 4.014¢ per kWh for all on-peak kWh
3.714¢ per kWh for all off-peak kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level

0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$2.07 per kW of maximum demand and 0.620¢ per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) \$0.94 per kW of maximum demand and 0.620¢ per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) \$0.07 per kW of maximum demand and 0.620¢ per kWh for all energy delivered.

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.

(Continued on [Sheet No. D-31.00](#))

Issued January 14, 2009

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

RATE SCHEDULE NO. D6

PRIMARY SUPPLY RATE

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:

Demand Charge: \$10.93 per kW of on-peak billing demand

Energy Charges: 2.364¢ per kWh for all on-peak kWh
2.064¢ per kWh for all off-peak kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level

0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$4.55 per kW of maximum demand and 0.703¢ per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) \$3.45 per kW of maximum demand and 0.703¢ per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) \$2.60 per kW of maximum demand and 0.703 ¢ per kWh for all energy delivered.

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.

(Continued on [Sheet No. D-31.00](#))

(Continued from [Sheet No. D-30.00](#))

RATE SCHEDULE NO. D6 (CONTD)

PRIMARY SUPPLY RATE

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.50** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$0.93** per kW of maximum demand.

For service at transmission voltage (120 kV and above) **\$0.62** 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. 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-32.00](#))

Issued November 1, 2011

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-30.00](#))

RATE SCHEDULE NO. D6 (CONTD)

PRIMARY SUPPLY RATE

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$3.13** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.17** per kW of maximum demand.

For service at transmission voltage (120 kV and above) **\$0.78** 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. 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-32.00](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-30.00](#))

RATE SCHEDULE NO. D6 (CONTD)

PRIMARY SUPPLY RATE

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.06** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$0.77** per kW of maximum demand.

For service at transmission voltage (120 kV and above) **\$0.52** 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. 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-32.00](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-30.00](#))

RATE SCHEDULE NO. D6 (CONTD)

PRIMARY SUPPLY RATE

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$3.20 per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) \$1.20 per kW of maximum demand.

For service at transmission voltage (120 kV and above) \$0.80 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 C4.9.

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-32.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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

(Continued from [Sheet No. D-31.00](#))

RATE SCHEDULE NO. D6 (CONTD)

PRIMARY SUPPLY RATE

EXPERIMENTAL LOAD AGGREGATION PROVISION: The provision is available to Rate Schedule No. D4 and Rate Schedule No. D6 customers with at least 7 locations who desire for power supply billing purposes, to aggregate their power supply billing demands. The minimum load per customer is 5,000 kilowatts and the maximum allowed load is 40,000 kilowatts. The total capacity served under this provision is limited to 125,000 kilowatts in total for Rates D4 and D6, available on a first-come, first-served basis. Interval Demand Meters are required for service under this provision. Meter reading will be accomplished electronically through Customer-provided telecommunication links or other electronic data methods able to provide the Company with the metering data necessary to determine the aggregated demands for billing purposes. Customers requiring the installation of an interval demand meter and/or the communication link will be responsible for the costs associated with the required metering equipment, its installation cost, and the costs associated with the communication link.

This provision will continue until the Commission *issues its final order in Company's next main electric rate case.*

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.

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.

(Continued on [Sheet No. D-33.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-31.00](#))

RATE SCHEDULE NO. D6 (CONTD)

PRIMARY SUPPLY RATE

EXPERIMENTAL LOAD AGGREGATION PROVISION: The provision is available to Rate Schedule No. D4 and Rate Schedule No. D6 customers with at least 7 locations who desire for power supply billing purposes, to aggregate their power supply billing demands. The minimum load per customer is 5,000 kilowatts and the maximum allowed load is 40,000 kilowatts. The total capacity served under this provision is limited to 125,000 kilowatts in total for Rates D4 and D6, available on a first-come, first-served basis. Interval Demand Meters are required for service under this provision. Meter reading will be accomplished electronically through Customer-provided telecommunication links or other electronic data methods able to provide the Company with the metering data necessary to determine the aggregated demands for billing purposes. Customers requiring the installation of an interval demand meter and/or the communication link will be responsible for the costs associated with the required metering equipment, its installation cost, and the costs associated with the communication link.

This provision will continue until the Commission issues its final order in MPSC Case No. U-15244.

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.

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.

(Continued on [Sheet No. D-33.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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

RATE SCHEDULE NO. D6.1

ALTERNATIVE PRIMARY SUPPLY SERVICE

AVAILABILITY OF SERVICE: Available to customers desiring service at primary, subtransmission, or transmission voltage who contract for a specified capacity of not less than 10,000 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 10,000 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:

Energy Charges: **19.223¢** per kWh for the first 150 hours use of on-peak billing demand created during the billing month, but not less than 10,000 kW
3.615¢ per kWh for the next 300 hours use of on-peak billing demand created during the billing month, but not less than 10,000 kW
1.587¢ per kWh for the excess kWh

The Energy Charge will be reduced by 0.30¢ per kWh for all off-peak use

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.66** per kW of maximum demand and **0.254¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.38** per kW of maximum demand and **0.254¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$0.43** per kW of maximum demand and **0.254¢** per kWh for all energy delivered.

(Continued on [Sheet No. D-35.00](#))

RATE SCHEDULE NO. D6.1

ALTERNATIVE PRIMARY SUPPLY SERVICE

AVAILABILITY OF SERVICE: Available to customers desiring service at primary, subtransmission, or transmission voltage who contract for a specified capacity of not less than 10,000 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 10,000 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:

Energy Charges: **18.351¢** per kWh for the first 150 hours use of on-peak billing demand created during the billing month, but not less than 10,000 kW
3.200¢ per kWh for the next 300 hours use of on-peak billing demand created during the billing month, but not less than 10,000 kW
1.320¢ per kWh for the excess kWh

The Energy Charge will be reduced by 0.30¢ per kWh for all off-peak use

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.67** per kW of maximum demand and **0.517¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.46** per kW of maximum demand and **0.517¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$0.55** per kW of maximum demand and **0.517¢** per kWh for all energy delivered.

(Continued on [Sheet No. D-35.00](#))

Issued February 9, 2010

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

RATE SCHEDULE NO. D6.1

ALTERNATIVE PRIMARY SUPPLY SERVICE

AVAILABILITY OF SERVICE: Available to customers desiring service at primary, subtransmission, or transmission voltage who contract for a specified capacity of not less than 10,000 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 10,000 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:

Energy Charges: **15.434¢** per kWh for the first 150 hours use of on-peak billing demand created during the billing month, but not less than 10,000 kW
3.764¢ per kWh for the next 300 hours use of on-peak billing demand created during the billing month, but not less than 10,000 kW
2.500¢ per kWh for the excess kWh

The Energy Charge will be reduced by 0.30¢ per kWh for all off-peak use

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.07** per kW of maximum demand and **0.447¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$0.89** per kW of maximum demand and **0.447¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$0.00** per kW of maximum demand and **0.447¢** per kWh for all energy delivered.

(Continued on [Sheet No. D-35.00](#))

Issued January 14, 2009

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

RATE SCHEDULE NO. D6.1

ALTERNATIVE PRIMARY SUPPLY SERVICE

AVAILABILITY OF SERVICE: Available to customers desiring service at primary, subtransmission, or transmission voltage who contract for a specified capacity of not less than 10,000 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 10,000 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:

Energy Charges: 11.934¢ per kWh for the first 150 hours use of on-peak billing demand created during the billing month, but not less than 10,000 kWh
1.699¢ per kWh for the next 300 hours use of on-peak billing demand created during the billing month, but not less than 10,000 kWh
1.121¢ per kWh for the excess kWh

The Energy Charge will be reduced by 0.30¢ per kWh for all off-peak use

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$3.20 per kW of maximum demand and 0.701¢ per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) \$2.10 per kW of maximum demand and 0.701¢ per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) \$1.25 per kW of maximum demand and 0.701¢ per kWh for all energy delivered.

(Continued on [Sheet No. D-35.00](#))

(Continued from [Sheet No. D-34.00](#))

RATE SCHEDULE NO. D6.1 (CONTD)

ALTERNATIVE PRIMARY SUPPLY SERVICE

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 Sections C8.5 and C9.8.

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$3.21** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.20** per kW of maximum demand.

For service at transmission voltage (120 kV and above) **\$0.80** 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. 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 10,000 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.

SCHEDULE OF ON-PEAK HOURS: See Section C11.

(Continued on [Sheet No. D-36.00](#))

Issued November 1, 2011

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-34.00](#))

RATE SCHEDULE NO. D6.1 (CONTD)

ALTERNATIVE PRIMARY SUPPLY SERVICE

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 Sections C8.5 and C9.8.

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$5.93** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$2.22** per kW of maximum demand.

For service at transmission voltage (120 kV and above) **\$1.48** 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. 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 10,000 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.

SCHEDULE OF ON-PEAK HOURS: See Section C11.

(Continued on [Sheet No. D-36.00](#))

I Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-34.00](#))

RATE SCHEDULE NO. D6.1 (CONTD)

ALTERNATIVE PRIMARY SUPPLY SERVICE

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 Sections C8.5 and C9.8.

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$2.94 per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) \$1.10 per kW of maximum demand.

For service at transmission voltage (120 kV and above) \$0.73 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. 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 10,000 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*.

SCHEDULE OF ON-PEAK HOURS: See Section C11.

(Continued on [Sheet No. D-36.00](#))

Issued October 20, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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and after October 20, 2009

Issued under authority of the
Michigan Public Service Commission
dated August 25, 2009
In Case No. U-15806

(Continued from [Sheet No. D-34.00](#))

RATE SCHEDULE NO. D6.1

ALTERNATIVE PRIMARY SUPPLY SERVICE

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 Sections C8.5 and C9.8.

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.94** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.10** per kW of maximum demand.

For service at transmission voltage (120 kV and above) **\$0.73** 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. 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 10,000 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.

SCHEDULE OF ON-PEAK HOURS: See Section C11.

(Continued on [Sheet No. D-36.00](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-34.00](#))

RATE SCHEDULE NO. D6.1

ALTERNATIVE PRIMARY SUPPLY SERVICE

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 Sections C8.5 and C9.8.

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$3.20 per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) \$1.20 per kW of maximum demand.

For service at transmission voltage (120 kV and above) \$0.80 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 C4.9.

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 10,000 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.

SCHEDULE OF ON-PEAK HOURS: See Section C11.

(Continued on [Sheet No. D-36.00](#))

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:

Demand Charge: **\$11.64** per kW of on-peak billing demand
Energy Charges: **4.294¢** per kWh for all on-peak kWh
3.994¢ per kWh for all off-peak kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$1.93** per kW of maximum demand.
For service at subtransmission voltage (24 to 41.6 kV) **\$0.69** per kW of maximum demand.
For service at transmission voltage (120 kV and above) **\$0.45** 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 Sections C8.5 and C9.8.

(Continued on [Sheet No. D-36.02](#))

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:

Demand Charge: \$12.70 per kW of on-peak billing demand

*Energy Charges: 4.779¢ per kWh for all on-peak kWh
4.479¢ per kWh for all off-peak kWh*

Voltage Level Discount:

0.15¢ per kWh at transmission level

0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$2.24 per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) \$0.84 per kW of maximum demand.

For service at transmission voltage (120 kV and above) \$0.56 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 Sections C8.5 and C9.8.*

(Continued on [Sheet No. D-36.02](#))

Issued February 9, 2010

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated January 25, 2010
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(Continued from [Sheet No. D-36.01](#))

RATE SCHEDULE NO. D6.2 (CONTD)

PRIMARY EDUCATIONAL INSTITUTION RATE

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$1.93** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$0.69** per kW of maximum demand.

For service at transmission voltage (120 kV and above) **\$0.45** 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. 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.

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 or to the minimum contract demand, but will be applied to metered quantities.

(Continued on [Sheet No. D-36.03](#))

Issued November 1, 2011

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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(Continued from [Sheet No. D-36.01](#))

RATE SCHEDULE NO. D6.2 (CONTD)

PRIMARY EDUCATIONAL INSTITUTION RATE

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$2.24 per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) \$0.84 per kW of maximum demand.

For service at transmission voltage (120 kV and above) \$0.56 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. 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.

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 or to the minimum contract demand, but will be applied to metered quantities.

(Continued on [Sheet No. D-36.03](#))

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D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated January 25, 2010
In Case No. U-15768

RATE SCHEDULE NO. D7**SPECIAL MANUFACTURING SUPPLY RATE**

AVAILABILITY OF SERVICE: Available to customers desiring service at primary, sub-transmission, or transmission voltage who took service under a Special Manufacturing Contract during 2004.

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:

Demand Charge: **\$12.81** per kW of on-peak billing demand
Energy Charge: **4.254¢** per kWh for all kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.93** per kW of maximum demand and **(0.184)¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.63** per kW of maximum demand and **(0.184)¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$0.63** per kW of maximum demand and **(0.184)¢** per kWh for all energy delivered.

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 Sections C8.5 and C9.8.

(Continued on [Sheet No. D-38.00](#))

Issued November 1, 2011

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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RATE SCHEDULE NO. D7**SPECIAL MANUFACTURING SUPPLY RATE**

AVAILABILITY OF SERVICE: Available to customers desiring service at primary, sub-transmission, or transmission voltage who took service under a Special Manufacturing Contract during 2004.

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:

Demand Charge: **\$10.40** per kW of on-peak billing demand
Energy Charge: **4.001¢** per kWh for all kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$4.50** per kW of maximum demand and **(0.124)¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$3.28** per kW of maximum demand and **(0.124)¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$2.35** per kW of maximum demand and **(0.124)¢** per kWh for all energy delivered.

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 Sections C8.5 and C9.8.

(Continued on [Sheet No. D-38.00](#))

RATE SCHEDULE NO. D7

SPECIAL MANUFACTURING SUPPLY RATE

AVAILABILITY OF SERVICE: Available to customers desiring service at primary, sub-transmission, or transmission voltage who took service under a *Special Manufacturing* Contract during 2004.

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:

Demand Charge: \$10.23 per kW of on-peak billing demand

Energy Charge: 3.961¢ per kWh for all kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level

0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$4.12 per kW of maximum demand and (0.240)¢ per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) \$2.96 per kW of maximum demand and (0.240)¢ per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) \$2.07 per kW of maximum demand and (0.240)¢ per kWh for all energy delivered.

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 Sections C8.5 and C9.8.

(Continued on [Sheet No. D-38.00](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

RATE SCHEDULE NO. D7

TRANSITIONAL PRIMARY SUPPLY RATE

AVAILABILITY OF SERVICE: Available to customers desiring service at primary, sub-transmission, or transmission voltage who took service under a Special Manufacturing Contract during 2004.

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:

Demand Charge: \$10.30 per kW of on-peak billing demand

Energy Charge: 2.467¢ per kWh for all kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level

0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$3.45 per kW of maximum demand and (0.371)¢ per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) \$2.35 per kW of maximum demand and (0.371)¢ per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) \$1.50 per kW of maximum demand and (0.371)¢ per kWh for all energy delivered.

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 Sections C8.5 and C9.8.

(Continued on [Sheet No. D-38.00](#))

(Continued from [Sheet No. D-37.00](#))

RATE SCHEDULE NO. D7 (CONTD)

SPECIAL MANUFACTURING SUPPLY RATE

Retail Access Service customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.61** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$0.98** 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. 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.

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.

(Continued on [Sheet No. D-39.00](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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In Case No. U-15768

(Continued from [Sheet No. D-37.00](#))

RATE SCHEDULE NO. D7 (CONTD)

SPECIAL MANUFACTURING SUPPLY RATE

Retail Access Service customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$(0.56) per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) \$(0.21) per kW of maximum demand.

For service at transmission voltage (120 kV and above) \$(0.14) 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. 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.

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.

(Continued on [Sheet No. D-39.00](#))

(Continued from [Sheet No. D-37.00](#))

RATE SCHEDULE NO. D7 (CONTD)

SPECIAL MANUFACTURING SUPPLY RATE

Retail Access Service customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) ***\$(0.56)*** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) ***\$(0.21)*** per kW of maximum demand.

For service at transmission voltage (120 kV and above) ***\$(0.14)*** 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. 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.

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.

SCHEDULE OF ON-PEAK HOURS: See Section C11.

(Continued on [Sheet No. D-39.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-37.00](#))

RATE SCHEDULE NO. D7 (CONTD)

TRANSITIONAL PRIMARY SUPPLY RATE

Retail Access Service customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$3.20 per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) \$1.20 per kW of maximum demand.

For service at transmission voltage (120 kV and above) \$0.80 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 C4.9.

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.

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.

SCHEDULE OF ON-PEAK HOURS: See Section C11.

(Continued on [Sheet No. D-39.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated October 9, 2007
In Case No. U-15152

RATE SCHEDULE NO. D8

INTERRUPTIBLE SUPPLY RATE

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 150 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:

0.15¢ per kWh at the distribution level.

0.05¢ 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](#))

(Continued from [Sheet No. D-40.00](#))

RATE SCHEDULE NO. D8 (CONTD)

INTERRUPTIBLE SUPPLY RATE

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Demand Charge: \$8.84 per kW of on-peak billing demand
Energy Charge: 4.400¢ per kWh for all on-peak kWh
4.100¢ per kWh for all off-peak kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$3.12 per kW of maximum demand and 0.079¢ per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) \$1.95 per kW of maximum demand and 0.079¢ per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) \$1.06 per kW of maximum demand and 0.079¢ per kWh for all energy delivered.

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 Sections C8.5 and C9.8.

(Continued on [Sheet No. D-42.00](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-40.00](#))

RATE SCHEDULE NO. D8 (CONTD)

INTERRUPTIBLE SUPPLY RATE

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Demand Charge: **\$6.59** per kW of on-peak billing demand
Energy Charge: **3.973¢** per kWh for all on-peak kWh
3.673¢ per kWh for all off-peak kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level
0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$4.45** per kW of maximum demand and **0.503¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$3.35** per kW of maximum demand and **0.503¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$2.51** per kW of maximum demand and **0.503¢** per kWh for all energy delivered.

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 Sections C8.5 and C9.8.

(Continued on [Sheet No. D-42.00](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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In Case No. U-15768

(Continued from [Sheet No. D-40.00](#))

RATE SCHEDULE NO. D8 (CONTD)

INTERRUPTIBLE SUPPLY RATE

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Demand Charge: **\$8.53** per kW of on-peak billing demand

Energy Charge:

4.014¢ per kWh for all on-peak kWh

3.714¢ per kWh for all off-peak kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level

0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: **\$275** per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.96** per kW of maximum demand and **0.487¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.85** per kW of maximum demand and **0.487¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$1.00** per kW of maximum demand and **0.487¢** per kWh for all energy delivered.

