



MIDAMERICAN ENERGY COMPANY
 Electric Tariff No. 2
 Filed with the Iowa Utilities Board

Canceling ~~1st Revised~~ **2nd 4th-Revised** Sheet No. 1.20
~~Substitute Original~~ Sheet No. 1.20

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~~3rd 2nd~~-Revised Sheet No. 14
 Canceling ~~2nd 4th~~-Revised Sheet No. 14

SECTION 2 - CUSTOMER POLICIES

Applicable to All Rates and Riders

RATE CLASSIFICATION

The conditions and availability of each rate may be found on the applicable rate schedules of this Tariff.

<u>Rate</u>	<u>Description</u>
RS	Residential - Service
GE	General – Energy Service
GD	General – Demand Service
LS	Large Electric Service
SS	Substation Service
ICR	Individual Customer Rate
MWP	Municipal Water Pumping Service
TC	Traffic Control Service
RST	Residential Time-of-Use Service
GET	General – Energy Time-of-Use Service
GDT	General–Demand Time-of-Use Service
LST	Large Electric Time-of-Use -Service
SST	Substation Time-of-Use Service
DAP	Day Ahead Hourly Pricing
SL	Street Lighting
AL	Area Lighting
QF	Cogeneration & Small Power Production Facilities
NB	Net Billing of Small Alternate Energy Producers and Small Hydro Facilities
AEP	Alternate Energy Production Facilities Contract Provision Offered
RMS	Residential Master Metered Service
PG Pilot	Net Billing of Private Generation Facilities Pilot

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Customers will be subject to all riders, additions, adjustments, taxes, fees, and charges that may be applicable under this Tariff. All rates and charges contained in this Tariff or contract with reference thereto may be modified at any time by a subsequent filing made pursuant to the provisions of Iowa Code Chapter 476.



MIDAMERICAN ENERGY COMPANY
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1st Revised Original Sheet No. 349
Canceling Original Sheet No. 349

**RATE NB - NET BILLING OF SMALL ALTERNATE ENERGY
PRODUCERS AND SMALL HYDRO FACILITIES**

AVAILABILITY

This rate schedule is **limited to Customers who filed complete interconnection applications prior to January 1, 2017 and** applicable to Net Billed Facilities with metered energy only, which are defined as Alternate Energy Production Facilities or Small Hydro Facilities as such terms are defined by Section 476.42, *Iowa Code*. Such facilities will be referred to in this rate schedule individually as “Net Billed Facility.”

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This rate schedule is available pursuant to a written contract entered into by the Company for Net Billed Facilities located in the Company’s Iowa electric service area.

A Net Billed Facility means any of the following:

- An electric production facility which derives 75 percent or more of its energy input from solar, wind, waste management, resource recovery, refuse-derived fuel, agricultural crops or residues, or wood-burning;
- A hydroelectric facility at a dam;
- Cogeneration facility or a small power production facility that has a design capacity of 100 kilowatts or less and which has obtained qualifying status under 18 CFR Part 292, Subpart B;
- Land, systems, buildings, or improvements that are located at the project site and are necessary or convenient to the construction, completion or operation of the facility; or
- Transmission or distribution facilities necessary to conduct the energy produced to the purchasing utility.

NET BILLING ARRANGEMENT

A Net Billed Facility shall satisfy each of the following requirements:

- Have one geographic location or point of service from the Company;
- Have an aggregated nameplate capacity of 500 kW or less; and
- Generating capacity and associated energy is intended to serve only the electric requirements of the owner of the Facility.



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1st Revised Original Sheet No. 350
Canceling Original Sheet No. 350

RATE NB - NET BILLING OF SMALL ALTERNATE ENERGY PRODUCERS AND SMALL HYDRO FACILITIES (continued)

Facilities with a design capacity of over 500 kW may utilize this Net Billing Arrangement for up to 500 kW of design capacity of the Facility, and may request service under Rate AEP or Rate QF for the undesignated balance of the Facility's capacity. Facilities with aggregate nameplate capacity over 500 kW may contract for a portion of their facilities up to 500 kW as net metered, described below.

The term of the contract between the Company and the Facility under Net Billing Arrangement shall be specified by the Facility in the contract but shall not exceed twenty (20) years. Such contracts may be assigned for collateral purposes, or may be assigned by the Company in conjunction with a reorganization, but otherwise shall not be assignable without written consent of the parties. ***Consent will not be reasonably withheld by the Company.***

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Standby and Supplementary Power Service is not required for Net Billed Facilities.

