

# ELECTRIC TARIFFS

# IOWA





MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Tariff No. 1 Supersedes  
IIGE Tariff No. 1  
IIGE Schedule ERR-2  
And MWP Tariff No. 1

Original Title Sheet

---

MIDAMERICAN ENERGY COMPANY

ELECTRIC TARIFF NO. 1

FILED WITH

IOWA UTILITIES BOARD

NOVEMBER 9 , 1995

This tariff cancels the entire schedules formerly designated as:

Iowa-Illinois Gas and Electric Company  
Electric Tariff No. 1  
Schedule ERR-2

and

MidWest Power Systems Inc.  
Electric Tariff No. 1



## TABLE OF CONTENTS

	<u>Sheet Numbers</u>	
Table of Contents	1	
Communities Served	2	
Electric Service Policies		
Index	3	
Section I	4	
Section II	29	
Section III	39	
Section IV	57	
Section V	61	
<b>ALL PRICING ZONES</b>		
Rate		
NB: Net Billing	A-1	
QF: Cogeneration & Small Power Production Facilities	A-2	
Rider		
EF: Excess Facilities	B-1	
FP: Flexible Pricing	B-2	
CS: Curtailment Services	B-3	
ILR: Interruptible Load Replacement	B-4	
CR: Carbon Reduction Rider	B-5	
US: Unmetered Service	B-6	
Clauses		
Alternate Energy Producer (AEP) Cost Recovery Adjustment	C-1	
Electric Tax Adjustment	C-2	
Energy Efficiency Cost Recovery Adjustment	C-3	
Cooper Nuclear Station Capital Additions Tracker	C-4.20	
Renewable Advantage Program	C-5	
Local Government Compliance Clause	C-6	
Revenue Adjustment Clause	C-9	
<b>EAST SYSTEM</b>		
Index	E-1	
<b>RESIDENTIAL</b>		
<u>Rate No.</u>		
9	Residence Electric Service - Small Use	E-2
10	Residence Electric Service	E-3
11	Optional Time of Day Residence Electric Service	E-4
51	Controlled Water Heating Service	E-5

Issued: October 10, 2012  
 Issued by: Naomi G. Czachura  
 Vice President

Effective: November 9, 2012



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. 1.05  
Canceling Original Sheet No. 1.05

---

## TABLE OF CONTENTS

		<u>Sheet Numbers</u>	
COMMERCIAL/INDUSTRIAL			
<u>Rate No.</u>			
22	Commercial and Industrial Service	E-7	
42	Commercial and Industrial Service	E-8	
41	Large Industrial Electric Service (200 kW Minimum)	E-9	
53	Large Industrial Electric Service (10,000 kW Minimum)	E-10	
59	Day Ahead Hourly Pricing	E-11	N
LIGHTING SERVICES			
<u>Rate No.</u>			
43	Street Lighting	E-12	
46	Security Lighting	E-13	
45	Municipal General Light and Power Service	E-14	



---

## TABLE OF CONTENTS (Cont.)

	<u>Sheet Numbers</u>	
<b>East System (Cont.)</b>		
Replacement Power Contracts	E-16	
<u>Rider No.</u>		
3 Electric Space Heating	E-22	
4 Interruptible Power Service	E-23	
6 Allowance for Customer-Owned Transformers	E-25	
7 Residence Water Heating	E-26	
8 Auxiliary and Standby Electric Service	E-27	
9 Optional Commercial Time of Day Service	E-28	
12 Short Term Interruptible Energy Service	E-31	T
 <u>Rate No.</u>		
58 Alternate Energy Production Facilities	E-35	
 <b>NORTH SYSTEM</b>		
Index	N-1	
Electric Rate Application	N-2	
 <b>RESIDENTIAL</b>		
<u>Price Schedule</u>		
RBN Base Use	N-3	
RWN Base Use with Electric Water Heating	N-4	
RSN Electric Space Heating	N-5	
REN All Electric	N-6	
RAN All Electric Apartment	N-7	
RHN Apartment with Electric Space Heating	N-8	
RTN Time-of-Use	N-9	