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 Sections C8.5 and C9.8.

(Continued on [Sheet No. D-42.00](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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(Continued from [Sheet No. D-40.00](#))

RATE SCHEDULE NO. D8 (CONTD)

INTERRUPTIBLE SUPPLY RATE

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Demand Charge: \$8.46 per kW of on-peak billing demand

Energy Charge:

2.364¢ per kWh for all on-peak kWh

2.064¢ per kWh for all off-peak kWh

Voltage Level Discount:

0.15¢ per kWh at transmission level

0.10¢ per kWh at subtransmission level

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$3.50 per kW of maximum demand and 0.625¢ per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) \$2.40 per kW of maximum demand and 0.625¢ per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) \$1.55 per kW of maximum demand and 0.625¢ per kWh for all energy delivered.

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 Sections C8.5 and C9.8.

(Continued on [Sheet No. D-42.00](#))

(Continued from [Sheet No. D-41.00](#))

RATE SCHEDULE NO. D8 (CONTD)

INTERRUPTIBLE SUPPLY RATE

Retail Access Service customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$3.03** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.14** per kW of maximum demand.

For service at transmission voltage (120 kV and above) **\$0.76** 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.

(Continued on [Sheet No. D-43.00](#))

(Continued from [Sheet No. D-41.00](#))

RATE SCHEDULE NO. D8 (CONTD)

INTERRUPTIBLE SUPPLY RATE

Retail Access Service customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$2.66 per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) \$1.00 per kW of maximum demand.

For service at transmission voltage (120 kV and above) \$0.67 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.

(Continued on [Sheet No. D-43.00](#))

Issued October 20, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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In Case No. U-15806

(Continued from [Sheet No. D-41.00](#))

RATE SCHEDULE NO. D8 (CONTD)

INTERRUPTIBLE SUPPLY RATE

Retail Access Service customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) **\$2.66** per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) **\$1.00** per kW of maximum demand.

For service at transmission voltage (120 kV and above) **\$0.67** 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.

ON-PEAK HOURS: See Section C11.

(Continued on [Sheet No. D-43.00](#))

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D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-41.00](#))

RATE SCHEDULE NO. D8 (CONTD)

INTERRUPTIBLE SUPPLY RATE

Retail Access Service customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24 kV) \$3.20 per kW of maximum demand.

For service at subtransmission voltage (24 to 41.6 kV) \$1.20 per kW of maximum demand.

For service at transmission voltage (120 kV and above) \$0.80 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 C4.9.

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.

ON-PEAK HOURS: See Section C11.

PRODUCT PROTECTION PROVISION (Full 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 10% of the total contracted interruptible load and shall be charged a monthly demand charge per kW of product protection contract capacity equal to the kW demand charges for the primary supply rate (D6) including on-peak demand charges and maximum demand charges as applicable. The 10% limitation may be increased to 25% in special situations.

(Continued on [Sheet No. D-43.00](#))

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Regulatory Affairs

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(Continued from [Sheet No. D-42.00](#))

RATE SCHEDULE NO. D8 (CONTD)

INTERRUPTIBLE SUPPLY 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: 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.

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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. This service is limited to not more than eight (8) units installed on not more than four (4) new or existing poles.

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 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.

EXPERIMENTAL EMERGING LIGHTING TECHNOLOGY PROVISION: Available on an optional basis to customers desiring Outdoor Protective Lighting Service using emerging lighting technologies not otherwise offered through the standard tariff. The Company will own, operate, and maintain the emerging lighting technology equipment and the Customer will provide a contribution in aid of construction equal to the amount by which the investment exceeds three times the estimated annual revenue. Emerging lighting technologies and Customer participation must be approved by the Company and the energy and maintenance benefits for each project will be calculated based on predicted energy and luminaire life. The Company and the Customer will mutually agree on all prices, terms, and conditions for the service under this provision, evidenced by signed agreement.

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 service will be taken for a minimum of two years, except that where more than two lights are installed or special purpose facilities are required, the contract term may be extended up to five years. Contracts for 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](#))

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Vice President
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Detroit, Michigan

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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. This service is limited to not more than eight (8) units installed on not more than four (4) new or existing poles.

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 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.

EXPERIMENTAL EMERGING LIGHTING TECHNOLOGY PROVISION: *Available on an optional basis to customers desiring Outdoor Protective Lighting Service using emerging lighting technologies not otherwise offered through the standard tariff. The Company will own, operate, and maintain the emerging lighting technology equipment and the Customer will provide a contribution in aid of construction equal to the amount by which the investment exceeds three times the estimated annual revenue. Emerging lighting technologies and Customer participation must be approved by the Company and the energy and maintenance benefits for each project will be calculated based on predicted energy and luminaire life. The Company and the Customer will mutually agree on all prices, terms, and conditions for the service under this provision, evidenced by signed agreement.*

RATES: As shown on Sheet No. D45.00 and D46.00.

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 service will be taken for a minimum of two years, except that where more than two lights are installed or special purpose facilities are required, the contract term may be extended up to five years. Contracts for 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. D46.00 cover the ordinary trenching for cable extensions under normal soil conditions in cleared areas.

(Continued on [Sheet No. D-45.00](#))

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. This service is limited to not more than eight (8) units installed on not more than four (4) new or existing poles.

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 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.

EXPERIMENTAL EMERGING LIGHTING TECHNOLOGY PROVISION: *Available on an optional basis to customers desiring Outdoor Protective Lighting Service using emerging lighting technologies not otherwise offered through the standard tariff. The Company will own, operate, and maintain the emerging lighting technology equipment and the Customer will provide a contribution in aid of construction equal to the amount by which the investment exceeds three times the estimated annual revenue. Emerging lighting technologies and Customer participation must be approved by the Company and the energy and maintenance benefits for each project will be calculated based on predicted energy and luminaire life. The Company and the Customer will mutually agree on all prices, terms, and conditions for the service under this provision, evidenced by signed agreement.*

RATES: As shown on Sheet No. D45.00 and D46.00.

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 service will be taken for a minimum of two years, except that where more than two lights are installed or special purpose facilities are required, the contract term may be extended up to five years. Contracts for 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. D46.00 cover the ordinary trenching for cable extensions under normal soil conditions in cleared areas.

(Continued on [Sheet No. D-45.00](#))

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. This service is limited to not more than eight (8) units installed on not more than four (4) new or existing poles.

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 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.

RATES: As shown on Sheet No. D45.00 and D46.00.

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 service will be taken for a minimum of two years, except that where more than two lights are installed or special purpose facilities are required, the contract term may be extended up to five years. Contracts for 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. D46.00 cover the ordinary trenching for cable extensions under normal soil conditions in cleared areas.

(Continued on [Sheet No. D-45.00](#))

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Vice President
Regulatory Affairs

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In Case No. U-15152

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. This service is limited to not more than eight (8) units installed on not more than four (4) new or existing poles.

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 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.

RATES: As shown on Sheet No. D45.00 and D46.00.

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 C4.9.

CONTRACT TERM: Contracts for overhead service will be taken for a minimum of two years, except that where more than two lights are installed or special purpose facilities are required, the contract term may be extended up to five years. Contracts for 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. D46.00 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.

RATES: All-night service.

Nominal Lamp Size

Watts

Type of Service

**Charge per
Lamp per Year**

Overhead Protective Lighting Service
Existing Pole and Existing Secondary Facilities

175	Mercury Vapor	\$185.57
250	Mercury Vapor	\$219.41
400	Mercury Vapor	\$288.37
1,000	Mercury Vapor	\$535.65
100	High Pressure Sodium	\$135.95
150	High Pressure Sodium	\$163.20
250	High Pressure Sodium	\$211.31
400	High Pressure Sodium	\$334.66
1,000	High Pressure Sodium	\$426.46
100	Metal Halide	\$202.62
150 or 175	Metal Halide	\$260.75
250	Metal Halide	\$406.05
320 or 400	Metal Halide	\$430.35
1,000	Metal Halide	\$535.60

For installations prior to January 22, 1994. New Pole and Single Span of Secondary Facilities. The above rate plus \$24.48 per pole per year.

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.

Multiple Lamps on a Single Pole. For each additional luminaire added to the same pole the charge will be at the existing pole rate.

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 fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.

(Continued on [Sheet No. D-46.00](#))

Issued November 1, 2011

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Vice President

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In Case No. U-16472

(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.

RATES: All-night service.

Nominal Lamp Size

Watts

Type of Service

**Charge per
Lamp per Year**

Overhead Protective Lighting Service
Existing Pole and Existing Secondary Facilities

175	Mercury Vapor	\$163.68
250	Mercury Vapor	\$195.36
400	Mercury Vapor	\$243.00
1,000	Mercury Vapor	\$487.32
100	High Pressure Sodium	\$141.00
150	High Pressure Sodium	\$169.26
250	High Pressure Sodium	\$214.44
400	High Pressure Sodium	\$343.32
1,000	High Pressure Sodium	\$442.30
100	Metal Halide	\$159.36
150 or 175	Metal Halide	\$223.72
250	Metal Halide	\$348.39
320 or 400	Metal Halide	\$369.24
1,000	Metal Halide	\$459.54

For installations prior to January 22, 1994. New Pole and Single Span of Secondary Facilities. The above rate plus \$24.48 per pole per year.

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.

Multiple Lamps on a Single Pole. For each additional luminaire added to the same pole the charge will be at the existing pole rate.

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 fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.

(Continued on [Sheet No. D-46.00](#))

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Vice President

Regulatory Affairs

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dated January 25, 2010
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(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.

RATES: All-night service.

Nominal Lamp Size

Watts

Type of Service

**Charge per
Lamp per Year**

Overhead Protective Lighting Service		
Existing Pole and Existing Secondary Facilities		
175	Mercury Vapor	\$141.72
250 Not available for new business	Mercury Vapor	\$165.96
400	Mercury Vapor	\$205.92
1,000	Mercury Vapor	\$413.04
100	High Pressure Sodium	\$127.80
250	High Pressure Sodium	\$193.20
400	High Pressure Sodium	\$306.48
1,000	High Pressure Sodium	\$447.00
100	Metal Halide	\$140.04
250	Metal Halide	\$317.88
400	Metal Halide	\$323.76
1,000	Metal Halide	\$455.31

For installations prior to January 22, 1994. New Pole and Single Span of Secondary Facilities. The above rate plus \$24.48 per pole per year.

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.

Multiple Lamps on a Single Pole. For each additional luminaire added to the same pole the charge will be at the existing pole rate.

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, the option will no longer be available. Customers with existing Mercury Vapor lamp ballasts will continue to receive service until those fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.

(Continued on [Sheet No. D-46.00](#))

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Regulatory Affairs

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(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.

RATES: All-night service.

<u>Nominal Lamp Size</u> <u>Watts</u>	<u>Type of Service</u>	<u>Charge per</u> <u>Lamp per Year</u>
Overhead Protective Lighting Service Existing Pole and Existing Secondary Facilities		
175	Mercury Vapor	\$143.28
250*	Mercury Vapor	\$167.76
400	Mercury Vapor	\$208.08
1,000	Mercury Vapor	\$417.48
100	High Pressure Sodium	\$129.12
250	High Pressure Sodium	\$195.24
400	High Pressure Sodium	\$309.72

For installations prior to January 22, 1994
New Pole and Single Span of Secondary Facilities
The above rate plus \$24.48 per pole per year.

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.

Multiple Lamps on a Single Pole
For each additional luminaire added to the same pole
the charge will be at the existing pole rate.

*Not available for new business.

(Continued on [Sheet No. D-46.00](#))

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Regulatory Affairs
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(Continued from [Sheet No. D-45.00](#))

RATE SCHEDULE NO. D9 (CONTD)

OUTDOOR PROTECTIVE LIGHTING

RATES: All-night service supplied by mercury vapor lamps.

Nominal Lamp Size <u>Watts</u>	Charge per <u>Lamp per Year</u>
Ornamental Underground Protective Lighting Service* Lamp Spacing up to 120 Feet of Trench	
100	\$348.76
175	\$401.40
250	\$423.14
400	\$491.93
1,000	\$687.48

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 fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.

*Not available for new business.

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Vice President
Regulatory Affairs

Detroit, Michigan

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In Case No. U-16472

(Continued from [Sheet No. D-45.00](#))

RATE SCHEDULE NO. D9 (CONTD)

OUTDOOR PROTECTIVE LIGHTING

RATES: All-night service supplied by mercury vapor lamps.

Nominal Lamp Size <u>Watts</u>	Charge per <u>Lamp per Year</u>
Ornamental Underground Protective Lighting Service* Lamp Spacing up to 120 Feet of Trench	
100	\$329.16
175	\$378.84
250	\$399.36
400	\$464.28
1,000	\$648.84

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 fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.

*Not available for new business.

Issued February 9, 2010
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Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

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dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-45.00](#))

RATE SCHEDULE NO. D9 (CONTD)

OUTDOOR PROTECTIVE LIGHTING

RATES: All-night service supplied by mercury vapor lamps.

Nominal Lamp Size <u>Watts</u>	Charge per <u>Lamp per Year</u>
Ornamental Underground Protective Lighting Service* Lamp Spacing up to 120 Feet of Trench	
100	\$289.44
175	\$333.12
250	\$351.24
400	\$408.24
1,000	\$570.60

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, the option will no longer be available. Customers with existing Mercury Vapor lamp ballasts will continue to receive service until those fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.

*Not available for new business.

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-45.00](#))

RATE SCHEDULE NO. D9 (CONTD)

OUTDOOR PROTECTIVE LIGHTING

RATES: All-night service supplied by mercury vapor lamps.

Nominal Lamp Size <u>Watts</u>	Charge per <u>Lamp per Year</u>
Ornamental Underground Protective Lighting Service* Lamp Spacing up to 120 Feet of Trench	
100	\$292.56
175	\$336.60
250	\$354.96
400	\$412.56
1,000	\$576.60

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.

*Not available for new business.

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:

Power Supply Charges:

Energy Charge (June through October):	8.993¢ per kWh for all kWh
Energy Charge (November through May):	7.256¢ per kWh for all kWh

Delivery Charges:

Service Charge:	\$108 per month
Distribution Charge:	1.017¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$108 per month
Distribution Charge:	1.008¢ per kWh for all kWh

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 any applicable per meter per month surcharges.

(Continued on [Sheet No. D-48.00](#))

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:

Power Supply Charges:

Energy Charge (June through October):	8.336¢ per kWh for all kWh
Energy Charge (November through May):	6.626¢ per kWh for all kWh

Delivery Charges:

Service Charge:	\$108 per month
Distribution Charge:	2.031¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$108 per month
Distribution Charge:	1.121¢ per kWh for all kWh

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 any applicable per meter per month surcharges.

(Continued on [Sheet No. D-48.00](#))

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:

Power Supply Charges:

Energy Charge (June through October):	8.372¢ per kWh for all kWh
Energy Charge (November through May):	6.729¢ per kWh for all kWh

Delivery Charges:

Service Charge:	\$108 per month
Distribution Charge:	1.593¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$108 per month
Distribution Charge:	0.803¢ per kWh for all kWh

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 any applicable per meter per month surcharges.*

(Continued on [Sheet No. D-48.00](#))

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:

Power Supply Charges:

Energy Charge (June through October):	8.372¢ per kWh for all kWh
Energy Charge (November through May):	6.729¢ per kWh for all kWh

Delivery Charges:

Service Charge:	\$108 per month
Distribution Charge:	1.593¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$108 per month
Distribution Charge:	0.803¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

(Continued on [Sheet No. D-48.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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Issued under authority of the
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dated January 13, 2009
In Case No. U-15244

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:

Power Supply Charges:

Energy Charge (June through October):	6.073¢ per kWh for all kWh
Energy Charge (November through May):	4.403¢ per kWh for all kWh

Delivery Charges:

Service Charge:	\$108.00 per month
Distribution Charge:	2.564¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge:	\$108.00 per month
Distribution Charge:	1.322¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

(Continued on [Sheet No. D-48.00](#))

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, except for limited additions to existing systems, but will be continued for customers taking said service as of July 23, 1981.

HOURS OF SERVICE: For circuits controlled by photo-sensitive devices, the street lights are burning at all times when the general level of illumination is lower than about 3/4 of a footcandle.

KIND OF SERVICE: Multiple or series street lighting at the option of the Company from overhead lines or underground circuits.

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

OPTION I

The Company will clean, inspect, operate and maintain street lighting equipment and furnish lamp replacements.

EXPERIMENTAL EMERGING LIGHTING TECHNOLOGY PROVISION: *Available on an optional basis to customers desiring Municipal Street Lighting Service using emerging lighting technologies not otherwise offered through the standard tariff. The Company will own, operate, and maintain the emerging lighting technology equipment and the Customer will provide a contribution in aid of construction equal to the amount by which the investment exceeds three times the estimated annual revenue. Emerging lighting technologies and Customer participation must be approved by the Company and the energy and maintenance benefits for each project will be calculated based on predicted energy and luminaire life. The Company and the Customer will mutually agree on all prices, terms, and conditions for the service under this provision, evidenced by signed agreement.*

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.

LATE PAYMENT CHARGE: See Section C4.8.

(Continued on [Sheet No. D-50.00](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

RATE SCHEDULE NO. E1

MUNICIPAL STREET LIGHTING RATE
(HIGH INTENSITY DISCHARGE LAMP SERVICE)

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, except for limited additions to existing systems, but will be continued for customers taking said service as of July 23, 1981.

HOURS OF SERVICE: For circuits controlled by photo-sensitive devices, the street lights are burning at all times when the general level of illumination is lower than about 3/4 of a footcandle.

KIND OF SERVICE: Multiple or series street lighting at the option of the Company from overhead lines or underground circuits.

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

OPTION I

The Company will clean, inspect, operate and maintain street lighting equipment and furnish lamp replacements.

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 will be closed to new customers effective January 14, 2009.

OPTION III

Where the municipality owns and maintains the system, the Company's function will be confined solely to the supply of electricity.

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.

LATE PAYMENT CHARGE: See Section C4.8.

(Continued on [Sheet No. D-50.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

RATE SCHEDULE NO. E1

MUNICIPAL STREET LIGHTING RATE
(HIGH INTENSITY DISCHARGE LAMP SERVICE)

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, except for limited additions to existing systems, but will be continued for customers taking said service as of July 23, 1981.

HOURS OF SERVICE: For circuits controlled by photo-sensitive devices, the street lights are burning at all times when the general level of illumination is lower than about 3/4 of a footcandle.

KIND OF SERVICE: Multiple or series street lighting at the option of the Company from overhead lines or underground circuits.