METERING EQUIPMENT

The Company will install and provide, at no additional cost to the Facility, metering equipment at the point of service to the Facility of one of the following types:

- Metering capable of measuring and recording energy flows, on a kWh basis, from the Company to the Facility and from the Facility to the Company, with each direction energy flow recorded independently.
- Metering capable of measuring power flows in each direction on an hourly or other real-time basis. The Facility to receive real-time metering equipment shall be determined in consultation with the Iowa Utilities Board and the Iowa Department of Justice Office of Consumer Advocate.

The Facility shall not be responsible for the costs of the metering equipment installed in accordance with this provision except:

- To the extent that metering costs are reflected in the purchase rate applicable to its type or class of utility service; and
- In the case of facilities with design capacity of 500 kW or greater, for metering equipment that may be installed pursuant to the terms of a negotiated contract.



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1st Revised Original Sheet No. 351
Canceling Original Sheet No. 351

**RATE NB - NET BILLING OF SMALL ALTERNATE ENERGY
PRODUCERS AND SMALL HYDRO FACILITIES (continued)**

SALES AND PURCHASES

In addition to the Basic Service Charge under this rate schedule, the Facility shall be responsible for payment of any applicable Basic Service Charge or other applicable charges approved by the Iowa Utilities Board that are not collected on the basis of metered registration.

For charges collected on the basis of metered registration, the Company shall, for each monthly billing period, determine the net meter registration of the Facility by comparing the directional energy flow in each direction.

If the net meter registration shows that the deliveries of energy in kWh from the Facility to the Company exceed the deliveries of energy in kWh from the Company to the Facility, the net meter registration in kWh will be carried forward to the next monthly billing period as a ~~Net Metering~~ **Private Energy** Credit, expressed in kWh. If the Facility has carried over a ~~Net Metering~~ **Private Energy** Credit from one or more prior months, the net meter registration from the current month shall be added to the **Private Energy** ~~Net Metering~~ Credit that exists from prior months.

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If the net metering registration shows that deliveries of energy in kWh from the Company to the Facility exceed the deliveries of energy in kWh from the Facility to the Company, the Facility shall pay the Company for the net amount of energy delivered by the Company after application of any ~~Net Metering~~ **Private Energy** Credit carried forward from previous months at the rate applicable to its type or class of electric service.

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The Company shall not be required to convert the ~~Net Billing~~ **Private Energy** Credit to cash.

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1st Revised Original Sheet No. 354
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**RATE NB - NET BILLING OF SMALL ALTERNATE ENERGY
PRODUCERS AND SMALL HYDRO FACILITIES (continued)**

CONTRACT TERMS AND CONDITIONS

The provisions of this rate schedule shall be deemed to be terms and conditions of the written contract entered into by the Company for deliveries of energy from Facilities to the Company and purchases of energy by Facilities from the Company. A copy of this tariff will be provided to the Facility. Service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapters **15 and 45** and Section 7, "Electric Interconnections."

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The Facility shall deliver electricity to the Company on a best-efforts basis during the contract term.

SUPPLYING INTERCONNECTION PLANS AND COMPANY APPROVAL

The Facility agrees to submit an interconnection plan not less than thirty days prior to connection and for approval of the Company. The Facility and its interconnection plan **are** ~~is~~ subject to written Company approval pursuant to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapters **15 and 45** and Section 7, "Electric Interconnections."

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ADDITIONAL PROVISIONS

No later than July 1, 2006, and at five-year intervals thereafter, the Company shall file with the Board a report outlining its experience with this rate schedule. This report may recommend changes to the rate schedule. The Board shall review the report and issue a response.

This Periodic Review is not intended to preclude interested persons, including the Company, from requesting the Board to modify or cancel the Rate Schedule at other times.