## TABLE OF CONTENTS (Cont.)

	<u>Sheet Numbers</u>
<b>North System (Cont.)</b>	
<b>GENERAL SERVICE</b>	
<u>Price Schedule</u>	
GBN	Base - Energy Only Metering N-13
GEN	Electric Heat - Energy Only Metering N-14
GDN & ADN	Base - Demand Metered N-15
GPN & ARN	Base - Primary Metered N-16
GHN	Electric Heat - Demand Metered N-17
GUN	Time-of-Use - Secondary Voltage N-18
GTN	Time-of-Use - Primary Voltage N-19
GSN	Separately Metered Electric Space Heating N-20
GWN	Separately Metered Electric Water Heating N-21
 <b>LARGE GENERAL SERVICE</b>	
<u>Price Schedule</u>	
LLN & ALN	Base Use at Secondary Voltage N-23
LPN & APN	Base Use at Primary Voltage N-24
LEN	Large General Service with Electric Space Heating at Secondary Voltage N-25
LHN	Large General Service with Electric Space Heating at Primary Voltage N-26
LTN/LON	Time-of-Use at Secondary Voltage N-28
LVN/LRN	Time-of-Use at Primary Voltage N-29
LNP/LNO	Time-of-Use at Transmission Voltage N-30
LJD	Contract Power N-31
CJD	Contract Power N-32
CTE	Contract Power N-33
CAP	Contract Power N-34
 <b>LIGHTING SERVICE</b>	
Street - Area - Security - Customer Owned	N-38
 <b>PUBLIC AUTHORITY</b>	
ABN	Water Pumping N-41
ATN	Traffic Controls N-42



---

## TABLE OF CONTENTS (Cont.)

	<u>Sheet Numbers</u>
<b>North System (Cont.)</b>	
<u>Price Schedule</u> 24	Qualifying Alternate Energy Production N-45
<u>Rider No.</u> 12	Short Term Interruptible Energy Service N-45.90
<b>SOUTH SYSTEM</b>	
Index	S-1
Electric Rate Application	S-2
<b>RESIDENTIAL</b>	
<u>Price Schedule</u>	
RBS	Base Use S-3
RWS	Base Use with Electric Water Heating S-4
RSS	Electric Space Heating S-5
RES	All Electric S-6
RAS	All Electric Apartment S-7
RHS	Apartment with Electric Space Heating S-8
RTS	Time-of-Use S-9
<b>GENERAL SERVICE</b>	
<u>Price Schedule</u>	
GBS	Base - Energy Only Metering S-13
GES	Electric Heat - Energy Only Metering S-14
GDS & ADS	Base - Demand Metered S-15
GPS & ARS	Base - Primary Metered S-16
GHS	Electric Heat - Demand Metered S-17

D



---

## TABLE OF CONTENTS (Cont.)

	<u>Sheet Numbers</u>	
<b>South System (Cont.)</b>		
GENERAL SERVICE (Cont.)		
<u>Price Schedule</u>		
GUS	Time-of-Use - Secondary Voltage	S-18
GTS	Time-of-Use - Primary Voltage	S-19
LARGE GENERAL SERVICE		
<u>Price Schedule</u>		
LLS, LLC & ALS	Base Use at Secondary Voltage	S-23
LPS, LPC & APS	Base Use at Primary Voltage	S-24
LES	Large General Service with Electric Space Heating at Secondary Voltage	S-25
LHS	Large General Service with Electric Space Heating at Primary Voltage	S-26
LXS & AXS	Base Use at Transmission Voltage	S-27
LNS/LOS	Time-of-Use at Secondary Voltage	S-28
LVS/LRS	Time-of-Use at Primary Voltage	S-29
LXP/LXO	Time-of-Use at Transmission Voltage	S-30
LCL	Interruptible Time-of-Use at Primary Voltage for Iron Foundry	S-31
LIGHTING SERVICE		
Street - Area - Security - Customer Owned		S-38
PUBLIC AUTHORITY		
ABS	Water Pumping	S-41
ATS	Traffic Controls	S-42
<u>Rider No.</u>		
1	Electric General Service - Standby and Supplementary Service	S-45
12	Short Term Interruptible Energy Service	S-46.70

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. 1.50  
Canceling Sub. 2<sup>nd</sup> Revised Sheet No. 1.50

---

## TABLE OF CONTENTS (Cont.)

		<b><u>Sheet Numbers</u></b>
<b>South System (Cont.)</b>		
<u>Price Schedule</u>		
926	Contract Terms Offered for Purchase From Qualifying AEP/Small Hydro Facilities	S-49