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

OPTION I

The Company will clean, inspect, operate and maintain street lighting equipment and furnish lamp replacements.

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.

OPTION III

Where the municipality owns and maintains the system, the Company's function will be confined solely to the supply of electricity.

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.

LATE PAYMENT CHARGE: See Section C4.9.

CONTRACT TERM: Open order terminable on a thirty day written notice by either 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.

(Continued on [Sheet No. D-50.00](#))

(Continued from [Sheet No. D-49.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

CONTRACT TERM: Open order terminable on a thirty day written notice by either 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 12% times the contribution amount in lieu of the cash contribution.

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.

RATES: All-night service.
(Overhead Street Lighting Service)

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
100 Watt	Mercury Vapor	\$154.80
175 Watt	Mercury Vapor	\$200.64
250 Watt	Mercury Vapor	\$225.84
400 Watt	Mercury Vapor	\$300.72
1,000 Watt	Mercury Vapor	\$536.16
70 Watt	High Pressure Sodium	\$174.36
100 Watt	High Pressure Sodium	\$183.48
150 Watt	High Pressure Sodium	\$200.52
250 Watt	High Pressure Sodium	\$233.88
360 or 400 Watt	High Pressure Sodium	\$305.16
1,000 Watt	High Pressure Sodium	\$564.96
70 Watt	Metal Halide	\$252.12
100 Watt	Metal Halide	\$265.32
150 or 175 Watt	Metal Halide	\$313.80
250 Watt	Metal Halide	\$352.20
320 or 400 Watt	Metal Halide	\$458.28
1,000 Watt	Metal Halide	\$758.04

- 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 fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.

(Continued on [Sheet No. D-51.00](#))

Issued November 1, 2011

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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(Continued from [Sheet No. D-49.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

CONTRACT TERM: Open order terminable on a thirty day written notice by either 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 12% times the contribution amount in lieu of the cash contribution.

RATES: All-night service.
(Overhead Street Lighting Service)

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
100 Watt	Mercury Vapor	\$138.60
175 Watt	Mercury Vapor	\$179.76
250 Watt	Mercury Vapor	\$203.04
400 Watt	Mercury Vapor	\$271.08
1,000 Watt	Mercury Vapor	\$483.36
70 Watt	High Pressure Sodium	\$170.04
100 Watt	High Pressure Sodium	\$178.92
150 Watt	High Pressure Sodium	\$195.60
250 Watt	High Pressure Sodium	\$228.12
360 or 400 Watt	High Pressure Sodium	\$297.60
1,000 Watt	High Pressure Sodium	\$550.92
70 Watt	Metal Halide	\$192.48
100 Watt	Metal Halide	\$202.56
150 or 175 Watt	Metal Halide	\$239.64
250 Watt	Metal Halide	\$268.92
320 or 400 Watt	Metal Halide	\$349.92
1,000 Watt	Metal Halide	\$578.88

- 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 fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.*

(Continued on [Sheet No. D-51.00](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-49.00](#))

RATE SCHEDULE NO. E1

MUNICIPAL STREET LIGHTING RATE
(HIGH INTENSITY DISCHARGE LAMP SERVICE)

CONTRACT TERM: Open order terminable on a thirty day written notice by either 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 12% times the contribution amount in lieu of the cash contribution.

RATES: All-night service.
(Overhead Street Lighting Service)

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
100 Watt	Mercury Vapor	<i>\$116.40</i>
175 Watt	Mercury Vapor	<i>\$150.24</i>
250 Watt Not available for new business.	Mercury Vapor	<i>\$169.68</i>
400 Watt	Mercury Vapor	<i>\$226.56</i>
1,000 Watt	Mercury Vapor	<i>\$405.96</i>
70 Watt	High Pressure Sodium	<i>\$164.76</i>
100 Watt	High Pressure Sodium	<i>\$173.40</i>
250 Watt	High Pressure Sodium	<i>\$221.64</i>
360 or 400 Watt	High Pressure Sodium	<i>\$288.36</i>
1,000 Watt	High Pressure Sodium	<i>\$493.20</i>
<i>70 Watt</i>	<i>Metal Halide</i>	<i>\$164.76</i>
<i>100 Watt</i>	<i>Metal Halide</i>	<i>\$173.40</i>
<i>175 Watt</i>	<i>Metal Halide</i>	<i>\$197.52</i>
<i>250 Watt</i>	<i>Metal Halide</i>	<i>\$221.64</i>
<i>400 Watt</i>	<i>Metal Halide</i>	<i>\$288.36</i>
<i>1,000 Watt</i>	<i>Metal Halide</i>	<i>\$493.20</i>

- 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, the option will no longer be available. Customers with existing Mercury Vapor lamp ballasts will continue to receive service until those fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.*

(Continued on [Sheet No. D-51.00](#))

Issued January 14, 2009

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-49.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

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.

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 12% times the contribution amount in lieu of the cash contribution.

RATES: All-night service.
(Overhead Street Lighting Service)

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
100 Watt*	Mercury Vapor	\$117.60
175 Watt	Mercury Vapor	\$151.80
250 Watt*	Mercury Vapor	\$171.36
400 Watt	Mercury Vapor	\$228.84
1,000 Watt	Mercury Vapor	\$410.04
70 Watt	High Pressure Sodium	\$166.44
100 Watt	High Pressure Sodium	\$175.08
250 Watt	High Pressure Sodium	\$223.92
360 or 400 Watt	High Pressure Sodium	\$291.24
1,000 Watt	High Pressure Sodium	\$498.12

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.

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 \$15.00 charge per luminaire will be made at the time of reconnection.

DUSK TO MIDNIGHT SERVICE: For service to parking lots from dusk to approximately twelve o'clock midnight E.S.T., a discount of 1.06¢ per nominal lamp size wattage per month will be applied. One control per circuit will be provided.

* Not available for new business.

** Effective January 1, 1991, the investment amount will be limited to direct cost.
Effective January 1, 1992, the investment amount will include full cost.

(Continued on [Sheet No. D-51.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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

(Continued from [Sheet No. D-50.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

Option I: Company Owned Street Lighting System (Contd)
Ornamental Underground Street Lighting Service
(Lamp Spacing up to 120 Feet of Street)

RATES: All-night service.

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
100 Watt	Mercury Vapor	\$351.48
175 Watt	Mercury Vapor	\$404.16
250 Watt	Mercury Vapor	\$445.56
400 Watt	Mercury Vapor	\$530.52
1,000 Watt	Mercury Vapor	\$744.96
70 Watt	High Pressure Sodium	\$320.16
100 Watt	High Pressure Sodium	\$329.04
150 Watt	High Pressure Sodium	\$358.92
250 Watt	High Pressure Sodium	\$419.28
360 Watt	High Pressure Sodium	\$512.40
400 Watt	High Pressure Sodium	\$511.56
1,000 Watt	High Pressure Sodium	\$664.92
70 Watt	Metal Halide	\$418.92
100 Watt	Metal Halide	\$431.64
150 or 175 Watt	Metal Halide	\$510.12
250 Watt	Metal Halide	\$571.80
320 or 400 Watt	Metal Halide	\$702.96
1,000 Watt	Metal Halide	\$872.04

- For lamp spacing over 120 feet up to 325 feet on the same side of street, add to rate per lamp per year..... \$24.48
- For Semi-Ornamental Systems which employ Ornamental Post Units served from overhead conductors, where such construction is practical, reduce rate per lamp per year \$21.48

Multiple Lamps on a Single Pole

- For additional luminaire added to the same pole, reduce rate per lamp per year on the added luminaire
Ornamental \$97.92
Ornamental-Lamp spacing over 120 feet \$122.40
Semi-Ornamental \$76.56

(Continued on [Sheet No. D-52.00](#))

Issued November 1, 2011
D. G. Brudzynski
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In Case No. U-16472

(Continued from [Sheet No. D-50.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

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 \$15.00 charge per luminaire will be made at the time of reconnection.

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.

Option I: Company Owned Street Lighting System (Contd)
Ornamental Underground Street Lighting Service
(Lamp Spacing up to 120 Feet of Street)

RATES: All-night service.

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
100 Watt	Mercury Vapor	\$310.08
175 Watt	Mercury Vapor	\$356.52
250 Watt	Mercury Vapor	\$393.00
400 Watt	Mercury Vapor	\$466.80
1,000 Watt	Mercury Vapor	\$655.56
70 Watt	High Pressure Sodium	\$304.32
100 Watt	High Pressure Sodium	\$312.84
150 Watt	High Pressure Sodium	\$341.52
250 Watt	High Pressure Sodium	\$399.00
360 Watt	High Pressure Sodium	\$488.88
400 Watt	High Pressure Sodium	\$488.04
1,000 Watt	High Pressure Sodium	\$634.32
70 Watt	Metal Halide	\$319.92
100 Watt	Metal Halide	\$329.64
150 or 175 Watt	Metal Halide	\$389.52
250 Watt	Metal Halide	\$436.68
320 or 400 Watt	Metal Halide	\$536.76
1,000 Watt	Metal Halide	\$665.88
• For lamp spacing over 120 feet up to 325 feet on the same side of street, add to rate per lamp per year.....		\$24.48
• For Semi-Ornamental Systems which employ Ornamental Post Units served from overhead conductors, where such construction is practical, reduce rate per lamp per year		\$21.48

Multiple Lamps on a Single Pole

- For additional luminaire added to the same pole, reduce rate per lamp per year on the added luminaire
 - Ornamental \$97.92
 - Ornamental-Lamp spacing over 120 feet \$122.40
 - Semi-Ornamental \$76.56

(Continued on [Sheet No. D-52.00](#))

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(Continued from [Sheet No. D-50.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE
(HIGH INTENSITY DISCHARGE LAMP SERVICE)

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 \$15.00 charge per luminaire will be made at the time of reconnection.

DUSK TO MIDNIGHT SERVICE: For service to parking lots from dusk to approximately twelve o'clock midnight E.S.T., a discount of 1.06¢ per nominal lamp size wattage per month will be applied. One control per circuit will be provided.

Option I: Company Owned Street Lighting System (Contd)

Ornamental Underground Street Lighting Service
(Lamp Spacing up to 120 Feet of Street)

RATES: All-night service.

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
100 Watt Not available for new business.	Mercury Vapor	\$262.92
175 Watt	Mercury Vapor	\$299.40
250 Watt Not available for new business.	Mercury Vapor	\$328.44
400 Watt	Mercury Vapor	\$390.12
1,000 Watt	Mercury Vapor	\$545.28
70 Watt	High Pressure Sodium	\$273.84
100 Watt	High Pressure Sodium	\$282.24
250 Watt	High Pressure Sodium	\$359.88
360 or 400 Watt	High Pressure Sodium	\$442.32
1,000 Watt	High Pressure Sodium	\$567.24
70 Watt	Metal Halide	\$273.84
100 Watt	Metal Halide	\$282.24
175 Watt	Metal Halide	\$321.00
250 Watt	Metal Halide	\$359.88
400 Watt	Metal Halide	\$442.32
1,000 Watt	Metal Halide	\$567.24
<ul style="list-style-type: none">For lamp spacing over 120 feet up to 325 feet on the same side of street, add to rate per lamp per year \$24.48For Semi-Ornamental Systems which employ Ornamental Post Units served from overhead conductors, where such construction is practical, reduce rate per lamp per year \$21.48		

Multiple Lamps on a Single Pole

- For additional luminaire added to the same pole, reduce rate per lamp per year on the added luminaire
 - Ornamental \$97.92
 - Ornamental-Lamp spacing over 120 feet \$122.40
 - Semi-Ornamental \$76.56

(Continued on [Sheet No. D-52.00](#))

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(Continued from [Sheet No. D-50.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

Option I: Company Owned Street Lighting System (Contd)

Ornamental Underground Street Lighting Service
(Lamp Spacing up to 120 Feet of Street)

RATES: All-night service.

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
100 Watt*	Mercury Vapor	\$265.56
175 Watt	Mercury Vapor	\$302.40
250 Watt*	Mercury Vapor	\$331.68
400 Watt	Mercury Vapor	\$394.08
1,000 Watt	Mercury Vapor	\$550.80
70 Watt	High Pressure Sodium	\$276.60
100 Watt	High Pressure Sodium	\$285.12
250 Watt	High Pressure Sodium	\$363.48
360 or 400 Watt	High Pressure Sodium	\$446.76
1,000 Watt	High Pressure Sodium	\$572.88

For lamp spacing over 120 feet up to 325 feet on the same side of street, add to rate per lamp
per year\$24.48

For Semi-Ornamental Systems which employ Ornamental Post Units served from overhead conductors, where such
construction is practical, reduce rate per lamp per year\$21.48

Multiple Lamps on a Single Pole

For additional luminaire added to the same pole, reduce rate per lamp per year on the added luminaire
Ornamental\$97.92
Ornamental-Lamp spacing over 120 feet.....\$122.40

Semi-Ornamental\$76.56

*Not available for new business.

(Continued on [Sheet No. D-52.00](#))

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(Continued from [Sheet No. D-51.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

OPTION II: Street Equipment Owned by Municipality

RATES: All-night service.

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
175 Watt	Mercury Vapor	\$123.36
250 Watt	Mercury Vapor	\$157.44
400 Watt	Mercury Vapor	\$191.52
1,000 Watt	Mercury Vapor	\$329.76
70 Watt	High Pressure Sodium	\$101.04
100 Watt	High Pressure Sodium	\$110.04
250 Watt	High Pressure Sodium	\$163.32
360 or 400 Watt	High Pressure Sodium	\$236.16
1,000 Watt	High Pressure Sodium	\$423.12
70 Watt	Metal Halide	\$116.52
100 Watt	Metal Halide	\$124.68
175 Watt	Metal Halide	\$162.48
250 Watt	Metal Halide	\$177.12
400 Watt	Metal Halide	\$257.04
1,000 Watt	Metal Halide	\$433.20

- 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 fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.
- **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](#))

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(Continued from [Sheet No. D-51.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

Option I: Company Owned Street Lighting System (Contd)

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 \$15.00 charge per luminaire will be made at the time of reconnection.

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.

OPTION II: Street Equipment Owned by Municipality

RATES: All-night service.

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
175 Watt	Mercury Vapor	\$114.00
250 Watt	Mercury Vapor	\$145.44
400 Watt	Mercury Vapor	\$177.00
1,000 Watt	Mercury Vapor	\$304.68
70 Watt	High Pressure Sodium	\$93.36
100 Watt	High Pressure Sodium	\$101.64
250 Watt	High Pressure Sodium	\$150.96
360 or 400 Watt	High Pressure Sodium	\$218.16
1,000 Watt	High Pressure Sodium	\$390.96
70 Watt	Metal Halide	\$107.64
100 Watt	Metal Halide	\$115.20
175 Watt	Metal Halide	\$150.12
250 Watt	Metal Halide	\$163.68
400 Watt	Metal Halide	\$237.48
1,000 Watt	Metal Halide	\$400.32

- *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 fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.*
- **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 \$15.00 charge per luminaire will be made at the time of reconnection.
- **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](#))

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(Continued from [Sheet No. D-51.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE
(HIGH INTENSITY DISCHARGE LAMP SERVICE)

Option I: Company Owned Street Lighting System (Contd)

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 \$15.00 charge per luminaire will be made at the time of reconnection.

DUSK TO MIDNIGHT SERVICE: For service to parking lots from dusk to approximately twelve o'clock midnight E.S.T., a discount of 1.06¢ per nominal lamp size wattage per month will be applied. One control per circuit will be provided.

OPTION II: Street Equipment Owned by Municipality

RATES: All-night service.

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
175 Watt	Mercury Vapor	\$100.68
250 Watt Not available for new business.	Mercury Vapor	\$128.52
400 Watt	Mercury Vapor	\$156.36
1,000 Watt	Mercury Vapor	\$269.16
70 Watt	High Pressure Sodium	\$82.44
100 Watt	High Pressure Sodium	\$89.76
250 Watt	High Pressure Sodium	\$133.32
360 or 400 Watt	High Pressure Sodium	\$192.72
1,000 Watt	High Pressure Sodium	\$345.36
70 Watt	Metal Halide	\$95.04
100 Watt	Metal Halide	\$101.76
175 Watt	Metal Halide	\$132.60
250 Watt	Metal Halide	\$144.60
400 Watt	Metal Halide	\$209.76
1,000 Watt	Metal Halide	\$353.64

- 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, the option will no longer be available. Customers with existing Mercury Vapor lamp ballasts will continue to receive service until those fixtures fail. At that time, customers will be given the option of switching to High Pressure Sodium, Metal Halide or retiring the fixture.*
- 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 \$15.00 charge per luminaire will be made at the time of reconnection.
- DUSK TO MIDNIGHT SERVICE:** For service to parking lots from dusk to approximately twelve o'clock midnight E.S.T., a discount of 1.06¢ per nominal watt per month will be applied. One control per circuit will be provided.

(Continued on [Sheet No. D-53.00](#))

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Detroit, Michigan

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In Case No. U-15244

(Continued from [Sheet No. D-51.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

Option I: Company Owned Street Lighting System (Contd)

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 \$15.00 charge per luminaire will be made at the time of reconnection.

DUSK TO MIDNIGHT SERVICE: For service to parking lots from dusk to approximately twelve o'clock midnight E.S.T., a discount of 1.06¢ per nominal lamp size wattage per month will be applied. One control per circuit will be provided.

OPTION II: Street Equipment Owned by Municipality

RATES: All-night service.

<u>Nominal Lamp Size</u>	<u>Type of Service</u>	<u>Charge per Lamp per Year</u>
175 Watt	Mercury Vapor	\$101.64
250 Watt*	Mercury Vapor	\$129.84
400 Watt	Mercury Vapor	\$157.92
1,000 Watt	Mercury Vapor	\$271.80
70 Watt	High Pressure Sodium	\$83.28
100 Watt	High Pressure Sodium	\$90.60
250 Watt	High Pressure Sodium	\$134.64
360 or 400 Watt	High Pressure Sodium	\$194.64
1,000 Watt	High Pressure Sodium	\$348.84

*Not available for new business.

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 \$15.00 charge per luminaire will be made at the time of reconnection.

DUSK TO MIDNIGHT SERVICE: For service to parking lots from dusk to approximately twelve o'clock midnight E.S.T., a discount of 1.06¢ per nominal watt per month will be applied. One control per circuit will be provided.

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

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 2.67 cents per nominal connected watt per month of lamps so served. 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.

(Continued on [Sheet No. D-53.00](#))

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Detroit, Michigan

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In Case No. U-15152

(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)

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 **2.99¢** per nominal connected watt per month of lamps so served. 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.