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~~1st Revised Substitute Original Sheet No. 356~~
~~Canceling Substitute Original Sheet No. 356~~

**RATE AEP – ALTERNATE ENERGY PRODUCTION FACILITIES
CONTRACT PROVISION OFFERED (continued)**

RATES FOR SALE TO CUSTOMERS AND PURCHASE BY COMPANY

The Facility shall select one of the following metering arrangements for the sale to and purchase from the Company:

1. "Simultaneous Purchase and Sale Arrangement" with one meter measuring sales to the Company and a separate meter measuring purchases from the Company, subject to the terms and conditions in "Simultaneous Purchase and Sale Arrangement" subsection, below.
2. "Net Billing Arrangement" with a single meter monitoring only the net amount of electricity sold or purchased subject to the terms and conditions in Rate NB – Net Billing of Small Alternate Energy Producers and Small Hydro **Facilities or Rate PG Pilot – Net Billing of Private Generation Facilities Pilot.**

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The Facility may change from one metering arrangement to the other, as it deems necessary, provided it pays all the costs attributable to such change.

SIMULTANEOUS PURCHASE AND SALE ARRANGEMENT

All energy produced by the Facility shall be considered purchased by the Company. All energy consumed by the Facility shall be considered sold to the Facility by the Company.

Metering Equipment

Unless net metering is the only rate schedule selected, one meter shall be installed to measure sales to the Company. A separate meter shall be installed to measure purchases from the Company.

The Facility shall reimburse the Company for the cost, installation and maintenance of any supplemental metering equipment necessary that would not be required for service provided to a customer having no Facility.



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1st Revised Original Sheet No. 357
Canceling Original Sheet No. 357

**RATE AEP – ALTERNATE ENERGY PRODUCTION FACILITIES
CONTRACT PROVISION OFFERED (continued)**

SIMULTANEOUS PURCHASE AND SALE ARRANGEMENT (continued)

The Facility is prohibited from arranging or modifying its facilities to sell back to the Company the same energy it purchased.

Sales and Purchases

All electricity provided by the Facility is considered sold to the Company at a negotiated buy-back rate. If eligible for rate QF, a Facility may select to sell energy and capacity under that rate schedule. A Basic Service Charge of \$8.41 per month shall be paid by the Facility to the Company in order to recover recurring costs for meter reading, bill and credit calculations, and accounting and related matters. Services, other than those covered by the Basic Service Charge, which are requested by the Facility and provided by the Company will be billed at applicable rates. The Basic Service Charge is subject to Clause ETA – Electric Tax Adjustment.

All electricity used by the Facility shall be sold to the Facility, and the Facility shall pay for, electric service at the rate(s) on file with the Iowa Utilities Board for sales to other customers with similar load or other cost-related characteristics.

The billing for sales and billing for purchases of energy by the Facility shall be separately calculated. The resulting dollars for purchases and sales may be combined on the Facility monthly utility bills.

NET BILLING ARRANGEMENT

A Facility that selects Net Billing Arrangement shall satisfy the terms and conditions outlined in Rate NB – Net Billing of Small Alternate Energy Producers and Small Hydro Facilities **or Rate PG Pilot – Net Billing of Private Generation Facilities Pilot** in this tariff.

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~~2nd 4th~~-Revised Sheet No. ~~364 363~~-417
~~Canceling 1st Revised~~ Original Sheets No. ~~364 360~~-417

***RATE PG PILOT - NET BILLING OF PRIVATE GENERATION FACILITIES PILOT
(continued)***

RESERVED FOR FUTURE USE

AVAILABILITY (continued)

A Private Generation Facility means any of the following:

- An electric production facility which derives 75 percent or more of its energy input from solar, wind, waste management, resource recovery, refuse-derived fuel, agricultural crops or residues, or wood-burning;***
- A hydroelectric facility at a dam;***
- Cogeneration facility or a small power production facility that has a design capacity of 100 kilowatts or less and which has obtained qualifying status under 18 CFR Part 292, Subpart B;***
- Land, systems, buildings, or improvements that are located at the project site and are necessary or convenient to the construction, completion or operation of the facility; or***
- Transmission or distribution facilities necessary to conduct the energy produced to the purchasing utility.***

NET BILLING ARRANGEMENT

A Private Generation Facility that qualifies for a net billing arrangement shall satisfy each of the following requirements:

- Have one geographic location or point of service from the Company;***
- Have an aggregated nameplate capacity of 1 MW or less (up to 100 percent of the Customer's load); and***
- Generating capacity and associated energy is intended to serve only the electric requirements of the Customer.***

Customers with a Facility design capacity of over 1 MW may utilize this Net Billing Arrangement for up to 1 MW of design capacity of the Facility, and may request service under Rate AEP or Rate QF for the undesignated balance of the Facility's capacity. Customers with a Facility aggregate nameplate capacity over 1 MW may contract for a portion of their facilities up to 1 MW as net metered, described below.