D  
D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. 2  
 Canceling 1<sup>st</sup> Revised Sheet No. 2

<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>	<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>
Ackley	N		Barnum	E	
Ackworth	S		Bartlett	S	
Adel	S	W	Battle Creek	N	W
Afton		W	Bayard		W
Agency		E	Beacon	S	W
Akron		W	Bedford	S	
Algona		W	Beloit	N	
Alleman	S	W	Bentley	S	
Allison	N	W	Berwick	S	W
			Bettendorf	E	E
Altoona	S	W	Bevington	S	
Alvord	N	W	Blanchard	S	
Anderson	S		Blencoe	N	
Ankeny	S	W	Blue Grass	E	E
Aplington		W	Bode	N	
Arcadia	N		Bondurant	S	W
Archer	N	W	Booneville	S	
Aredale	N		Botna	N	
Arion	N		Bouton		W
Arthur	N	W	Bowsher	S	
Aspinwall	N		Boyden	N	W
Atalissa		E	Boyer	N	
Atkins		E	Braddyville	S	
Attica	S	W	Bradgate	N	
Audubon	N	W	Brayton	N	W
Aurelia		W	Bremer	N	
Austinville	N		Bristow	N	W
Avoca	S	W	Bronson	N	
Avon Lake	S	W	Brooks	S	
Ayrshire	N		Brunsville	N	
			Buck Grove	N	
Badger	E	E	Buffalo		E
Bagley		W	Bussey	S	W
Barnes City	S	W			

D

\*Communities: Electric (Red)  
 Gas (Blue)  
 Electric & Gas (Black)

\*\*Pricing Zone: North System (N) South System (S)  
 East System (E) West System (W)

Issued: April 13, 2009  
 Issued by: Naomi G. Czachura  
 Vice President

Effective: May 14, 2009



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. 2.10  
 Canceling Original Sheet No. 2.10

<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>	<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>
California Junction	S		College Springs	S	
Callender		E	Columbia	S	
Calumet	N	W	Coralville	E	E
Camanche	E		Corley	S	
Capitol Heights	S	W	Correctionville	N	
Carbon	S		Council Bluffs	S	
Carbondale	S		Craig	N	
Carlisle		W	Crescent	S	
Carmel	N		Cumming	S	W
Carnarvon	N		Cushing	N	
Carney	S	W	Cylinder	N	W
Carroll	N				
Carson	S	W	Dakota City	N	W
Castana	N		Dallas Center	S	W
Cedar	S	E	Danbury	N	W
Cedar Rapids		E	Davenport	E	E
Chapin	N	W	Dedham	N	
Charles City	N	W	Defiance	N	W
Charter Oak	N		Deloit	N	
Chatsworth	N		Denmark		W
Cherokee	N		Denver		W
Churchville	S		Des Moines	S	W
Clare	E		DeSoto	S	W
Clarinda	S		Dewar	N	W
Clarion	N	W	Dexter		W
Clarksville	N	W	Donnellson		W
Cleghorn	N	W	Doon	N	W
Climbing Hill	N		Dougherty	N	
Clive	S	W	Dow City	N	
Coalville		E	Dumont	N	W
Coburg	S		Duncombe	E	E
Coin	S		Dunkerton	N	W
Colfax	S	W	Dunlap	S	W
			Durant		E

\*Communities: Electric (Red)  
 Gas (Blue)  
 Electric & Gas (Black)

\*\*Pricing Zone: North System (N) South System (S)  
 East System (E) West System (W)

Issued: April 22, 2005  
 Issued by: James J. Howard  
 Vice President

Effective: May 27, 2005



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. 2.20  
 Canceling Original Sheet No. 2.20