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, the streetlights burn whenever the general level of illumination is less than approximately 3/4 footcandle. For dusk to midnight service, luminaires shall be controlled to turn off at approximately twelve o'clock midnight.

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](#))

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In Case No. U-15768

(Continued from [Sheet No. D-52.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE
(HIGH INTENSITY DISCHARGE LAMP SERVICE)

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

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 **2.64¢** per nominal connected watt per month of lamps so served. 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.

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, the streetlights burn whenever the general level of illumination is less than approximately 3/4 footcandle. For dusk to midnight service, luminaires shall be controlled to turn off at approximately twelve o'clock midnight.

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](#))

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(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 (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.

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, the streetlights burn whenever the general level of illumination is less than approximately 3/4 footcandle. For dusk to midnight service, luminaires shall be controlled to turn off at approximately twelve o'clock midnight.

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.

MONTHLY RATE:

Secondary Energy:

Full Service Customers:

Power Supply Charge:

2.00¢ per kWh for all kWh

Delivery System Charge:

2.338¢ 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.

(Continued on [Sheet No. D-54.00](#))

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(Continued from [Sheet No. D-53.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

MONTHLY RATE:

Secondary Energy

Full Service Customers:

Power Supply Charge:

5.221¢ per kWh for all kWh

Delivery System Charge:

2.254¢ 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:

Delivery System Charge:

2.021¢ 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.

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

For dusk to midnight service, the monthly Power Supply Charge per kWh shall be 10.399¢ per kWh and the Delivery System Charge shall be 2.254¢ per kWh for secondary service.

PRIMARY ENERGY CHARGE: 7.551¢ per kWh as metered.

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 November 1, 2011

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-53.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

MONTHLY RATE:

Secondary Energy

Full Service Customers:

Power Supply Charge:

4.840¢ per kWh for all kWh

Delivery System Charge:

2.616¢ 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:

Delivery System Charge:

3.370¢ 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.

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

For dusk to midnight service, the monthly Power Supply Charge per kWh shall be **9.640¢** per kWh and the Delivery System Charge shall be **2.616¢** per kWh for secondary service.

PRIMARY ENERGY CHARGE: **7.000¢** per kWh as metered.

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 February 9, 2010

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-53.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE
(HIGH INTENSITY DISCHARGE LAMP SERVICE)

MONTHLY RATE:

Secondary Energy

Full Service Customers:

Power Supply Charge:

4.495¢ per kWh for all kWh

Delivery System Charge:

2.022¢ 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:

Delivery System Charge:

2.420¢ 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.

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

For dusk to midnight service, the monthly Power Supply Charge per kWh shall be **6.600¢** per kWh and the Delivery System Charge shall be **2.022¢** per kWh for secondary service.

PRIMARY ENERGY CHARGE: **6.800¢** per kWh as metered.

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 January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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In Case No. U-15244

(Continued from [Sheet No. D-53.00](#))

RATE SCHEDULE NO. E1 (CONTD)

MUNICIPAL STREET LIGHTING RATE

Retail Access Service Customers:

Delivery System Charge:

3.175¢ 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.

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

For dusk to midnight service, the monthly Power Supply Charge per kWh shall be 3.387¢ per kWh and the Delivery System Charge shall be 2.338¢ per kWh for secondary service.

PRIMARY ENERGY CHARGE: 3.552¢ per kWh as metered.

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 9.8.

LATE PAYMENT CHARGE: See Section C4.9.

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.

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: ~~4.117~~¢ per month per watt 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.

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: 3.765¢ per month per watt 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.

Issued April 28, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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Issued under authority of the
Michigan Public Service Commission
dated April 27, 2010
In Case No. U-16209

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: 3.765¢ per month per watt 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.

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

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.

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: 3.326¢ per month per watt 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.

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

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.

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: 3.36¢ per month per watt 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 C4.9.

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.

RATE SCHEDULE NO. E5

SECONDARY PUMPING RATE

THIS TARIFF WILL TERMINATE ON A SERVICE RENDERED BASIS, EFFECTIVE 90 DAYS AFTER FINAL RATES ARE APPROVED IN MPSC CASE NUMBER U-16472.

AVAILABILITY OF SERVICE: Available to governmental agencies desiring service at secondary voltage for pumping and to governmental agencies with service at primary voltage having the storm pumping horsepower that is at least 60% of the total connected load. This rate is not available to installations, other than storm pumping, having a demand of over 1,000 kilowatts and not taking service on this rate prior to August 19, 1972.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase and 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 three-wire service may be taken.

RATE PER MONTH:

Full Service Customers:

Power Supply Charge:

Energy Charge: 7.874¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 3.496¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 3.399¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

CONTRACT TERM: Open order, terminable on three days' written notice by either party.

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

Issued November 1, 2011

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated October 20, 2011
In Case No. U-16472

RATE SCHEDULE NO. E5

SECONDARY PUMPING RATE

AVAILABILITY OF SERVICE: Available to governmental agencies desiring service at secondary voltage for pumping and to governmental agencies with service at primary voltage having the storm pumping horsepower that is at least 60% of the total connected load. This rate is not available to installations, other than storm pumping, having a demand of over 1,000 kilowatts and not taking service on this rate prior to August 19, 1972.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase and 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 three-wire service may be taken.

RATE PER MONTH:

Full Service Customers:

Power Supply Charge:

Energy Charge: 7.874¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 3.496¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 3.399¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

CONTRACT TERM: Open order, terminable on three days' written notice by either party.

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

Issued February 9, 2010

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

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Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

RATE SCHEDULE NO. E5**SECONDARY PUMPING RATE**

AVAILABILITY OF SERVICE: Available to governmental agencies desiring service at secondary voltage for pumping and to governmental agencies with service at primary voltage having the storm pumping horsepower that is at least 60% of the total connected load. This rate is not available to installations, other than storm pumping, having a demand of over 1,000 kilowatts and not taking service on this rate prior to August 19, 1972.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase and 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 three-wire service may be taken.

RATE PER MONTH:

Full Service Customers:

Power Supply Charge:

Energy Charge: 8.054¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 2.900¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 3.447¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

CONTRACT TERM: Open order, terminable on three days' written notice by either party.

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

Issued October 20, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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and after October 20, 2009

Issued under authority of the
Michigan Public Service Commission
dated August 25, 2009
In Case No. U-15806

RATE SCHEDULE NO. E5**SECONDARY PUMPING RATE**

AVAILABILITY OF SERVICE: Available to governmental agencies desiring service at secondary voltage for pumping and to governmental agencies with service at primary voltage having the storm pumping horsepower that is at least 60% of the total connected load. This rate is not available to installations, other than storm pumping, having a demand of over 1,000 kilowatts and not taking service on this rate prior to August 19, 1972.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase and 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 three-wire service may be taken.

RATE PER MONTH:

Full Service Customers:

Power Supply Charge:

Energy Charge: 8.054¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 2.900¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 3.447¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.8.

CONTRACT TERM: Open order, terminable on three days' written notice by either party.

MINIMUM CHARGE: The Service Charge.

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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and after January 14, 2009

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Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

RATE SCHEDULE NO. E5

SECONDARY PUMPING RATE

AVAILABILITY OF SERVICE: Available to governmental agencies desiring service at secondary voltage for pumping and to governmental agencies with service at primary voltage having the storm pumping horsepower that is at least 60% of the total connected load. This rate is not available to installations, other than storm pumping, having a demand of over 1,000 kilowatts and not taking service on this rate prior to August 19, 1972.

HOURS OF SERVICE: 24 hours.

CURRENT, PHASE AND VOLTAGE: Alternating current, single-phase and 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 three-wire service may be taken.

RATE PER MONTH:

Full Service Customers:

Power Supply Charge:

Energy Charge: 4.785¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 3.341¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$10.85 per month

Distribution Charge: 2.914¢ per kWh for all kWh

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

LATE PAYMENT CHARGE: See Section C4.9.

CONTRACT TERM: Open order, terminable on three days' written notice by either party.

MINIMUM CHARGE: The Service Charge.

STANDARD CONTRACT RIDER NO. 1.1

ALTERNATIVE ELECTRIC METAL MELTING

APPLICABLE TO: General Service Rate
Large General Service Rate
Primary Supply Rate
Alternative Primary Supply Rate
Interruptible Supply Rate

Schedule Designation D3
Schedule Designation D4
Schedule Designation D6
Schedule Designation D6.1
Schedule Designation D8

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 \$10 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:

Energy Charges:

For service at secondary voltage level (less than 4.8 kV)
8.909¢ per kWh for the first 100 hours use of maximum demand
4.866¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
8.215¢ per kWh for the first 100 hours use of maximum demand
4.528¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
8.163¢ per kWh for the first 100 hours use of maximum demand
4.412¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
7.865¢ per kWh for the first 100 hours use of maximum demand
4.219¢ per kWh for the excess

(Continued on [Sheet No. D-58.00](#))

STANDARD CONTRACT RIDER NO. 1.1**ALTERNATIVE ELECTRIC METAL MELTING**

APPLICABLE TO:	General Service Rate	Schedule Designation D3
	Large General Service Rate	Schedule Designation D4
	Primary Supply Rate	Schedule Designation D6
	Alternative Primary Supply Rate	Schedule Designation D6.1
	Interruptible Supply Rate	Schedule Designation D8

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 \$10 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:****Energy Charges:**

For service at secondary voltage level (less than 4.8 kV)
9.399¢ per kWh for the first 100 hours use of maximum demand
5.375¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
8.578¢ per kWh for the first 100 hours use of maximum demand
4.908¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
8.515¢ per kWh for the first 100 hours use of maximum demand
4.780¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
8.264¢ per kWh for the first 100 hours use of maximum demand
4.632¢ per kWh for the excess

(Continued on [Sheet No. D-58.00](#))

Standard Contract Rider No. 1.1

Alternative Electric Metal Melting

APPLICABLE TO:	General Service Rate	Schedule Designation D3
	Large General Service Rate	Schedule Designation D4
	Primary Supply Rate	Schedule Designation D6
	Alternative Primary Supply Rate	Schedule Designation D6.1
	Interruptible Supply Rate	Schedule Designation D8

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 **\$10** 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:

Energy Charges:

For service at secondary voltage level (less than 4.8 kV)
6.566¢ per kWh for the first 100 hours use of maximum demand
4.458¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
5.975¢ per kWh for the first 100 hours use of maximum demand
4.011¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
5.919¢ per kWh for the first 100 hours use of maximum demand
3.935¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
5.808¢ per kWh for the first 100 hours use of maximum demand
3.886¢ per kWh for the excess

(Continued on [Sheet No. D-58.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

Standard Contract Rider No. 1.1

Alternative Electric Metal Melting

APPLICABLE TO:	General Service Rate	Schedule Designation D3
	Large General Service Rate	Schedule Designation D4
	Primary Supply Rate	Schedule Designation D6
	Alternative Primary Supply Rate	Schedule Designation D6.1
	Interruptible Supply Rate	Schedule Designation D8

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:

Energy Charges:

For service at secondary voltage level (less than 4.8 kV)
6.943¢ for the first 100 hours use of maximum demand
4.002¢ for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
6.128¢ for the first 100 hours use of maximum demand
3.423¢ for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
6.057¢ for the first 100 hours use of maximum demand
3.314¢/kWh for the excess

For service at transmission voltage level (120 kV and above)
5.928¢/kWh for the first 100 hours use of maximum demand
3.261¢/kWh for the excess

(Continued on [Sheet No. D-58.00](#))

(Continued from [Sheet No. D-57.00](#))

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)

1.891¢ per kWh for the first 100 hours use of maximum demand

1.891¢ per kWh for the excess

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

1.479¢ per kWh for the first 100 hours use of maximum demand

1.479¢ per kWh for the excess

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

1.442¢ per kWh for the first 100 hours use of maximum demand

1.422¢ per kWh for the excess

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

1.585¢ per kWh for the first 100 hours use of maximum demand

1.585¢ 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

(Continued on [Sheet No. D-59.00](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-57.00](#))

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)

1.284¢ per kWh for the first 100 hours use of maximum demand

1.284¢ per kWh for the excess

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

1.004¢ per kWh for the first 100 hours use of maximum demand

1.004¢ per kWh for the excess

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

0.979¢ per kWh for the first 100 hours use of maximum demand

0.979¢ per kWh for the excess

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

1.076¢ per kWh for the first 100 hours use of maximum demand

1.076¢ 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

(Continued on [Sheet No. D-59.00](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-57.00](#))

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)
3.425¢ per kWh for the first 100 hours use of maximum demand
1.755¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
2.983¢ per kWh for the first 100 hours use of maximum demand
1.501¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
2.956¢ per kWh for the first 100 hours use of maximum demand
1.433¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
2.921¢ per kWh for the first 100 hours use of maximum demand
1.434¢ 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

(Continued on [Sheet No. D-59.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-57.00](#))

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)
2.154¢ for the first 100 hours use of maximum demand
1.104¢ for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.876¢ for the first 100 hours use of maximum demand
0.944¢ for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
1.859¢ for the first 100 hours use of maximum demand
0.901¢/kWh for the excess

For service at transmission voltage level (120 kV and above)
1.837¢/kWh for the first 100 hours use of maximum demand
0.902¢/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

(Continued on [Sheet No. D-59.00](#))

(Continued from [Sheet No. D-58.00](#))

STANDARD CONTRACT RIDER NO. 1.1 (CONTD)

ALTERNATIVE ELECTRIC METAL MELTING

Retail Access Service Customers:

Delivery Charges:

Distribution Charges:

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

1.269¢ per kWh for the first 100 hours use of maximum demand

1.269¢ per kWh for the excess

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

0.992¢ per kWh for the first 100 hours use of maximum demand

0.992¢ per kWh for the excess

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

0.968¢ per kWh for the first 100 hours use of maximum demand

0.968¢ per kWh for the excess

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

1.064¢ per kWh for the first 100 hours use of maximum demand

1.064¢ 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 from [Sheet No. D-60.00](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-58.00](#))

STANDARD CONTRACT RIDER NO. 1.1 (CONTD)

ALTERNATIVE ELECTRIC METAL MELTING

Retail Access Service Customers:

Delivery Charges:

Distribution Charges:

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

3.035¢ per kWh for the first 100 hours use of maximum demand

3.035¢ per kWh for the excess

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

1.366¢ per kWh for the first 100 hours use of maximum demand

1.366¢ per kWh for the excess

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

0.516¢ per kWh for the first 100 hours use of maximum demand

0.516¢ per kWh for the excess

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

0.364¢ per kWh for the first 100 hours use of maximum demand

0.364¢ 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 from [Sheet No. D-60.00](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-58.00](#))

Standard Contract Rider No. 1.1 (Contd)

Alternative Electric Metal Melting

Retail Access Service Customers:

Delivery Charges:

Distribution Charges:

For service at secondary voltage level (less than 4.8 kV)
1.758¢ per kWh for the first 100 hours use of maximum demand
0.901¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.531¢ per kWh for the first 100 hours use of maximum demand
0.771¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
1.517¢ per kWh for the first 100 hours use of maximum demand
0.735¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
1.499¢ per kWh for the first 100 hours use of maximum demand
0.736¢ 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 from [Sheet No. D-60.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-58.00](#))

Standard Contract Rider No. 1.1 (Contd)

Alternative Electric Metal Melting

Retail Access Service Customers:

Delivery Charges:

Distribution Charges:

For service at secondary voltage level (less than 4.8 kV)
2.224¢ for the first 100 hours use of maximum demand
1.173¢ for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.923¢ for the first 100 hours use of maximum demand
0.991¢ for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
1.907¢ for the first 100 hours use of maximum demand
0.950¢/kWh for the excess

For service at transmission voltage level (120 kV and above)
1.885¢/kWh for the first 100 hours use of maximum demand
0.950¢/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 from [Sheet No. D-60.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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

(Continued from [Sheet No. D-59.00](#))

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 CHARGE: 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.

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 January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-59.00](#))

Standard Contract Rider No. 1.1 (Contd)

Alternative Electric Metal Melting

LATE PAYMENT CHARGE: See Section C4.9.

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 CHARGE: 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.

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: This Standard Contract Rider will terminate on December 31, 2008.

(Continued from [Sheet No. D-60.00](#))

STANDARD CONTRACT RIDER NO. 1.2

ELECTRIC PROCESS HEAT

APPLICABLE TO:	General Service Rate	Schedule Designation D3
	Large General Service Rate	Schedule Designation D4
	Primary Supply Rate	Schedule Designation D6
	Alternative Primary Supply Rate	Schedule Designation D6.1
	Interruptible Supply Rate	Schedule Designation D8

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 \$10 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:

Energy Charges:

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

8.909¢ per kWh for the first 100 hours use of maximum demand

4.866¢ per kWh for the excess

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

8.215¢ per kWh for the first 100 hours use of maximum demand

4.528¢ per kWh for the excess

(Continued on [Sheet No. D-62.00](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

APPLICABLE TO:	General Service Rate	Schedule Designation D3
	Large General Service Rate	Schedule Designation D4
	Primary Supply Rate	Schedule Designation D6
	Alternative Primary Supply Rate	Schedule Designation D6.1
	Interruptible Supply Rate	Schedule Designation D8

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 \$10 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:

Energy Charges:

For service at secondary voltage level (less than 4.8 kV)
9.399¢ per kWh for the first 100 hours use of maximum demand
5.375¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
8.578¢ per kWh for the first 100 hours use of maximum demand
4.908¢ per kWh for the excess

(Continued on [Sheet No. D-62.00](#))

Standard Contract Rider No. 1.2

Electric Process Heat

APPLICABLE TO:	General Service Rate	Schedule Designation D3
	Large General Service Rate	Schedule Designation D4
	Primary Supply Rate	Schedule Designation D6
	Alternative Primary Supply Rate	Schedule Designation D6.1
	Interruptible Supply Rate	Schedule Designation D8

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 **\$10** 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:

Energy Charges:

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

6.566¢ per kWh for the first 100 hours use of maximum demand

4.458¢ per kWh for the excess

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

5.975¢ per kWh for the first 100 hours use of maximum demand

4.011¢ per kWh for the excess

(Continued on [Sheet No. D-62.00](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

Standard Contract Rider No. 1.2

Electric Process Heat

APPLICABLE TO:	General Service Rate	Schedule Designation D3
	Large General Service Rate	Schedule Designation D4
	Primary Supply Rate	Schedule Designation D6
	Alternative Primary Supply Rate	Schedule Designation D6.1
	Interruptible Supply Rate	Schedule Designation D8

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:

Energy Charges:

For service at secondary voltage level (less than 4.8 kV)
6.943¢ for the first 100 hours use of maximum demand
4.002¢ for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
6.128¢ for the first 100 hours use of maximum demand
3.423¢ for the excess

(Continued on [Sheet No. D-62.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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

(Continued from [Sheet No. D-61.00](#))

STANDARD CONTRACT RIDER NO. 1.2 (CONTD)

ELECTRIC PROCESS HEAT

For service at subtransmission voltage level (24 kV to 41.6 kV)
8.163¢ per kWh for the first 100 hours use of maximum demand
4.412¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
7.865¢ per kWh for the first 100 hours use of maximum demand
4.219¢ per kWh for the excess

Delivery Charges:

Distribution Charges:

For service at secondary voltage level (less than 4.8 kV)
1.891¢ per kWh for the first 100 hours use of maximum demand
1.891¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.479¢ per kWh for the first 100 hours use of maximum demand
1.479¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
1.442¢ per kWh for the first 100 hours use of maximum demand
1.442¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
1.585¢ per kWh for the first 100 hours use of maximum demand
1.585¢ 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.