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~~1st~~ Revised Sheet No. ~~365-363-417~~
2nd Revised Original Sheets No. ~~365-360-417~~

**RATE PG PILOT - NET BILLING OF PRIVATE GENERATION FACILITIES PILOT
(continued)**

RESERVED FOR FUTURE USE

NET BILLING ARRANGEMENT (continued)

The term of the contract between the Company and the Customer under Net Billing Arrangement shall be specified by the Customer in the contract but shall not exceed twenty (20) years. Such contracts may be assigned for collateral purposes, or may be assigned by the Company in conjunction with a reorganization, but otherwise shall not be assignable without written consent of the parties. Written consent will not be unreasonably withheld by the Company.

Standby and Supplementary Power Service is not required for Private Generation Facilities.

PRIVATE GENERATION FACILITIES WITH AGGREGATE NAMEPLATE CAPACITY OVER 1 MW

If a Customer's aggregate Private Generation Facility nameplate capacity at a location exceeds 1 MW, the Company shall install a meter capable of recording the Customer's total energy inflow and total energy outflow separately, the cost of which shall be billed to the Customer pursuant to a negotiated contract.

The Customer's total energy outflow shall be divided into separate "net metering" and "purchase" portions.

- The "net metering" portion shall be a prorated amount, calculated by applying the total energy outflow to a ratio of: 1 MW to the aggregate nameplate capacity at the location.*
- The remaining energy outflow shall be the "purchase" portion.*

Metered energy billed to the Customer shall be the total energy inflow less the "net metering" portion of total energy outflow for the same period and same location. Any "net metering" outflow kWh balances (Private Energy Credits) shall be carried forward to the next billing month until the annual cash-out or termination of service. The monthly "purchase" portion of total energy outflow shall be purchased by the Company under Rate AEP or Rate QF.

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~~1st~~ Revised Sheet No. ~~366-363-417~~
2nd Revised Original Sheets No. ~~366-360-417~~

**RATE PG PILOT - NET BILLING OF PRIVATE GENERATION FACILITIES PILOT
(continued)**

RESERVED FOR FUTURE USE

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METERING EQUIPMENT

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The Company will install and provide, at no additional cost to the Customer, metering equipment at the point of service to the Facility capable of:

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- Measuring and recording energy flows, on a kWh basis, from the Company to the Facility and from the Facility to the Company, with each direction energy flow recorded independently; and/or*
- Measuring power flows in each direction on an hourly or other real-time basis.*

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The Customer shall not be responsible for the costs of the metering equipment installed in accordance with this provision except:

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- To the extent that metering costs are reflected in the purchase rate applicable to its type or class of utility service; and*
- In the case of facilities with design capacity of 1 MW or greater, for metering equipment that may be installed pursuant to the terms of a negotiated contract.*



MIDAMERICAN ENERGY COMPANY
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~~1st~~ Revised Sheet No. ~~367-363-417~~
2nd ~~1st~~ Revised Original Sheets No. ~~367-360-417~~

**RATE PG PILOT - NET BILLING OF PRIVATE GENERATION FACILITIES PILOT
(continued)**

RESERVED FOR FUTURE USE

SALES AND PURCHASES

The Customer shall be responsible for payment of any applicable Basic Service Charge, Demand Charge or other applicable charges approved by the Iowa Utilities Board that are not collected on the basis of metered energy (kWh) registration.

For charges collected on the basis of metered energy (kWh) registration, the Company shall, for each monthly billing period, determine the net meter registration of the Facility by comparing the directional energy flow in each direction.

If the net meter registration shows that the deliveries of energy in kWh from the Facility to the Company exceed the deliveries of energy in kWh from the Company to the Facility, the net meter registration in kWh will be carried forward to the next monthly billing period as a Private Energy Credit, expressed in kWh, until the annual cash-out or termination of service. If the Customer has carried over a Private Energy Credit from one or more prior months, the net meter registration from the current month shall be added to the Private Energy Credit that exists from prior months, until the annual cash-out or termination of service.