<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>	<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>
Eagle Grove	N	W	Gilmore City	N	
Earlham	S	W	Glenwood	S	
Earling	N	W	Goldfield	N	W
Early	N	W	Granger	S	
Eddyville		E	Granville	N	W
Eldridge		E	Gravity	S	
Elk Horn	N	W	Gray	N	
Elk Run Heights	N	W	Grimes	S	W
Elkhart	S	W	Griswold	S	W
Elliott	S	W			
Ely		E	Halbur	N	
Emerson	S	W	Hamburg	S	
Emmetsburg	N		Hamilton	S	W
Essex	S	W	Hamlin	N	W
Evansdale	N	W	Hampton	N	W
Exira	N	W	Hancock	S	W
			Hansell	N	
Fairfax		E	Hardy	N	
Farragut	S	W	Hartford	S	W
Faulkner	N		Harvey	S	W
Fenton		W	Hastings	S	
Fern	N		Hedrick		E
Flagler	S		Henderson	S	W
Floyd	N	W	Hepburn	S	
Fort Dodge	E	E	Hiawatha		E
Fort Madison		W	Hills		E
Fremont		E	Hinton		W
			Holly Springs	N	
Galva	N	W	Holstein	N	W
Gaza	N		Hornick	N	
Geneva	N		Hospers	N	W
Germantown	N	W	Hudson		W
Gilbertville	N	W	Hull	N	W
			Humboldt	N	W

\*Communities: Electric (Red)  
 Gas (Blue)  
 Electric & Gas (Black)

\*\*Pricing Zone: North System (N) South System (S)  
 East System (E) West System (W)

Issued: April 22, 2005  
 Issued by: James J. Howard  
 Vice President

Effective: May 27, 2005



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. 2.30  
 Canceling 2<sup>nd</sup> Revised Sheet No. 2.30

<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>	<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>
Ida Grove	N	W	Larrabee	N	W
Imogene	S		Latimer	N	W
Independence		W	Lavinia	N	
Indianola		W	Lawton	N	W
Inwood	N	W	LeClaire	E	E
Iowa City	E	E	Leighton	S	W
Ireton	N		LeMars	N	W
Irwin	N	W	Lewis	S	
Jacksonville	N		Liberty Center	S	
Jamaica		W	Lidderdale	N	
James	N	W	Linden		W
Janesville	N	W	Little Sioux	S	
Jesup	N	W	Littleton	N	
Johnston	S	W	Logan	S	W
Jolley	N		Lohrville	N	W
Keomah Village	S	W	Lone Rock		W
Kesley	N	W	Long Grove		E
Kimballton		W	Loveland	S	
Kingsley	N	W	Lovilia	S	W
Kirkman	N		Lovington	S	
Kirkville	S		Luton	N	
Kiron	N		Luverne	N	
Knierim	N		Lytton	N	W
Knoke	N		Macedonia	S	W
Knoxville	S		Magnolia	S	
Lacey	S		Malvern	S	W
Lake City	N	W	Manson	E	E
Lakeside	N		Maple River	N	
Lanesboro	N		Marcus	N	W
			Marion		E
			Marne	S	W

T

\*Communities: Electric (Red)  
 Gas (Blue)  
 Electric & Gas (Black)

\*\*Pricing Zone: North System (N) South System (S)  
 East System (E) West System (W)



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. 2.40  
 Canceling Original Sheet No. 2.40

<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>	<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>
Martensdale	S	W	Newkirk	N	W
Marysville	S		Nodaway	S	
Maurice	N		North Liberty		E
McClelland	S		Northboro	S	
Melcher-Dallas	S	W	Norwalk	S	W
Meriden	N	W			
Merrill	N	W	Oakland	S	W
Middleburg	N		Odebolt	N	W
Milo	S	W	Oskaloosa	S	W
Minburn	S	W	Otho	E	E
Minden	S	W	Otley	S	
Mineola	S	W	Oto	N	
Mingo	S	W	Ottosen	N	
Missouri Valley	S	W	Ottumwa		E
Mitchellville	S	W	Oxford		E
Modale	S		Oyens	N	
Mondamin	S				
Monroe	S	W	Pacific Junction	S	W
Montpelier		E	Palmer	N	
Moorhead	N		Panama	N	
Moorland	E	E	Panora		W
Moscow		E	Panorama Park	E	E
Moville	N	W	Park View		E
Mt. Carmel	N		Parkersburg	N	W
			Patterson	S	
Nashua	N	W	Peoria	S	
Nemaha	N		Percival	S	
Neola		W	Perkins	N	
New Hartford	N	W	Perry		W
New Market	S		Pershing	S	W
New Sharon	S	W	Persia	S	W
Newell	N	W			