(Continued on [Sheet No. D-63.00](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-61.00](#))

STANDARD CONTRACT RIDER NO. 1.2 (CONTD)

ELECTRIC PROCESS HEAT

For service at subtransmission voltage level (24 kV to 41.6 kV)
8.515¢ per kWh for the first 100 hours use of maximum demand
4.780¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
8.264¢ per kWh for the first 100 hours use of maximum demand
4.632¢ per kWh for the excess

Delivery Charges:

Distribution Charges:

For service at secondary voltage level (less than 4.8 kV)
1.284¢ per kWh for the first 100 hours use of maximum demand
1.284¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.004¢ per kWh for the first 100 hours use of maximum demand
1.004¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
0.979¢ per kWh for the first 100 hours use of maximum demand
0.979¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
1.076¢ per kWh for the first 100 hours use of maximum demand
1.076¢ 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.

(Continued on [Sheet No. D-63.00](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-61.00](#))

Standard Contract Rider No. 1.2 (Contd)

Electric Process Heat

For service at subtransmission voltage level (24 kV to 41.6 kV)
5.919¢ per kWh for the first 100 hours use of maximum demand
3.935¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
5.808¢ per kWh for the first 100 hours use of maximum demand
3.886¢ per kWh for the excess

Delivery Charges:

Distribution Charges:

For service at secondary voltage level (less than 4.8 kV)
3.425¢ per kWh for the first 100 hours use of maximum demand
1.755¢ per kWh for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
2.983¢ per kWh for the first 100 hours use of maximum demand
1.501¢ per kWh for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
2.956¢ per kWh for the first 100 hours use of maximum demand
1.433¢ per kWh for the excess

For service at transmission voltage level (120 kV and above)
2.921¢ per kWh for the first 100 hours use of maximum demand
1.434¢ 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.

(Continued on [Sheet No. D-63.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-61.00](#))

Standard Contract Rider No. 1.2 (Contd)

Electric Process Heat

For service at subtransmission voltage level (24 kV to 41.6 kV)
6.057¢ for the first 100 hours use of maximum demand
3.314¢/kWh for the excess

For service at transmission voltage level (120 kV and above)
5.928¢/kWh for the first 100 hours use of maximum demand
3.261¢/kWh for the excess

Delivery Charges:

Distribution Charges:

For service at secondary voltage level (less than 4.8 kV)
2.154¢ for the first 100 hours use of maximum demand
1.104¢ for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.876¢ for the first 100 hours use of maximum demand
0.944¢ for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
1.859¢ for the first 100 hours use of maximum demand
0.901¢/kWh for the excess

For service at transmission voltage level (120 kV and above)
1.837¢/kWh for the first 100 hours use of maximum demand
0.902¢/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.

(Continued on [Sheet No. D-63.00](#))

(Continued from [Sheet No. D-62.00](#))

STANDARD CONTRACT RIDER NO. 1.2 (CONTD)

ELECTRIC PROCESS HEAT

Retail Access Service Customers:

Delivery Charges:

Distribution Charges:

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

1.269¢ per kWh for the first 100 hours use of maximum demand

1.269¢ per kWh for the excess

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

0.992¢ per kWh for the first 100 hours use of maximum demand

0.992¢ per kWh for the excess

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

0.968¢ per kWh for the first 100 hours use of maximum demand

0.968¢ per kWh for the excess

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

1.064¢ per kWh for the first 100 hours use of maximum demand

1.064¢ 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](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after October 29, 2011

Issued under authority of the
Michigan Public Service Commission
dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-62.00](#))

STANDARD CONTRACT RIDER NO. 1.2 (CONTD)

ELECTRIC PROCESS HEAT

Retail Access Service Customers:

Delivery Charges:

Distribution Charges:

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

3.035¢ per kWh for the first 100 hours use of maximum demand

3.035¢ per kWh for the excess

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

1.366¢ per kWh for the first 100 hours use of maximum demand

1.366¢ per kWh for the excess

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

0.516¢ per kWh for the first 100 hours use of maximum demand

0.516¢ per kWh for the excess

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

0.364¢ per kWh for the first 100 hours use of maximum demand

0.364¢ 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](#))

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-62.00](#))

Standard Contract Rider No. 1.2 (Contd)

Electric Process Heat

Retail Access Service Customers:

Delivery Charges:

Distribution Charges:

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

1.758¢ per kWh for the first 100 hours use of maximum demand

0.901¢ per kWh for the excess

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

1.531¢ per kWh for the first 100 hours use of maximum demand

0.771¢ per kWh for the excess

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

1.517¢ per kWh for the first 100 hours use of maximum demand

0.735¢ per kWh for the excess

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

1.499¢ per kWh for the first 100 hours use of maximum demand

0.736¢ 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](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-62.00](#))

Standard Contract Rider No. 1.2 (Contd)

Electric Process Heat

Retail Access Service Customers:

Delivery Charges:

Distribution Charges:

For service at secondary voltage level (less than 4.8 kV)
2.224¢ for the first 100 hours use of maximum demand
1.173¢ for the excess

For service at primary voltage level (4.8 kV to 13.2 kV)
1.923¢ for the first 100 hours use of maximum demand
0.991¢ for the excess

For service at subtransmission voltage level (24 kV to 41.6 kV)
1.907¢ for the first 100 hours use of maximum demand
0.950¢/kWh for the excess

For service at transmission voltage level (120 kV and above)
1.885¢/kWh for the first 100 hours use of maximum demand
0.950¢/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](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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

(Continued from [Sheet No. D-63.00](#))

Standard Contract Rider No. 1.2 (Contd)

Electric Process Heat

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 CHARGE: 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.

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 January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-63.00](#))

Standard Contract Rider No. 1.2 (Contd)

Electric Process Heat

LATE PAYMENT CHARGE: See Section C4.9.

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 CHARGE: 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.

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: This Standard Contract Rider will terminate on December 31, 2008.

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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. 3

Parallel Operation and Standby Service

APPLICABLE TO:	General Service Rate	Schedule Designation D3
	Interruptible General Service Rate	Schedule Designation D3.3
	Large General Service Rate	Schedule Designation D4
	Primary Supply Rate	Schedule Designation D6
	Alternative Primary Supply Rate	Schedule Designation D6.1
	<i>Special Manufacturing</i> Supply Rate	Schedule Designation D7
	Interruptible Supply Rate	Schedule Designation D8
	Secondary Pumping	Schedule Designation E5

PARALLEL OPERATION: The customer must meet the interconnection requirements of Detroit Edison specified in "The Michigan Electric Utility Generator Interconnection Requirements" as approved by the Michigan Public Service 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 the Company and its officers, agents and employees 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 judgments, including reasonable attorneys' fees, 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, 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.

(Continued on [Sheet No. D-68.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

Standard Contract Rider No. 3

Parallel Operation and Standby Service

APPLICABLE TO:	General Service Rate	Schedule Designation D3
	Interruptible General Service Rate	Schedule Designation D3.3
	Large General Service Rate	Schedule Designation D4
	Primary Supply Rate	Schedule Designation D6
	Alternative Primary Supply Rate	Schedule Designation D6.1
	Transitional Primary Supply Rate	Schedule Designation D7
	Interruptible Supply Rate	Schedule Designation D8
	Secondary Pumping	Schedule Designation E5

STANDBY SERVICE: 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 and must take supplemental service on one of the applicable filed rates listed above. Customers who desire to run electrical generating equipment in parallel with the Company's system must have written permission by the company for parallel operation.

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.

All customers taking service under this rider must install the necessary equipment to permit metering. The Company will supply the metering equipment.

PARALLEL OPERATION: The customer must meet the interconnection requirements of Detroit Edison specified in "The Michigan Electric Utility Generator Interconnection Requirements" as approved by the Michigan Public Service 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.

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 the Company and its officers, agents and employees 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.

(Continued on [Sheet No. D-68.00](#))

(Continued from [Sheet No. D-67.00](#))

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

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 judgments, including reasonable attorneys' fees, 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 \$2,000,000 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 current assets exceed current liabilities by \$7,500,000 or more. 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 \$2,000,000 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, 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.

STANDBY CONTRACT CAPACITY: Standby contract capacity in kW will be established for electric capacity sufficient to meet the customer's standby load according to the following method.

- (a) If the customer's generating unit has a least 5000 hours of metered operation with output greater than zero kW over the latest 12-month period, then the standby contract capacity for the next 12 months will be set at the 1001st highest hourly kW output.

At the customer's option, the standby contract capacity for June through October will be set at the 501st highest hourly kW output during the months of June through October and the standby contract capacity for November through May will be set at the 501st hourly kW output during the months of November through May. A customer may not later choose the 1001-hour determination above, unless with the Company's permission for permanent changes in the customer's facilities.

For multiple generating units, "output" means the simultaneous output of all units.

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(Continue from [Sheet No. D-68.00](#))

STANDARD CONTRACT RIDER NO. 3 (CONTD)

PARALLEL OPERATION AND STANDBY SERVICE

- (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 be 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.

STANDBY POWER: Standby energy is electric energy provided by Detroit Edison 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 Detroit Edison 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 Detroit Edison 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").

RATES:

Power Supply Charges:

Monthly Generation Reservation Fee:

\$1.51 times the standby contract capacity in kW, per month.

Demand Charges:

A daily on-peak standby demand charge will be charged 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 Detroit Edison. 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.

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Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

- (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 be 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.

STANDBY POWER: *Standby energy is electric energy provided by Detroit Edison 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 Detroit Edison 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 Detroit Edison 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").

RATES:

Power Supply Charges:

Monthly Generation Reservation Fee:

\$1.00 times the standby contract capacity in kW, per month.

Demand Charges:

A daily on-peak *standby* demand charge will be charged 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 Detroit Edison. *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.

(Continued on [Sheet No. D-70.00](#))

Issued January 14, 2009

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-68.00](#))

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

- (b) If the customer's generating unit does not have at least 5000 hours of metered operation with output greater than zero kW over the latest 12-month period, then the standby contract capacity will be set at the generator's nameplate rating for one year, after which time paragraph (a) above will apply if the generator's output has been greater than zero for at least 5000 hours. If not, then the standby contract capacity will continue at nameplate rating for the next 12-month period. Where multiple nameplate ratings are specified, the rating at 60 degrees Fahrenheit will be used.
- (c) For customers demonstrating unusual operating conditions, including but not limited to generation greater than the customer's own load, standby contract capacity may be set by mutual agreement of the Company and the customer.
- (d) For generators which do not operate during the months of November through May, standby contract capacity will be set at zero for November through May and will be set at the nameplate rating for June through October.
- (e) The standby contract capacity shall not be decreased over the life of the contract, except by mutual agreement of the Company and the customer for permanent changes in a customer's facilities and except as provided for in paragraph (f) below. Such a reduction in standby contract capacity will not be allowed more than once per year.
- (f) The standby contract capacity will be adjusted on an annual basis according to paragraphs (a) and (b) above.
- (g) For customers with multiple generating units which do not have 5000 hours of metered operation with simultaneous output greater than zero over the latest 12-month period, the standby contract capacity may be set by mutual agreement of the Company and the Customer for one year.
- (h) For the first time only that a customer takes service under this rider, if the customer has not previously operated in parallel with the company's system and if the customer's generating unit does not have at least 5000 hours of metered operation with output greater than zero over the latest 12-month period, then the standby contract capacity will be set at zero kW for 30 days, after which paragraph (b) above will apply.

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Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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and after October 10, 2007

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dated October 9, 2007
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(Continued from [Sheet No. D-69.00](#))

STANDARD CONTRACT RIDER NO. 3 (CONTD)

PARALLEL OPERATION AND STANDBY SERVICE

The daily on-peak backup demand charge is **\$4.02** per kW per day during periods other than maintenance periods as defined below.

The daily on-peak backup demand charge is \$2.20 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, D6, D6.1, D7, and D8 the energy charge will be the D6 on-peak power supply energy charge, **4.408¢** per kWh, plus appropriate power supply credits, including but not limited to off-peak credit, and voltage level credit. For customers served on supplemental rate schedules D3, D3.3, and E5, 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.

Waivers and limits for demand/energy rates:

For customers taking supplemental service at demand/energy rates schedules D4, D6, D6.1 and D8, and customers switching from energy only rates to demand/energy/rates, 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 generation reservation fee will be waived for that month.

If the total of daily demand charges for the month is greater than the Rider 3 Daily Demand Cap the customer will pay the Daily Demand Cap. For customers served on supplemental rates schedule D4, The Daily Demand Cap will be determined as the D6 Power Supply Demand Charge times the maximum standby contract capacity utilized plus the Rider 3 Generation Reservation Charge times the difference between the total standby contract capacity and the maximum standby utilized. For customers served on supplemental rates schedules D6, D6.1, D8, and E4, The Daily Demand Cap will be determined as the D6 Power Supply Demand Charge times the maximum standby contract capacity utilized plus the difference between the product of the D6 Distribution Demand Charge times the standby contract capacity utilized and the standby Distribution Charge times the standby contract capacity utilized plus the voltage specific D6 Delivery Charge energy component applied to all standby energy delivered plus the Rider 3 Generation Reservation charge times the difference between the total standby contract capacity and the maximum standby utilized.

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(Continued from [Sheet No. D-69.00](#))

STANDARD CONTRACT RIDER NO. 3 (CONTD)

PARALLEL OPERATION AND STANDBY SERVICE

The daily on-peak backup demand charge is **\$4.01** per kW per day during periods other than maintenance periods as defined below.

The daily on-peak backup demand charge is **\$2.20** 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, D6, D6.1, D7, and D8 the energy charge will be the D6 on-peak power supply energy charge, **4.400¢** per kWh, plus appropriate power supply credits, including but not limited to off-peak credit, and voltage level credit. For customers served on supplemental rate schedules D3, D3.3, and E5, 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.

Waivers and limits for demand/energy rates:

For customers taking supplemental service at demand/energy rates schedules D4, D6, D6.1 and D8, and customers switching from energy only rates to demand/energy/rates, 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 generation reservation fee will be waived for that month.

If the total of daily demand charges for the month is greater than the Rider 3 Daily Demand Cap the customer will pay the Daily Demand Cap. For customers served on supplemental rates schedule D4, The Daily Demand Cap will be determined as the D6 Power Supply Demand Charge times the maximum standby contract capacity utilized plus the Rider 3 Generation Reservation Charge times the difference between the total standby contract capacity and the maximum standby utilized. For customers served on supplemental rates schedules D6, D6.1, D8, and E4, The Daily Demand Cap will be determined as the D6 Power Supply Demand Charge times the maximum standby contract capacity utilized plus the difference between the product of the D6 Distribution Demand Charge times the standby contract capacity utilized and the standby Distribution Charge times the standby contract capacity utilized plus the voltage specific D6 Delivery Charge energy component applied to all standby energy delivered plus the Rider 3 Generation Reservation charge times the difference between the total standby contract capacity and the maximum standby utilized.

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STANDARD CONTRACT RIDER NO. 3 (CONTD)

PARALLEL OPERATION AND STANDBY SERVICE

The daily on-peak backup demand charge is **\$3.97** per kW per day during periods other than maintenance periods as defined below.

The daily on-peak backup demand charge is **\$2.18** 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, D6, D6.1, D7, and D8 the energy charge will be the D6 on-peak power supply energy charge, **3.973¢** per kWh, plus appropriate power supply credits, including but not limited to off-peak credit, and voltage level credit. For customers served on supplemental rate schedules D3, D3.3, and E5, 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.

Waivers and limits for demand/energy rates:

For customers taking supplemental service at demand/energy rates schedules D4, D6, D6.1 and D8, and customers switching from energy only rates to demand/energy/rates, 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 generation reservation fee will be waived for that month.

If the total of daily demand charges for the month is greater than the Rider 3 Daily Demand Cap the customer will pay the Daily Demand Cap. For customers served on supplemental rates schedule D4, The Daily Demand Cap will be determined as the D6 Power Supply Demand Charge times the maximum standby contract capacity utilized plus the Rider 3 Generation Reservation Charge times the difference between the total standby contract capacity and the maximum standby utilized. For customers served on supplemental rates schedules D6, D6.1, D8, and E4, The Daily Demand Cap will be determined as the D6 Power Supply Demand Charge times the maximum standby contract capacity utilized plus the difference between the product of the D6 Distribution Demand Charge times the standby contract capacity utilized and the standby Distribution Charge times the standby contract capacity utilized plus the voltage specific D6 Delivery Charge energy component applied to all standby energy delivered plus the Rider 3 Generation Reservation charge times the difference between the total standby contract capacity and the maximum standby utilized.

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(Continued from [Sheet No. D-69.00](#))

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

The daily on-peak **backup** demand charge *is* **\$2.39** per kW per day during periods other than maintenance periods as defined below.

The daily on-peak **backup** demand charge is **\$1.31** 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, D6, D6.1, D7, and D8 the energy charge will be the D6 on-peak **power supply** energy charge, **4.014¢** per kWh, plus appropriate **power supply** credits, including but not limited to off-peak credit, and voltage level credit. For customers served on supplemental rate schedules D3, D3.3, and E5, 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.*

Waivers and limits for demand/energy rates:

For customers *taking* supplemental *service at demand/energy* rates schedules D4, D6, D6.1 and D8, *and customers switching from energy only rates to demand/energy/rates*, 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 generation reservation fee will be waived for that month.