If the net metering registration shows that deliveries of energy in kWh from the Company to the Facility exceed the deliveries of energy in kWh from the Facility to the Company, the Customer shall pay the Company for the net amount of energy delivered by the Company after application of any Private Energy Credit carried forward from previous months at the rate applicable to its type or class of electric service.

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MIDAMERICAN ENERGY COMPANY
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~~2nd 4th-Revised Sheet No. 371363-417~~
~~Canceling 1st Revised Original Sheets No. 371360-417~~

***RATE PG PILOT - NET BILLING OF PRIVATE GENERATION FACILITIES PILOT
(continued)***

RESERVED FOR FUTURE USE

CONTRACT TERMS AND CONDITIONS

The provisions of this Rate PG Pilot shall be deemed to be terms and conditions of the written contract entered into by the Company for deliveries of energy from Facilities to the Company and purchases of energy by Customers from the Company. A copy of this tariff will be provided to the Customer. Service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapters 15 and 45 and Section 7 of this tariff, "Electric Interconnections."

The Facility shall deliver electricity to the Company on a best-efforts basis during the contract term.

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.

The Customer shall be subject to the provisions of the Company's requirements for interconnection as the provisions exist and may change from time to time.

SUPPLYING INTERCONNECTION PLANS AND COMPANY APPROVAL

The Customer agrees to submit an interconnection plan not less than thirty (30) days prior to connection and for approval of the Company. The Facility and its interconnection plan are subject to written Company approval pursuant to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapters 15 and 45 and Section 7 of this tariff, "Electric Interconnections."

SUNSET PROVISION

This tariff will expire three (3) years from its effective date. If at the end of the three-year study period, the Board determines that these tariff changes should not be incorporated on a permanent basis, the Customers taking service under this tariff shall be allowed to remain on the tariff for the life of their interconnected equipment, not to exceed twenty (20) years. Notwithstanding any

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other provisions of this tariff, all rates and charges contained in this tariff may be modified at any time by a subsequent filing made pursuant to the provisions of Chapter 476 of the Code of Iowa.

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Issued: **August 31, 2016** ~~August 3, 2015~~
Issued by: **Rob Berntsen** ~~Naomi G. Czachura~~
Senior V.P. & General Counsel ~~Vice President~~

Effective: **January 1, 2017** ~~September 2, 2015~~



MIDAMERICAN ENERGY COMPANY
Electric Tariff No. 2
Filed with the Iowa Utilities Board

2nd ~~1st~~ Revised Sheet No. **372 - 417** ~~363 - 417~~
Canceling 1st Revised Original Sheets No. **363 - 417** ~~360 - 417~~

RESERVED FOR FUTURE USE

Issued: **August 31, 2016** ~~August 3, 2015~~
Issued by: **Rob Berntsen** ~~Naomi G. Czachura~~
Senior V.P. & General Counsel ~~Vice President~~

Effective: **January 1, 2017** ~~September 2, 2015~~



MIDAMERICAN ENERGY COMPANY
Electric Tariff No. 2
Filed with the Iowa Utilities Board

~~1st Revised Substitute Original Sheet No. 478~~
Canceling ~~Substitute~~ Original Sheet No. 478

RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE

AVAILABLE

To all nonresidential customers in all systems of the Company's electric service area having their own generation facilities provided the Company has sufficient capacity available in production, transmission, and distribution facilities to provide such service at the location where the service is requested.

APPLICABLE

Service under this rider is required for any Iowa electric nonresidential customer that:

- Has on-site parallel distributed generation systems with a capacity over 100 kW.
- Is normally supplied wholly or partially by a source of power other than the Company's electric system.
- Utilizes Company's electric system for Standby and/or Supplementary electric service at the customer's premises.
- Has Total Load that would result in electric service under one of the following Company's demand service tariffs:
 - General Service Rates.
 - Large General Service Rates.
 - Substation Service.
 - Individual Contract Rates.

This Rider is not required where:

- On-site generation is used only for emergency supply during times of utility outage.
- A customer takes service under **Rate Rider-NB - Net Billing of Small Alternate Energy Producers and Small Hydro Facilities** **or Rate PG Pilot – Net Billing of Private Generation Facilities Pilot.** T
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- A customer requires 100 kW or less of Standby Service and is taking service under the Company's:
 - Rate QF- Cogeneration and Small Power Production Facilities. T
 - Rate AEP- Alternate Energy Production Facilities. T