\*Communities: Electric (Red)  
 Gas (Blue)  
 Electric & Gas (Black)

\*\*Pricing Zone: North System (N) South System (S)  
 East System (E) West System (W)

Issued: April 22, 2005  
 Issued by: James J. Howard  
 Vice President

Effective: May 27, 2005



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. 2.50  
 Canceling Original Sheet No. 2.50

<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>	<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>
Pierson	N		Rockwell City	N	W
Pioneer	N		Rodney	N	
Pisgah	S		Roselle	N	
Plainfield	N	W	Ross	N	
Pleasant Hill	S	W	Runnels	S	W
Pleasant Valley		E	Ruthven	N	W
Pleasantville	S	W	Rutland	N	
Polk City	S	W			
Pomeroy	N		Sac City	N	
Ponderosa	S		Salix	N	W
Port Neal	N		Sandyville	S	
Portsmouth	S	W	Saylorville	S	W
Prairie City	S	W	Schaller	N	W
Princeton	E	E	Schleswig	N	
Prole	S		Seney	N	
			Sergeant Bluff		W
Quimby	N		Shambaugh	S	
			Sheffield	N	W
Randolph	S		Shelby		W
Raymond	N	W	Sheldon	N	W
Red Oak	S	W	Shell Rock	N	W
Red Rock	S		Shenandoah	S	W
Redfield		W	Shueyville		E
Richards	N		Sidney	S	
Ricketts	N		Silver City	S	W
Ringstead		W	Sioux City	N	W
Rising Sun	S	W	Sloan	N	W
River Sioux	S		Smithland	N	
Riverdale	E	E	Soldier	N	
Riverside		E	Solon		E
Riverton	S		Somers	N	
Robins		E	Spring Hill	S	W
Rock Valley	N	W	Stanton		W
Rockwell	N	W	St. Charles	S	W
			St. Joseph	N	
			St. Marys	S	W

\*Communities: Electric (Red)  
 Gas (Blue)  
 Electric & Gas (Black)

\*\*Pricing Zone: North System (N) South System (S)  
 East System (E) West System (W)

Issued: April 22, 2005  
 Issued by: James J. Howard  
 Vice President

Effective: May 27, 2005



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

Original Sheet No. 2.60

<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>	<u>Communities*</u>	<u>Electric Pricing Zone**</u>	<u>Gas Pricing Zone**</u>
Storm Lake	N		Varina	N	
Stout	N		Vincent	N	
Strahan	S		Voorhies	N	
Struble	N				
Stuart		W	Walcott		E
Sulphur Springs	N		Walnut	S	W
Summerset	S		Washburn	N	W
Sutherland	N	W	Washta	N	
Swan	S		Waterloo	N	W
Swisher		E	Waukee	S	
			Waverly		W
Tabor	S		Wesley		W
Taintor	S		West Des Moines	S	W
Templeton	N		West Liberty		E
Thor	N	W	West Point		W
Thurman	S		Weston	S	
Tiffin		E	Westphalia	N	
Tracy	S	W	Westside	N	
Treynor	S	W	Wever		W
Truesdale	N		Whiting	N	W
Turin	N		Willey	N	
Twin Lakes	N	W	Wilton		E
			Windsor Heights	S	W
Ulmer	N		Winterset		W
Underwood	S	W	Wright	S	
Union Mills	S				
University Heights	E	E	Yale		W
University Park	S	W	Yetter	N	
Urbandale	S	W	Yorktown	S	
Ute	N				
Vail	N				
Valeria	S				
Van Meter	S	W			

\*Communities: Electric (Red)  
 Gas (Blue)  
 Electric & Gas (Black)

\*\*Pricing Zone: North System (N) South System (S)  
 East System (E) West System (W)

Issued: April 22, 2005  
 Issued by: James J. Howard  
 Vice President

Effective: May 27, 2005



**INDEX**  
**ELECTRIC SERVICE POLICIES INDEX**

Sheet No.