If the total of daily demand charges for the month is greater than *the Rider 3 Daily Demand Cap the customer will pay the Daily Demand Cap. For customers served on supplemental rates schedule D4, The Daily Demand Cap will be determined as the D6 Power Supply Demand Charge times the maximum standby contract capacity utilized plus the Rider 3 Generation Reservation Charge times the difference between the total standby contract capacity and the maximum standby utilized. For customers served on supplemental rates schedules D6, D6.1, D8, and E4, The Daily Demand Cap will be determined as the D6 Power Supply Demand Charge times the maximum standby contract capacity utilized plus the difference between the product of the D6 Distribution Demand Charge times the standby contract capacity utilized and the standby Distribution Charge times the standby contract capacity utilized plus the voltage specific D6 Delivery Charge energy component applied to all standby energy delivered plus the Rider 3 Generation Reservation charge times the difference between the total standby contract capacity and the maximum standby utilized.*

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Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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Issued under authority of the
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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-69.00](#))

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

SUPPLEMENTAL POWER: Supplemental power is electric energy and capacity provided by Detroit Edison 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 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 power will be billed under the applicable rate schedule for supplemental service ("supplemental rate schedule").

METERING REQUIREMENTS: The output of customer generation or, if appropriate, the load served by another source of power or the customer's prime mover will be metered by Detroit Edison. For customers served on supplemental rate schedules D3, D3.3, D4, and E5, the entire load served by the Company will be metered with demand-recording equipment.

RATES:

Power Supply Charges:

Monthly Generation Reservation Fee:

\$0.63 times the standby contract capacity in kW, per month.

Demand Charges:

A daily on-peak demand charge for back-up or maintenance demand will be charged based on the determination of supplemental and back-up or maintenance power coincident with the daily highest 30-minute integrated reading during on-peak hours of the demand meter which measures the total load served by Detroit Edison.

The daily on-peak demand charge for back-up power is \$0.73 per kW per day. Back-up demand equals standby contract capacity minus the 30-minute output of the customer's generator, but not less than zero, and not greater than the total load served by the Company, measured during periods other than maintenance periods as defined below. If the customer's total internal load is less than or equal to the output of the generator, then back-up demand will be zero for that day.

The daily on-peak demand charge for maintenance power is \$0.40 per kW per day. Maintenance demand equals standby contract capacity minus the 30-minute output of the customer's generator, but not less than zero, and not greater than the total load served by the Company, during maintenance periods as defined below. If the customer's total internal load is less than or equal to the output of the generator, then maintenance demand will be zero for that day.

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Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

Waivers and limits for energy-only rates:

For customers *taking* supplemental *service on energy-only* rates *for the entire billing cycle*, schedules D3, D3.3, and E5, 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 paragraphs (6)(b) and (6)(c) above will apply.

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.
- (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.

(Continued on [Sheet No. D-72.00](#))

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-70.00](#))

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

Energy Charge:

An energy charge for back-up and maintenance power will be charged based on standby contract capacity less the output of the customer's generator, but not less than zero. For customers served on supplemental rate schedules D4, D6, D6.1, D7 and D8, the energy charge will be the D6 on-peak energy charge, 2.364¢ per kWh, plus appropriate credits and surcharges, including but not limited to off-peak credit, voltage level credit, and substation credit. For customers served on supplemental rate schedules D3, D3.3, and E5, the energy charge will be the applicable energy charge plus surcharges less a credit per kWh equal to the non-generation fixed charge per kW, \$3.80, divided by 500, applied to the first 500 hours use of standby contract capacity per month for back-up or maintenance power. The energy as stated herein, is also subject to the provision of Section C8.1- PSCR clause.

Waivers and limits for demand/energy rates:

For customers served on supplemental rates schedules D4, D6, D6.1 and D8, 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 generation reservation fee will be waived for that month.

If the total of daily demand charges for the month is greater than the D6 on-peak billing demand charge times the standby contract capacity plus the difference between the product of the D6 maximum demand charge times the standby contract capacity and the standby distribution charges, then the customer will pay the D6 on-peak billing demand charge times the standby contract capacity plus the above difference. For customers on supplemental rate schedule D4, the above difference will be set to zero.

Waivers and limits for energy-only rates:

For customers served on supplemental rates schedules D3, D3.3, and E5, 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 paragraphs (6)(b) and (6)(c) above will apply.

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(Continued from [Sheet No. D-71.00](#))

STANDARD CONTRACT RIDER NO. 3 (CONTD)

PARALLEL OPERATION AND STANDBY SERVICE

Power Supply Pricing Option:

This option is available to customers desiring to have power supply standby energy service priced on the basis of the real time MISO locational hourly marginal energy price for the Detroit Edison-appropriate load node. Service under this provision must be taken in 12 month increments. Service taken under this option replaces all standard power supply charges. Standby energy service is limited to unforeseen generator outages, deviations from standby contract capacity and maintenance. In addition to the MISO locational hourly marginal energy price the following charges will also apply:

0.733¢/kWh for MISO network transmission costs and MISO energy market costs plus,

An administrative charge of **0.540¢/kWh** plus,

A voltage level service adder of 1% for transmission, 2% for subtransmission, 7% for primary, and 12% for secondary.

Surcharges and Credits Applicable to Power Supply, excluding PSCR, as approved by the Commission. See Section C8.5.

Delivery Charges:

Service Charge:

\$210.00 per customer per month for customers served at primary voltages and above.

\$ 70.00 per customer per month for customers served at secondary voltages.

Distribution Charge:

Distribution charges will be as follows:

\$2.63 per kW at primary voltage applied to the standby contract capacity

\$0.99 per kW at subtransmission voltage applied to the standby contract capacity

\$0.66 per kW at transmission voltage applied to the standby contract capacity

For service provided in conjunction with a secondary voltage base rate the Delivery Charge will be the greater of **\$8.84** per kW applied to standby contract capacity or **3.536¢/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 \$.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.

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(Continued from [Sheet No. D-71.00](#))

STANDARD CONTRACT RIDER NO. 3 (CONTD)

PARALLEL OPERATION AND STANDBY SERVICE

Power Supply Pricing Option:

This option is available to customers desiring to have power supply standby energy service priced on the basis of the real time MISO locational hourly marginal energy price for the Detroit Edison-appropriate load node. Service under this provision must be taken in 12 month increments. Service taken under this option replaces all standard power supply charges. Standby energy service is limited to unforeseen generator outages, deviations from standby contract capacity and maintenance. In addition to the MISO locational hourly marginal energy price the following charges will also apply:

0.52¢/kWh for MISO network transmission costs and MISO energy market costs plus,

An administrative charge of 0.20¢/kWh plus,

A voltage level service adder of 1% for transmission, 2% for subtransmission, 7% for primary, and 12% for secondary.

Surcharges and Credits Applicable to Power Supply, excluding PSCR, as approved by the Commission. See Section C8.5.

Delivery Charges:

Service Charge:

\$210.00 per customer per month for customers served at primary voltages and above.

\$ 70.00 per customer per month for customers served at secondary voltages.

Distribution Charge:

Distribution charges will be as follows:

\$4.65 per kW at primary voltage applied to the standby contract capacity

\$1.75 per kW at subtransmission voltage applied to the standby contract capacity

\$1.16 per kW at transmission voltage applied to the standby contract capacity

For service provided in conjunction with a secondary voltage base rate the Delivery Charge will be the greater of **\$9.53** per kW applied to standby contract capacity or **3.813¢/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 \$.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.

(Continued on [Sheet No. D-73.00](#))

(Continued from [Sheet No. D-71.00](#))

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

Power Supply Pricing Option:

This option is available to customers desiring to have power supply standby energy service priced on the basis of the real time MISO locational hourly marginal energy price for the Detroit Edison-appropriate load node. *Service under this provision must be taken in 12 month increments. Service taken under this option replaces all standard power supply charges.* Standby energy service is limited to unforeseen generator outages, deviations from standby contract capacity and maintenance. In addition to the MISO locational hourly marginal energy price the following charges will also apply:

0.52¢/kWh for MISO network transmission costs and MISO energy market costs plus,

An administrative charge of 0.20¢/kWh plus,

A voltage level service adder of 1% for transmission, 2% for subtransmission, 7% for primary, and 12% for secondary.

Surcharges and Credits Applicable to Power Supply, excluding PSCR, as approved by the Commission. See Section C8.5.

Delivery Charges:

Service Charge:

\$210.00 per customer per month for customers served at primary voltages and above.

\$ 70.00 per customer per month for customers served at secondary voltages.

Distribution Charge:

Distribution charges will be as follows:

\$2.34 per kW at transmission voltage applied to the standby contract capacity

\$1.36 per kW at subtransmission voltage applied to the standby contract capacity

\$1.16 per kW at primary voltage applied to the standby contract capacity

For service provided in conjunction with a secondary voltage base rate the Delivery Charge will be the greater of \$7.92 per kW applied to standby contract capacity or 3.168¢/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 \$.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.

(Continued on [Sheet No. D-73.00](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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Issued under authority of the
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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-71.00](#))

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

Power Supply Pricing Option:

This option is available to customers desiring to have power supply standby energy service priced on the basis of the real time MISO locational hourly marginal energy price for the Detroit Edison-appropriate load node. Standby energy service is limited to unforeseen generator outages, deviations from standby contract capacity and maintenance. In addition to the MISO locational hourly marginal energy price the following charges will also apply:

0.55¢/kWh for MISO network transmission costs and MISO energy market costs plus,

An administrative charge of 0.20¢/kWh plus,

A voltage level service adder of 1% for transmission, 2% for subtransmission, 7% for primary, and 12% for secondary.

This option will continue until the Commission issues its final order in MPSC Case No. U-15244.

Delivery Charges:

Service Charge:

\$210.00 per customer per month for customers served at primary voltages and above.

\$ 70.00 per customer per month for customers served at secondary voltages.

Distribution Charge:

Distribution charges will be as follows. For standby contract capacity set according to paragraph (d) of the "Standby Contract Capacity" section above, the charge for all months will be based on the standby contract capacity specified for June through October.

\$2.37 per kW at transmission voltage applied to the standby contract capacity

\$2.77 per kW at subtransmission voltage applied to the standby contract capacity

\$4.77 per kW at primary voltage applied to the standby contract capacity

4.409¢ per kWh of secondary 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 \$.30 per kW shall be applied to the non-generation charge per kW of standby capacity.

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(Continued from [Sheet No. D-72.00](#))

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

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, the day after Thanksgiving and on-peak days occurring during the period from December 24 through January 1 plus contiguous recognized legal holidays may be scheduled as maintenance days subject to conditions below excluding (d). A maintenance day is a calendar 24-hour day.

Conditions:

- (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 offer alternative maintenance days.
- (e) After the Company and the customer have agreed upon maintenance days, 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.

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, D6.1, D7 and D8.
- (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, D6.1, D7, and D8.

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(Continued from [Sheet No. D-73.00](#))

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and 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 Michigan Public Service Commission after January 1, 1989, under terms to be incorporated in this section.

LATE PAYMENT CHARGE: See Section C4.9.

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-75.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated October 9, 2007
In Case No. U-15152

Standard Contract Rider No. 3 (Cont'd)

Parallel Operation and Standby Service

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 Michigan Public Service 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 Michigan Public Service Commission.

STANDARD CONTRACT RIDER NO. 7

GREENHOUSE LIGHTING SERVICE

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:

Power Supply Charge:

Energy Charge: **4.321¢** per kWh for all kWh

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **1.966¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **1.754¢** per kWh for all kWh

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

(Continued on [Sheet No. D-85.00](#))

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D. G. Brudzynski
Vice President
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Detroit, Michigan

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STANDARD CONTRACT RIDER NO. 7

GREENHOUSE LIGHTING SERVICE

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:

Power Supply Charge:

Energy Charge: **4.000¢** per kWh for all kWh

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **2.140¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **2.070¢** per kWh for all kWh

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

(Continued on [Sheet No. D-85.00](#))

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D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 25, 2010
In Case No. U-15768

Standard Contract Rider No. 7

Greenhouse Lighting Service

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:

Power Supply Charge:

Energy Charge: **4.100¢** per kWh for all kWh

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **1.734¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$1.95 per month

Distribution Charge: **1.500¢** per kWh for all kWh

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

(Continued on [Sheet No. D-85.00](#))

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Vice President
Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

Standard Contract Rider No. 7

Greenhouse Lighting Service

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:

Power Supply Charge:

Energy Charge: 2.150¢ per kWh for all kWh

Delivery Charges:

Service Charge: \$1.95 per month
Distribution Charge: 2.213¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$1.95 per month
Distribution Charge: 2.414¢ per kWh for all kWh

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

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(Continued from [Sheet No. D-84.00](#))

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.

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.

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D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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(Continued from [Sheet No. D-84.00](#))

Standard Contract Rider No. 7 (Contd)

Greenhouse Lighting Service

BILLING: Billing will be on a monthly basis.

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

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.

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 Michigan Public Service 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:

Energy Charge: **8.581¢** 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 **5.505¢** per kWh.

Delivery Charges:

Service Charge: \$8.78 per month
Distribution Charge: **3.289¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month
Distribution Charge: **2.938¢** per kWh for all kWh

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

(Continued on [Sheet No. D-87.00](#))

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Vice President
Regulatory Affairs

Detroit, Michigan

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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 Michigan Public Service 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:

Energy Charge: 7.950¢ 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 5.100¢ per kWh.

Delivery Charges:

Service Charge: \$8.78 per month
Distribution Charge: 3.562¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month
Distribution Charge: 3.458¢ per kWh for all kWh

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

(Continued on [Sheet No. D-87.00](#))

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Vice President
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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 Michigan Public Service 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:

Energy Charge: **8.174¢** 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 **5.189¢** per kWh.

Delivery Charges:

Service Charge: \$8.78 per month
Distribution Charge: **2.964¢** per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month
Distribution Charge: **2.521¢** per kWh for all kWh

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

(Continued on [Sheet No. D-87.00](#))

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Vice President
Regulatory Affairs

Detroit, Michigan

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In Case No. U-15244

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 Michigan Public Service 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:

Energy Charge: 5.575¢ 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 3.369¢ per kWh.

Delivery Charges:

Service Charge: \$8.78 per month
Distribution Charge: 3.750¢ per kWh for all kWh

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

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$8.78 per month
Distribution Charge: 2.914¢ per kWh for all kWh

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

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(Continued on [Sheet No. D-87.00](#))

(Continued from [Sheet No. D-86.00](#))

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 charge of **8.581¢** per kilowatthour during the billing months of June through October and **5.505¢** per kilowatthour during the billing months of November through May. A Distribution charge of **3.289¢** 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:

Usage in excess of the initial block of kilowatthours per month shall be billed a distribution charge of **2.938¢** 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.

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D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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(Continued from [Sheet No. D-86.00](#))

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 charge of **7.950¢** per kilowatthour during the billing months of June through October and **5.100¢** per kilowatthour during the billing months of November through May. A Distribution charge of **3.562¢** 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:

Usage in excess of the initial block of kilowatthours per month shall be billed a distribution charge of **3.458¢** 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.

Issued February 9, 2010
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 26, 2010

Issued under authority of the
Michigan Public Service Commission
dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-86.00](#))

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 charge of 8.174¢ per kilowatthour during the billing months of June through October and 5.189¢ per kilowatthour during the billing months of November through May. A Distribution charge of 2.964¢ 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:

Usage in excess of the initial block of kilowatthours per month shall be billed a distribution charge of 2.521¢ 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.

Issued October 20, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after October 20, 2009

Issued under authority of the
Michigan Public Service Commission
dated August 25, 2009
In Case No. U-15806

(Continued from [Sheet No. D-86.00](#))

Standard Contract Rider No. 8 (Contd)

Commercial Space Heating

LATE PAYMENT CHARGE: See Section C4.8.

MINIMUM CHARGE: The Service Charge.

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 charge of **8.174¢** per kilowatthour during the billing months of June through October and **5.189¢** per kilowatthour during the billing months of November through May. A Distribution charge of **2.964¢** 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:

Usage in excess of the initial block of kilowatthours per month shall be billed a distribution charge of **2.521¢** 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.

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-86.00](#))

Standard Contract Rider No. 8 (Contd)

Commercial Space Heating

LATE PAYMENT CHARGE: See Section C4.9.

MINIMUM CHARGE: The Service Charge.

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 C4.10.

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 charge of 5.575¢ per kilowatthour during the billing months of June through October and 3.369¢ per kilowatthour during the billing months of November through May. A Distribution charge of 3.750¢ 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:

Usage in excess of the initial block of kilowatthours per month shall be billed a distribution charge of 2.914¢ 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.

Standard Contract Rider No. 9

Economic Development

APPLICABLE TO: **Primary Supply Rate**
 Alternative Primary Supply Rate

Schedule Designation D6
Schedule Designation D6.1

AVAILABILITY:

This rider is available to Full Service and Retail Access Service customers that add Qualifying New Load on or after January 1, 2005. Qualifying New Load is defined as load in kW that meets the following requirements:

New Locations

For new locations Qualifying New Load must be a minimum of 1,000 kW on the base rate.

Existing Locations

For existing locations Qualifying New Load must be the direct result of new equipment additions and meet the following minimum size requirements:

- 1) Qualifying New Load must be at least 20% of the highest 30-minute integrated site level demand over the previous 12 months but not less than 500 kW; and
- 2) The combined existing base rate load and Qualified New Load must be at least 1,000 kW.

Customers desiring service under this rider must provide the Company with an affidavit attesting to the addition of new equipment and the size of the Qualifying New Load.

METERING REQUIREMENTS: The Qualifying New Load shall be separately metered. The Company and Customer may – as an alternative to separate metering – mutually agree to negotiate an amount of demand or energy usage for billing under this Rider for situations where it might be cost-prohibitive to separately meter the Qualifying New Load.

RATE PER MONTH:

Full Service Customers:

Qualifying New Load will be priced per the Full Service charges for the applicable base rate and will receive an Economic Development Credit.

Economic Development Credit: An Economic Development Credit will be applied to Qualified New Load and will be equal to the difference between the Full Service Delivery Charge and the Retail Access Delivery Charge.

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

(Continued on [Sheet No. D-89.00](#))

(Continued from [Sheet No. D-88.00](#))

Standard Contract Rider No. 9 (Contd)

Economic Development

Retail Access Service Customers:

Delivery Charges: Qualifying New Load will be priced per the Retail Access Service delivery charges for the applicable base rate.

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

CONTRACT TERM: *Service is available under this rider until rates are no longer subject to realignment (October 5, 2013).*

Issued January 14, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-88.00](#))

Standard Contract Rider No. 9 (Contd)

Economic Development

Retail Access Service Customers:

Delivery Charges: Qualifying New Load will be priced per the Retail Access Service delivery charges for the applicable base rate.

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

CONTRACT TERM: Customers electing service under this rider must contract for and begin taking such service on or before the Commission issues its final order in MPSC Case No. U-15244. The rate will be available for a three-year period beginning from the effective date of the contract.

Standard Contract Rider No. 10

Interruptible Supply Rider

AVAILABILITY OF SERVICE: Available to Primary Supply Rate (D6) and Alternative Primary Supply Rate (D6.1) and Transitional Primary Supply Rate (D7) 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](#))

(Continued from [Sheet No. D-90.00](#))

STANDARD CONTRACT RIDER NO. 10 (CONTD)

INTERRUPTIBLE SUPPLY RIDER

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charges:

Generation capacity charge of **4.911¢** per kWh for all kWh plus,

An hourly power supply cost charge applied to all kWh plus,

A monthly capacity charge in \$ per customer plus,

A voltage level service adder. The total hourly power supply cost charges for the billing month will be multiplied by the following amounts:

- 8% for service at primary voltage
- 3% for service at subtransmission voltage
- 1% for service at transmission voltage

Hourly Power Supply Cost Charge: The hourly power supply cost charge shall be based on the average cost of the resources required to serve the hourly loads under this rider. Customers will be provided with an hourly estimate of the power supply cost, but at the conclusion of each billing cycle the Company will determine the hourly allocation of resources actually serving the hourly loads under this rider, and will determine the hourly power supply cost charge as follows:

For R10 energy supplied by Company generation, the hourly power supply cost (\$/MWh) shall be based on the monthly cost of fuel by fuel type for the generating unit(s) identified as serving this load. The monthly cost of fuel shall include only those fuel costs incurred for electric generation and will be determined as follows:

1. Each generating plant's monthly booked fuel cost (\$) by fuel type shall be divided by each plant's consumption (MMBTU) by fuel type.
2. This amount (\$/MMBTU) by fuel type will be multiplied by each unit's consumption (MMBTU) by fuel type to obtain the fuel cost (\$) by fuel type for each generating unit.
3. The fuel cost (\$) by fuel type shall be summed for the unit and divided by the unit's total MMBTU consumption.
4. This amount (\$/MMBTU) will be multiplied by the unit's total consumption (MMBTU) for electric generation resulting in the unit's monthly cost of fuel (\$) for electric generation.

(Continued on [Sheet No. D-92.00](#))

(Continued from [Sheet No. D-90.00](#))

STANDARD CONTRACT RIDER NO. 10 (CONTD)

INTERRUPTIBLE SUPPLY RIDER

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charges:

Generation capacity charge of **3.113¢** per kWh for all kWh plus,

An hourly power supply cost charge applied to all kWh plus,

A monthly capacity charge in \$ per customer plus,

A voltage level service adder. The total hourly power supply cost charges for the billing month will be multiplied by the following amounts:

- 8% for service at primary voltage
- 3% for service at subtransmission voltage
- 1% for service at transmission voltage

Hourly Power Supply Cost Charge: The hourly power supply cost charge shall be based on the average cost of the resources required to serve the hourly loads under this rider. Customers will be provided with an hourly estimate of the power supply cost, but at the conclusion of each billing cycle the Company will determine the hourly allocation of resources actually serving the hourly loads under this rider, and will determine the hourly power supply cost charge as follows:

For R10 energy supplied by Company generation, the hourly power supply cost (\$/MWh) shall be based on the monthly cost of fuel by fuel type for the generating unit(s) identified as serving this load. The monthly cost of fuel shall include only those fuel costs incurred for electric generation and will be determined as follows:

1. Each generating plant's monthly booked fuel cost (\$) by fuel type shall be divided by each plant's consumption (MMBTU) by fuel type.
2. This amount (\$/MMBTU) by fuel type will be multiplied by each unit's consumption (MMBTU) by fuel type to obtain the fuel cost (\$) by fuel type for each generating unit.
3. The fuel cost (\$) by fuel type shall be summed for the unit and divided by the unit's total MMBTU consumption.
4. This amount (\$/MMBTU) will be multiplied by the unit's total consumption (MMBTU) for electric generation resulting in the unit's monthly cost of fuel (\$) for electric generation.

(Continued on [Sheet No. D-92.00](#))

(Continued from [Sheet No. D-90.00](#))

Standard Contract Rider No. 10 (Contd)

Interruptible Supply Rider

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charges:

Generation capacity charge of ~~2.844¢~~ per kWh for all kWh plus,

An hourly power supply cost charge applied to all kWh plus,

A monthly capacity charge in \$ per customer plus,

A voltage level service adder. The total hourly power supply cost charges for the billing month will be multiplied by the following amounts:

- 8% for service at primary voltage
- 3% for service at subtransmission voltage
- 1% for service at transmission voltage

Hourly Power Supply Cost Charge: The hourly power supply cost charge shall be based on the average cost of the resources required to serve the hourly loads under this rider. Customers will be provided with an hourly estimate of the power supply cost, but at the conclusion of each billing cycle the Company will determine the hourly allocation of resources actually serving the hourly loads under this rider, and will determine the hourly power supply cost charge as follows:

For R10 energy supplied by Company generation, the hourly power supply cost (\$/MWh) shall be based on the monthly cost of fuel by fuel type for the generating unit(s) identified as serving this load. The monthly cost of fuel shall include only those fuel costs incurred for electric generation and will be determined as follows:

1. Each generating plant's monthly booked fuel cost (\$) by fuel type shall be divided by each plant's consumption (MMBTU) by fuel type.
2. This amount (\$/MMBTU) by fuel type will be multiplied by each unit's consumption (MMBTU) by fuel type to obtain the fuel cost (\$) by fuel type for each generating unit.
3. The fuel cost (\$) by fuel type shall be summed for the unit and divided by the unit's total MMBTU consumption.
4. This amount (\$/MMBTU) will be multiplied by the unit's total consumption (MMBTU) for electric generation resulting in the unit's monthly cost of fuel (\$) for electric generation.

(Continued on [Sheet No. D-92.00](#))

Issued January 14, 2009

D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

Effective for service rendered on
and after January 14, 2009

Issued under authority of the
Michigan Public Service Commission
dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-90.00](#))

Standard Contract Rider No. 10 (Contd)

Interruptible Supply Rider

RATE PER MONTH:

Full Service Customers:

Power Supply Charges:

Energy Charges:

Generation capacity charge of 1.583¢ per kWh for all kWh plus,

An hourly power supply cost charge applied to all kWh plus,

A monthly capacity charge in \$ per customer plus,

A voltage level service adder. The total hourly power supply cost charges for the billing month will be multiplied by the following amounts:

- 8% for service at primary voltage
- 3% for service at subtransmission voltage
- 1% for service at transmission voltage

Hourly Power Supply Cost Charge: The hourly power supply cost charge shall be based on the average cost of the resources required to serve the hourly loads under this rider. Customers will be provided with an hourly estimate of the power supply cost, but at the conclusion of each billing cycle the Company will determine the hourly allocation of resources actually serving the hourly loads under this rider, and will determine the hourly power supply cost charge as follows:

For R10 energy supplied by Company generation, the hourly power supply cost (\$/MWh) shall be based on the monthly cost of fuel by fuel type for the generating unit(s) identified as serving this load. The monthly cost of fuel shall include only those fuel costs incurred for electric generation and will be determined as follows:

1. Each generating plant's monthly booked fuel cost (\$) by fuel type shall be divided by each plant's consumption (MMBTU) by fuel type.
2. This amount (\$/MMBTU) by fuel type will be multiplied by each unit's consumption (MMBTU) by fuel type to obtain the fuel cost (\$) by fuel type for each generating unit.
3. The fuel cost (\$) by fuel type shall be summed for the unit and divided by the unit's total MMBTU consumption.
4. This amount (\$/MMBTU) will be multiplied by the unit's total consumption (MMBTU) for electric generation resulting in the unit's monthly cost of fuel (\$) for electric generation.

(Continued on [Sheet No. D-92.00](#))

(Continued from [Sheet No. D-91.00](#))

STANDARD CONTRACT RIDER NO. 10 (CONTD)

INTERRUPTIBLE SUPPLY RIDER

5. The unit's monthly cost of fuel (\$) for electric generation will be divided by the unit's net generation (MWh) to determine the hourly power supply cost (\$/MWh) for the month.

For R10 energy supplied by purchased power, the hourly power supply cost charge will be calculated by dividing the total cost for the resource (excluding any costs allocated to the R10 customer via the monthly capacity charge) by the total energy for the resource.

Monthly Capacity Charge: The monthly capacity charge for fixed purchased power costs associated with power purchased for capacity deficiency reasons will be determined as follows:

When power is purchased to meet a capacity deficiency and that purchase is identified as serving R10 load, the fixed purchase costs associated with the power transaction shall be borne by R10 customers. The amount of the fixed purchased costs, including any minimum purchase costs, charged to each R10 customer shall be determined by multiplying the fixed purchase costs, expressed in \$/MW, by the greater of either the scheduled R10 load (MW) or the actual load (MW) for each customer for the period during which the power was purchased to serve R10 load.

Power Supply Pricing Option:

Energy Charge:

This option is available to customer's desiring alternative power supply pricing based on MISO market pricing. Charges under this provision shall replace the energy charges above. Customers must transfer 100% of their Rider 10 requirements to this provision. Service under this provision must be taken in 12 month increments. The Energy charge will be the real time MISO locational hourly marginal energy price for the Detroit Edison-appropriate load node. In addition to the MISO locational hourly marginal energy price the following charges will also apply:

0.733¢/kWh for MISO network transmission costs and MISO energy market costs plus,

An administrative charge of **0.54¢/kWh** plus,

A voltage level service adder of 1% for transmission, 2% for subtransmission and 7% for primary.

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24kV) **\$4.60** per kW of maximum demand and **0.950¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$2.99** per kW of maximum demand and **(1.757)¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$1.91** per kW of maximum demand and **(1.774)¢** per kWh for all energy delivered.

(Continued on [Sheet No. D-93.00](#))

(Continued from [Sheet No. D-91.00](#))

STANDARD CONTRACT RIDER NO. 10 (CONTD)

INTERRUPTIBLE SUPPLY RIDER

5. The unit's monthly cost of fuel (\$) for electric generation will be divided by the unit's net generation (MWh) to determine the hourly power supply cost (\$/MWh) for the month.

For R10 energy supplied by purchased power, the hourly power supply cost charge will be calculated by dividing the total cost for the resource (excluding any costs allocated to the R10 customer via the monthly capacity charge) by the total energy for the resource.

Monthly Capacity Charge: The monthly capacity charge for fixed purchased power costs associated with power purchased for capacity deficiency reasons will be determined as follows:

When power is purchased to meet a capacity deficiency and that purchase is identified as serving R10 load, the fixed purchase costs associated with the power transaction shall be borne by R10 customers. The amount of the fixed purchased costs, including any minimum purchase costs, charged to each R10 customer shall be determined by multiplying the fixed purchase costs, expressed in \$/MW, by the greater of either the scheduled R10 load (MW) or the actual load (MW) for each customer for the period during which the power was purchased to serve R10 load.

Power Supply Pricing Option:

Energy Charge:

This option is available to customer's desiring alternative power supply pricing based on MISO market pricing. Charges under this provision shall replace the energy charges above. Customers must transfer 100% of their Rider 10 requirements to this provision. Service under this provision must be taken in 12 month increments. The Energy charge will be the real time MISO locational hourly marginal energy price for the Detroit Edison-appropriate load node. In addition to the MISO locational hourly marginal energy price the following charges will also apply:

0.52¢/kWh for MISO network transmission costs and MISO energy market costs plus,

An administrative charge of 0.2¢/kWh plus,

A voltage level service adder of 1% for transmission, 2% for subtransmission and 7% for primary.

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24kV) **\$3.90** per kW of maximum demand and **(0.495)¢** per kWh for all energy delivered.

For service at subtransmission voltage (24 to 41.6 kV) **\$2.55** per kW of maximum demand and **(0.779)¢** per kWh for all energy delivered.

For service at transmission voltage (120 kV and above) **\$1.62** per kW of maximum demand and **(0.783)¢** per kWh for all energy delivered.

(Continued on [Sheet No. D-93.00](#))

(Continued from [Sheet No. D-91.00](#))

Standard Contract Rider No. 10 (Contd)

Interruptible Supply Rider

5. The unit's monthly cost of fuel (\$) for electric generation will be divided by the unit's net generation (MWh) to determine the hourly power supply cost (\$/MWh) for the month.

For R10 energy supplied by purchased power, the hourly power supply cost charge will be calculated by dividing the total cost for the resource (excluding any costs allocated to the R10 customer via the monthly capacity charge) by the total energy for the resource.

Monthly Capacity Charge: The monthly capacity charge for fixed purchased power costs associated with power purchased for capacity deficiency reasons will be determined as follows:

When power is purchased to meet a capacity deficiency and that purchase is identified as serving R10 load, the fixed purchase costs associated with the power transaction shall be borne by R10 customers. The amount of the fixed purchased costs, including any minimum purchase costs, charged to each R10 customer shall be determined by multiplying the fixed purchase costs, expressed in \$/MW, by the greater of either the scheduled R10 load (MW) or the actual load (MW) for each customer for the period during which the power was purchased to serve R10 load.

Power Supply Pricing Option:

Energy Charge:

This option is available to customer's desiring alternative power supply pricing based on MISO market pricing. Charges under this provision shall replace the energy charges above. Customers must transfer 100% of their Rider 10 requirements to this provision. Service under this provision must be taken in 12 month increments. The Energy charge will be the real time MISO locational hourly marginal energy price for the Detroit Edison-appropriate load node. In addition to the MISO locational hourly marginal energy price the following charges will also apply:

*0.52¢/kWh for MISO network transmission costs and MISO energy market costs plus,
An administrative charge of 0.2¢/kWh plus,
A voltage level service adder of 1% for transmission, 2% for subtransmission and 7% for primary.*

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24kV) \$3.77 per kW of maximum demand *and (0.776)¢ per kWh for all energy delivered.*

For service at subtransmission voltage (24 to 41.6 kV) \$2.47 per kW of maximum demand *and (0.776)¢ per kWh for all energy delivered.*

For service at transmission voltage (120 kV and above) \$1.57 per kW of maximum demand *and (0.776)¢ per kWh for all energy delivered.*

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(Continued from [Sheet No. D-91.00](#))

Standard Contract Rider No. 10 (Contd)

Interruptible Supply Rider

5. The unit's monthly cost of fuel (\$) for electric generation will be divided by the unit's net generation (MWh) to determine the hourly power supply cost (\$/MWh) for the month.

For R10 energy supplied by purchased power, the hourly power supply cost charge will be calculated by dividing the total cost for the resource (excluding any costs allocated to the R10 customer via the monthly capacity charge) by the total energy for the resource.

Monthly Capacity Charge: The monthly capacity charge for fixed purchased power costs associated with power purchased for capacity deficiency reasons will be determined as follows:

When power is purchased to meet a capacity deficiency and that purchase is identified as serving R10 load, the fixed purchase costs associated with the power transaction shall be borne by R10 customers. The amount of the fixed purchased costs, including any minimum purchase costs, charged to each R10 customer shall be determined by multiplying the fixed purchase costs, expressed in \$/MW, by the greater of either the scheduled R10 load (MW) or the actual load (MW) for each customer for the period during which the power was purchased to serve R10 load.

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24kV) \$3.45 per kW of maximum demand

For service at subtransmission voltage (24 to 41.6 kV) \$2.29 per kW of maximum demand

For service at transmission voltage (120 kV and above) \$1.47 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 Sections C8.5 and C9.8

(Continued on [Sheet No. D-93.00](#))

(Continued from [Sheet No. D-92.00](#))

STANDARD CONTRACT RIDER NO. 10 (CONTD)

INTERRUPTIBLE SUPPLY RIDER

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 Sections C8.5 and C9.8

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24kV) **\$3.94** per kW of maximum demand

For service at subtransmission voltage (24 to 41.6 kV) **\$1.49** per kW of maximum demand

For service at transmission voltage (120 kV and above) **\$0.99** 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.

(Continued on [Sheet No. D-94.00](#))

Issued November 1, 2011
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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dated October 20, 2011
In Case No. U-16472

(Continued from [Sheet No. D-92.00](#))

STANDARD CONTRACT RIDER NO. 10 (CONTD)

INTERRUPTIBLE SUPPLY RIDER

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 Sections C8.5 and C9.8

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24kV) **\$2.31** per kW of maximum demand

For service at subtransmission voltage (24 to 41.6 kV) **\$0.87** per kW of maximum demand

For service at transmission voltage (120 kV and above) **\$0.58** 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.

(Continued on [Sheet No. D-94.00](#))

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D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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dated January 25, 2010
In Case No. U-15768

(Continued from [Sheet No. D-92.00](#))

STANDARD CONTRACT RIDER NO. 10 (CONTD)

INTERRUPTIBLE SUPPLY RIDER

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 Sections C8.5 and C9.8

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24kV) \$1.65 per kW of maximum demand

For service at subtransmission voltage (24 to 41.6 kV) \$0.62 per kW of maximum demand

For service at transmission voltage (120 kV and above) \$0.41 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.

(Continued on [Sheet No. D-94.00](#))

Issued October 20, 2009
D. G. Brudzynski
Vice President
Regulatory Affairs

Detroit, Michigan

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dated August 25, 2009
In Case No. U-15806

(Continued from [Sheet No. D-92.00](#))

Standard Contract Rider No. 10 (Contd)

Interruptible Supply Rider

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 Sections C8.5 and C9.8

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24kV) **\$1.65** per kW of maximum demand

For service at subtransmission voltage (24 to 41.6 kV) **\$0.62** per kW of maximum demand

For service at transmission voltage (120 kV and above) **\$0.41** 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.

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.

(Continued on [Sheet No. D-94.00](#))

Issued January 14, 2009

D. G. Brudzynski

Vice President

Regulatory Affairs

Detroit, Michigan

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dated January 13, 2009
In Case No. U-15244

(Continued from [Sheet No. D-92.00](#))

Standard Contract Rider No. 10 (Contd)

Interruptible Supply Rider

Retail Access Service Customers:

Delivery Charges:

Service Charge: \$275 per month

Distribution Charges:

For primary service (less than 24kV) \$3.20 per kW of maximum demand

For service at subtransmission voltage (24 to 41.6 kV) \$1.20 per kW of maximum demand

For service at transmission voltage (120 kV and above) \$0.80 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 C4.9.

MINIMUM CHARGE: The Service Charge plus the Maximum Demand Charge, plus all applicable energy charges.

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.

(Continued on [Sheet No. D-94.00](#))

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Regulatory Affairs
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In Case No. U-15152

(Continued from [Sheet No. D-93.00](#))

Standard Contract Rider No. 10 (Contd)

Interruptible Supply Rider

POWER FACTOR CLAUSE: Shall be the Power Factor Clause as defined in the Primary Supply Rate (D6).

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.