**SECTION 1 - CUSTOMER SUPPORT POLICIES**

Application For Service	4
Turn On of Service	5
Deposits and Other Forms of Credit Assurance	6
Requested Turn Off of Service	8
Billing For Service	9
Preferred Due Date	10
Payment For Service	10
Budget Billing	11
Billing Adjustments (Due to Fast, Slow or Creeping Meter)	12
Billing Adjustments (Wastage or Accidental Ground)	12
Billing Adjustments (Other)	13
Disputed Bills	14
Standard Bill Forms	15
Customer Complaints	17
Meter Tests	18
Referee Tests	18
Diversion of Service	19
Late Payment Charges	20
Refusal or Disconnection of Service	21
Reconnection of Service	22
Disconnection for Delinquent Bills	23
When Refusal or Disconnection of Service is Prohibited	24
When Disconnection Will be Delayed	25
Payment Agreement (PA)	26
Returned Payments	28
Research For Customer	28

T

**SECTION 2 - GENERAL ELECTRIC POLICIES**

Normal Facilities Provided	29
Metering of Service	31
Ownership of Facilities	32
Company Equipment	33
Inspections	34
Irregularities and Interruption of Service	35
Protection of Customer Equipment	37
Use of Service by Customer	38



**INDEX**  
**ELECTRIC SERVICE POLICIES INDEX (Cont.)**

Sheet No.

**SECTION 3 – EXTENSIVE PLANT ADDITIONS, ELECTRICAL LINE EXTENSIONS  
AND SERVICE LINES**

Definitions	39
General Terms and Conditions	44
Extensive Plant Additions and Electrical Line Extension	47
Service Lines	50
Payments for Plant Additions	52
Refunds of Advances	56

**SECTION 4 - CHANGES TO EXISTING FACILITIES**

Conversion of Overhead to Underground or Upgrade Of Company Facilities	58
---	----

**SECTION 5 - ELECTRIC INTERCONNECTION OF DISTRIBUTED  
GENERATION FACILITIES**

	61	N
Appendix A - Level 1 Standard Application Form and Interconnection Agreement		N
Appendix B - Certificate of Completion		N
Appendix C - Levels 2 to 4: Standard Interconnection Request Application Form		N
Appendix D - Levels 2 to 4: Standard Interconnection Agreement		N
Appendix E - Interconnection Feasibility Study Agreement		N
Appendix F - Interconnection System Impact Study Agreement		N
Appendix G - Interconnection Facilities Study Agreement		N



## SECTION 1- CUSTOMER SUPPORT POLICIES

### Application for Service

**How to Apply**

Applications for service may be taken

- by phone.
- by mail.
- in person.

**What to Provide**

All new customers for service

- must provide information for a service application.
- may be required to provide proof of identity.
- may be required to provide proof of occupancy if the new customer proposes to reside in the premises.

**Outstanding Debt**

If, after a review of Company records, an outstanding debt is found in the customer's name, the customer

- must pay the outstanding debt.
- may be required to provide a deposit or other form of credit assurance.

The Company will consider at least a six-month payment agreement for the outstanding debt.

**Refusal of Service**

The Company may refuse to provide service to a customer under conditions specified in subsection "Refusal or Disconnection of Service" of this tariff.

**Minimum Rate Term**

Rates are normally established based on twelve months' application. Customers, having selected a rate adapted to the Customer's requirements, may not change to another rate within a twelve-month period unless:

- The character or conditions of the Customer's requirements change substantially and permanently, or
- A substantial change affecting the Customer's service is made in the Company's rate schedule.

N  
N  
N  
N  
N  
N  
N



---

## Turn On of Service

**Notice**                    The Company will use its best efforts to turn on service during normal working hours on the day requested by the customer providing the customer has given adequate notice.

---

**Charge for  
Turn On  
of Service**

<b>If turned on . . .</b>	<b>North/South System</b>	<b>East System</b>
during normal working hours	no charge	no charge
outside normal working hours	\$45.00 after hours \$60.00 Sun./Hol.	time and material charges

D

**Access to  
Premises**                    The customer requesting turn on of service is responsible for providing access to the premises.

---



---

## Deposits and Other Forms of Credit Assurance

**Requirements** The Company may request credit deposit or other form of credit assurance from any current or prospective customer.

Between April 1 and October 31, the Company may refuse or disconnect service with appropriate notice if the customer fails to provide credit assurance.

**Deposit and Credit Assurance Types** Types of credit assurance include:

- security deposit (cash, check, or money order)
- surety bond
- bank letter of credit
- third-party guarantee
- other assurance found acceptable by a Company representative.