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 8 years, extending thereafter from month-to-month until terminated by 5 years written notice by either party, which may be given at any time after the third year of the contract. 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 D6 on-peak billing demand charge times the contract capacity for the number of months served under this rider.

Standard Contract Rider No. 16

**Net Metering for Renewable Resource and Innovative Technology
On-Site Power Producing Facilities**

AVAILABILITY:

This Rider is available on a first come first served basis to full service electric customers operating on-site generation which satisfies the Renewable Resource or Innovative Technology eligibility requirements set forth below. This rider attaches to any full service metered tariff excluding Riders. The total capacity contracted under this Rider shall be limited to 0.001 (0.1%) of the Company's system peak for the previous year as defined on page 401b of MPSC Form P-521.

ELIGIBLE ELECTRIC GENERATING UNITS:

A. Eligible Technologies:

1. Renewable Resource:

Technologies indicated in the definition of renewable energy source as provided in 2000 PA 141, section 10g(1)(f) (MCL 460.10g(1)(f)): specifically, energy generated by solar, wind, geothermal, biomass, including waste-to-energy and landfill gas, or hydroelectric are eligible technologies. Biomass systems are allowed to blend up to 25% fossil-fuel as needed to ensure safe, environmentally sound operation of the system.

2. Innovative Technology:

Fuel Cells and Stirling Engines that have the potential of becoming Hydrogen enabling technologies are eligible to participate in the net metering program regardless of their current fuel type.

B. Generating Unit(s) Size Limitations:

1. The maximum size of an individual unit or combination of units at a single site must be less than 30kW and;
2. Systems will be limited in size, not to exceed the Customer's self-service needs.
 - a. For wind and photovoltaic systems a Customer may size the system to meet the site annual energy needs (in kWh).
 - b. For all other systems a Customer may size the system to meet the site maximum capacity need (in kW).

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.

(Continued on [Sheet No. D-102.00](#))

(Continued from [Sheet No. D-101.00](#))

Standard Contract Rider No. 16 (Contd)

GENERATOR INTERCONNECTION REQUIREMENTS:

- A. The requirements for interconnecting Customer on-site electric generating equipment with the Company are contained in the Michigan Public Service Commission's Electric Interconnection Standards Rules (R 460.481–460.489), The Michigan Electric Utility Generation Interconnection Requirements and the Company's Generator Interconnection Supplement to Michigan Electric Utility Generation Interconnection Requirements.
- B. All interconnection requirements must be met and the Customer must fulfill all requirements in and sign an Interconnection & Operating Agreement with the Company prior to commencing operation of on-site generation.
- C. Any service modifications resulting from installation of wind or photovoltaic units sized greater than site demand shall be made at the Customer's expense.
- D. 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 written approval by the Company of the interconnection and any subsequent changes to the interconnection will make the Customer subject to disconnection.

METERING:

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. In addition to the inflow and outflow metering the Customer shall make provisions for and the Company will install metering on the generator output capable of recording any parameters metered on the Base Rate. Any and all costs associated with metering that are incurred to participate in the Net Metering Program are the responsibility of the customer. The customer has the option to either (1) pay for costs associated with metering in full prior to taking service under the Net Metering Program or (2) divide the total costs associated with metering into 12 equal monthly payments to be added to the customer's electric bill.

(Continued on [Sheet No. D-103.00](#))

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Vice President
Regulatory Affairs
Detroit, Michigan

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dated October 9, 2007
In Case No. U-15152

(Continued from [Sheet No. D-102.00](#))

Standard Contract Rider No. 16 (Contd)

NET METERING BILLING PROVISIONS:

- A. Customer 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 + generation - outflow]. In general, the Customer will be billed for their electric requirements at the Base Rate with all applicable surcharges and receive a power supply credit, a surcharge credit, and a program credit, if applicable, for that portion of their electric requirements that were served by their eligible generation.

Power Supply Credit:

Prior to approval of unbundled rates, the power supply credit will be calculated based on the bundled rate plus the power supply cost recovery (PSCR) surcharge less delivery charges, which will be based on the retail access service tariff. Upon Commission approval of un-bundled rates, the power supply credit will be the power supply charges plus the (PSCR) surcharge.

Surcharge Credit:

The surcharge credit will be based on all applicable energy based surcharges excluding PSCR.

Program Credit:

A program credit will be provided to net metering customers taking service on an energy only Base Rate. The program credit will be equivalent to the delivery charges applied to the customer generation produced and utilized on site in the current billing period.

- B. In the event the Customer generates more than their electric requirements in any month, the Net Excess Generation (NEG) will be carried over from month to month, limited to a 12-billing-month cycle. The customer will elect the ending billing month to be used to establish the 12-billing-month cycle. At the end of each 12-billing-month cycle, the customer's NEG balance, if any, will be reset to zero. Any unused NEG existing at that time will be retained by the Company. The value of the unused NEG retained by the Company will be used to offset costs associated with the Company's operation of the net metering program.

ADDITIONAL CHARGES AND CREDITS:

The Customer is responsible for the filing fee of \$100 specified in The Michigan Electric Utility Generation Interconnection Requirements.

(Continued on [Sheet No. D-104.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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In Case No. U-15152

(Continued from [Sheet No. D-103.00](#))

Standard Contract Rider No. 16 (Contd)

CONTRACT TERM:

This rider shall be open for Customer enrollments for a period of 5 years, and Customers who enroll shall be eligible to participate for a single continuous period of 10 years. A Customer may discontinue taking service under this rider at any time. Any unused NEG existing at that time will be retained by the Company. The value of the unused NEG retained by the Company will be used to offset costs associated with the Company's operation of the net metering program. The Company may terminate a Customer's service under this rider if the Customer fails to satisfy the eligibility requirements. This Rider will terminate at the earlier of 15 years after approval or upon the end of contract term for the last Customer signing up for service under the rider.

SPECIAL PROVISIONS AND CONDITIONS:

- A. Generation Units covered by this Rider are exempt from all charges associated with the Company's Standard Contract Rider 3 Parallel Operation and Standby Service. Generation Units covered by this Rider are exempt from the Auxiliary Power Provisions contained in Residential Service Rate (D1) and Residential Space Heating Rate (D2).
- B. 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 on site 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.
- C. The Company will allow the generator metering to be used by the customer for the purpose of accounting for renewable energy credits (REC's) the customer may wish to sell.
- D. The differential between the retail generation credit given for NEG and the Company's avoided energy cost will be included in program costs.
- E. The program credit provided under this rider will be included in program costs.
- F. Net Metering Program operating costs will be included in program costs.
- G. The value of NEG balances retained by the Company pursuant to Paragraph B under NET BILLING PROVISIONS will provide a credit to Program costs. The credit shall be an amount equal to the Power Supply Cost Recovery Base plus the PSCR factor at the time the NEG balance is reset to zero times the NEG balance.

(Continued on [Sheet No. D-105.00](#))

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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In Case No. U-15152

(Continued from [Sheet No. D-104.00](#))

Standard Contract Rider No. 16 (Contd)

- H. The Company shall be authorized to recover all costs associated with the Net Metering Program as those costs are defined and explained in the “MREP Consensus Agreement on Statewide Net Metering Program” approved by the Commission in its March 29, 2005 Order in Case No. U-14346. At a minimum, analyses of program costs for the Net Metering program will occur at the end of the second Net Metering Program year and every two years thereafter. Since all customers may ultimately benefit from the availability of the Net Metering Program, some or all Net Metering Program costs may be recovered from all of its retail electric customers. The Company may, at its sole discretion, file a request to apply a charge or charges to all of its retail electric customers, all Net Metering Program participants, or both, to collect underrecovered Net Metering Program costs.

Issued July 14, 2008
D. G. Brudzynski
Vice President
Regulatory Affairs
Detroit, Michigan

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RETAIL ACCESS SERVICE RIDER – RIDER EC2

E1 INTRODUCTION

This Rider is designed to express the terms and conditions associated with retail access service in the Detroit Edison Electric Choice Program, as well as provide information regarding the roles of the various market participants. This Rider includes the following sections:

Introduction and Definitions	Sec. 1
Customers	Sec. 2 - 10
Alternative Electric Suppliers	Sec. 11 - 18
Marketers	Sec. 19 - 21

- In the Detroit Edison Electric Choice Program, Detroit Edison 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. Detroit Edison 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 E5, inclusive, when the customer wishes to take power supply service from an Alternative Electric Supplier. 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 Detroit Edison distribution system. Under retail access service, the Customer will conduct transactions with at least two entities - Detroit Edison and an Alternative Electric Supplier. The Customer is responsible for choosing an Alternative Electric Supplier.

Detroit Edison's principal requirement is that the Customer must already be connected to the Detroit Edison Distribution System as a Full Service Customer or meet the requirements for new Customers connecting to the Detroit Edison Distribution System. All Primary Customers and Secondary Customers with Customer Service Capacities greater than 300 kW must execute Customer Distribution Agreements with Detroit Edison.

E1.3 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 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.

(Continued on [Sheet No. E-2.00](#))

(Continued from [Sheet No. E-2.00](#))

RETAIL ACCESS SERVICE RIDER – RIDER EC2 (CONTD)

E1.5 Definitions (Contd)

Detroit Edison's Distribution System means facilities operated by Detroit Edison for the purpose of distributing electric power within Detroit Edison's electric service territory, which are subject to the jurisdiction of the Commission.

Distribution Contract Capacity means the load carrying capacity in kilowatts of the Detroit Edison 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 Detroit Edison Distribution System and the Customer's service location.

Distribution Point of Receipt means the point of interconnection between the ITC Transmission and Detroit Edison Distribution Systems.

Effective Date is the date at which responsibility for servicing a Customer Load transfers from the current supplier to the new supplier. 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 Meter means a meter capable of measuring and recording energy on a kWh basis.

Full Service means the provision of regulated electric service including energy, transmission and distribution services; each provided by Detroit Edison.

International Transmission Company (ITC) Transmission System means facilities operated by ITC for the purpose of transmitting electric power within the Detroit Edison electric service territory which are subject to the jurisdiction of the Federal Energy Regulatory Commission.

Interval Demand Meter means a meter capable of measuring and recording kW demands and kVAR demands on a 30-minute integrated basis, as needed to bill the Customer and measuring energy on a kWh basis.

Joint Open Access Transmission Tariff (JOATT) means the ITC and Consumers Energy Open Access Transmission Tariff on file with the Federal Energy Regulatory Commission, as amended from time to time. The Tariff applies to transactions where energy flows through both the ITC and Consumers Energy Transmission Systems.

(Continued on [Sheet No. E-4.00](#))

(Continued from [Sheet No. E-3.00](#))

RETAIL ACCESS SERVICE RIDER – RIDER EC2 (CONTD)

E1.5 Definitions (Contd)

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.

MISO means the Midwest Independent System Operator

Power means a combination of the electric demand and energy requirements of the Customer.

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.

Transition Charge is a surcharge for the recovery of costs associated with the implementation of retail access service and Detroit Edison's stranded costs arising from implementation of retail access service.

Transmission Point of Delivery means the point of interconnection between the ITC Transmission and Detroit Edison 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.

(Continued on [Sheet No. E-5.00](#))

(Continued from [Sheet No. E-4.00](#))

RETAIL ACCESS SERVICE RIDER – RIDER EC2 (CONTD)

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 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 Detroit Edison Distribution System. This Rider also sets forth the rates and charges for services unique to customers taking Retail Access Service.

E2.2 Power received by ITC for delivery to the Customer shall be transmitted across the ITC Transmission System to the Detroit Edison Distribution System in accordance with the rates, terms and conditions of service of the ITC Open Access Transmission 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 Detroit Edison. Rider No. 2 agreements between the Customer and Detroit Edison will remain in effect during service under this Rider. Rider No. 4 - "Resale of Service" is also available under this Rider.

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 to each Customer account or Customer Location.

E2.5 Detroit Edison shall be required to complete all retail access enrollment activities required to place a Customer in "site-ready" status within the following timeframes:

- A. Within 10 calendar days when no meter work is required for the Customer to take retail access service
- B. Within 45 days when meter work is required

These deadlines do not require that Customers actually commence service within the specified timeframes; only that Detroit Edison 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 Detroit Edison electronically by the Customer's new Alternative Electric Supplier as a new enrollment.

(Continued on [Sheet No. E-6.00](#))

(Continued from [Sheet No. E-9.00](#))

RETAIL ACCESS SERVICE RIDER – RIDER EC2 (CONTD)

E5. TERM, COMMENCEMENT OF SERVICE AND RETURN TO FULL SERVICE

E5.1 Term

- A. Retail access service shall have a minimum term of two years subject to the provisions of Section 5.3. Upon completion of the initial term, retail access service shall continue on a month to month basis until terminated by the Customer or Detroit Edison with 30 days written notice. Any customer who elected retail access service prior to the Commission's final order in U-13808 will be subject to a minimum term of one year.

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 Detroit Edison 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 5.3. All other customers who fail to give less than 30 or 60 days notice are subject to Detroit Edison's ability to supply their requirements.

- B. 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 Detroit Edison 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.

Minimum charges shall be adjusted each year to recognize actual demand.

(Continued on [Sheet No. E-11.00](#))

(Continued from [Sheet No. E-10.00](#))

RETAIL ACCESS SERVICE RIDER – RIDER EC2 (CONTD)

E5 TERM, COMMENCEMENT OF SERVICE AND RETURN TO FULL SERVICE (CONTD)

E5.2 Commencement of Service

A. 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 Detroit Edison. Alternative Electric Supplier submission of the enrollment warrants that a valid contract with the prospective Customer exists. Detroit Edison 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 2.5.

B. 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, Detroit Edison 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.

E5.3 Return to Full Service

A. In addition to the written notice provided in Section E5.1, a Customer shall provide Detroit Edison with notice no later than December 1st if the Customer will be taking full service from Detroit Edison during the following summer. For this purpose, “summer” means Detroit Edison regularly scheduled billing periods beginning June 1st through September 30th. Customers who so notify Detroit Edison shall be obligated to take full service from Detroit Edison for twelve months and pay for such service at any tariff rate for which the customer qualifies.

If a Customer does not provide Detroit Edison with written notice prior to December 1st and then takes full service from Detroit Edison during the following summer, the Customer shall pay Detroit Edison 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.

(Continued on [Sheet No. E-12.00](#))

(Continued from [Sheet No. E-19.00](#))

RETAIL ACCESS SERVICE RIDER – RIDER EC2 (CONTD)

E17 CUSTOMER PROTECTION

E17.1 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.

E17.2 Detroit Edison 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).

E17.3 *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

E18 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 Detroit Edison on the Detroit Edison Distribution System to the Customer's meter shall be adjusted using the following real power loss factors for distribution service:

	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
Secondary	10.88%	11.95%	12.01%	10.23%
4.8/13.2 kV	6.61%	7.13%	7.37%	6.31%
24kV/41.6 kV	1.86%	2.09%	2.34%	1.90%
120 kV and above	0.55%	0.57%	0.57%	0.55%

Marketers must schedule and supply an amount of Power equal to its Customers' hourly usage x [(1 + D%) x (1 + T%)] to account for losses on the ITC Transmission and Detroit Edison Distribution System, where T% is the applicable loss factor contained in the ITC Open Access Transmission Tariff and D% is the applicable loss factor from the table above.

(Continued on [Sheet No. E-21.00](#))

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Vice President
Regulatory Affairs

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(Continued from [Sheet No. E-19.00](#))

RETAIL ACCESS SERVICE RIDER – RIDER EC2 (CONTD)

E17 SLAMMING PROTECTION

E17.1 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.

E17.2 Detroit Edison provides Residential Customers with pending enrollments with an Alternative Electric Supplier, a three-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).

MARKETER SECTION

E18 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 Detroit Edison on the Detroit Edison Distribution System to the Customer's meter shall be adjusted using the following real power loss factors for distribution service:

	<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
Secondary	10.88%	11.95%	12.01%	10.23%
4.8/13.2 kV	6.61%	7.13%	7.37%	6.31%
24kV/41.6 kV	1.86%	2.09%	2.34%	1.90%
120 kV and above	0.55%	0.57%	0.57%	0.55%

Marketers must schedule and supply an amount of Power equal to its Customers' hourly usage x [(1 + D%) x (1 + T%)] to account for losses on the ITC Transmission and Detroit Edison Distribution System, where T% is the applicable loss factor contained in the ITC Open Access Transmission Tariff and D% is the applicable loss factor from the table above.

E19 OPTIONAL LOAD PROFILE MANAGEMENT SERVICE

The Optional Load Profile Management Service (Load-Leading Service) is no longer available.

(Continued on [Sheet No. E-21.00](#))

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(Continued from [Sheet No. E-20.00](#))

RETAIL ACCESS SERVICE RIDER – RIDER EC2 (CONTD)

E20 HOURLY USAGE DATA TO SUPPORT MISO SETTLEMENT

E20.1 Meter Data Management Agent

At the option of the Marketer, Detroit Edison will act as their Meter Data Management Agent (MDMA) for their customer loads within Detroit Edison's service area. The Marketer is under no obligation to take this service from Detroit Edison.

E20.2 Hourly Usage Data for Interval-Metered Customers

Hourly usage for Primary customers and Secondary customers taking optional interval-metered Retail Access service will be the customer's actual measured usage for each hour increment as recorded by the interval meter.

E20.3 Hourly Usage Data for Customers Without Interval Meters

Standard Retail Access service for Secondary customers is accomplished with Detroit Edison's standard metering for the customer class and type of service taken. There is no requirement for interval metering for Secondary customers.

Hourly usage data for these customers will be determined through the use of MPSC-approved load profiles that will be used to distribute the total usage in the billing period across all the hours in that billing period. The same MPSC-approved profiles must be used for all retail access customers in a given load profiling grouping whether or not Detroit Edison acts as the MDMA.

A. Load Profiles

Secondary customers will be assigned to one of twelve distinct customer groupings, based on customer class (Residential or Non-Residential), type of service (single-phase or three-phase), type of metering (energy only or energy and demand), historical usage characteristics (annual usage, load factor), and if three-phase energy-metered, by major SIC Code grouping (Manufacturing or Non-Manufacturing).

Customers will be assigned to a particular load profile based on their historic information in Detroit Edison's customer systems. Where insufficient history exists, the needed information to assign a profile will be estimated by Detroit Edison.

Customer assignments to a particular load profile will be reviewed annually to see if the customer's annual kWh usage or load factor for the last 12 months merits re-assignment to a different load profile group.

(Continued on [Sheet No. E-22.00](#))

SECTION F
STANDARD CUSTOMER FORMS INDEX

STANDARD FORMS F-1.00

<http://my.dteenergy.com/otherInformation/electricRateBook.html>

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