**Amount** The amount of deposit or credit assurance will be based on one of the following:

- the highest one-month bill in the prior 12-month period at the premises to be served.
- the highest one month's projected use as determined by the Company.

**Bankruptcy** The amount and terms of deposit or credit assurance for a customer who files bankruptcy will be in accordance with Federal law (11 US Code, Section 366).

**Receipt of Deposit** Any person who pays a security deposit will be given an opportunity to choose "account credit" or "check" for deposit refunds and will be given a receipt of deposit.

A record of the deposit and depositor will be kept on file by the Company.

---



## Deposits and Other Forms of Credit Assurance, Continued

**Transfer to New Premises** If a customer transfers service to a new premises:

- the customer's existing deposit or other form of credit assurance will be transferred to the new account.
- the amount of deposit or other credit assurance required at the new premises will be determined and
  - any additional amount required will be requested or
  - any excess credit amount will be refunded.

**Review** Deposits and other credit assurances will be reviewed 12 months from the date first taken and annually thereafter in accordance with Sections 20.4(3) and (7) of the Iowa Administrative Code.

**Refunds Application** Deposits and other credit assurance will be refunded when the customer has a record of twelve consecutive months of prompt payment (which may be 11 timely payments and one automatic forgiveness of late payment).

Refunds of security deposits plus interest in accordance with Section 20.4(4) of the Iowa Administrative Code will be applied as follows:

<b>If</b>	<b>Then</b>
customer/depositor requests refund check	refund via check to depositor.
customer/depositor does not request refund check	apply refund to customer's bill
customer discontinues service	apply refund to final bill and issue check to depositor for any balance.
customer discontinues service at one premises and establishes service at new premises	transfer refund to customer's new account.



## Requested Turn Off of Service

**Notice** The Company will use its best efforts to turn off service during normal working hours on the day requested by the customer if the customer has given the Company at least two working days' notice.

<b>Charge For Turn Off of Service</b>	<b>If turned off . . .</b>	<b>North/South System</b>	<b>East System</b>
	during normal working hours	no charge	no charge
	outside normal working hours	\$45.00 after hours \$60.00 Sun./Hol.	time and material charges

**Special Contract** A customer who is provided service under a special contract is required to comply with the contract regarding turn off of service.

**Final Reading** For same day transfers, a turn-off meter reading obtained at the end of service for one account will be used for the beginning of service for the subsequent account.

Where a service gap exists, a turn-off meter reading obtained at the end of service for one account may be used for the beginning of service for the subsequent account with the new customer's consent. The new customer will be notified of the date the meter was read.

**Access to Meter** The customer requesting turn off of service is responsible for providing access to the meter.



---

## Billing For Service

**Bill Due Date** The Company will provide bills to all customers allowing a minimum of 20 days after the bill is rendered for timely payment.

**Meter Reads** Reading of meters used for customer billing will normally be scheduled monthly. Company may schedule reading of meters located in low customer density rural and suburban areas at bimonthly or quarterly intervals.

T  
N  
N

**Less Frequent Billing** Billings less frequent than monthly may be scheduled with Board approval.

**More Frequent Billing** Billings more frequent than monthly may be required from non-residential customers who are credit risks.

The more frequent billings will be for one month only unless approval is received from the Board.

**Estimated Bill** When the Company is unable to read the meter after reasonable effort, the Company will issue an estimated bill.

- Only in unusual cases or with customer consent shall more than three consecutive estimated bills be rendered.
- The customer will be notified when there have been 3 consecutive estimates and periodically thereafter.
- An actual meter reading by a Company representative is required once every 12 months.

**Customer Reads** The customer may supply meter readings, providing a Company representative reads the meter once every 12 months.

**Prorated Bill** The bill will be prorated on a daily basis if the billing period deviates more than 10 percent from the business days in the normal billing period.

---



## Preferred Due Date

### Availability

A preferred due date is available to:

- All residential customers.
- Non-residential customers with usage less than 3,000 kwh per month.
- Other customers at the Company's discretion.

### Due Date

The preferred due date:

- Must be requested by the customer
- May not extend into the next billing cycle
- Cannot be changed to a date later than 30 days after the preparation of the bill
- Will be no more than 15 days from the approximate date the customer receives monthly income.

T  
N  
T  
N  
N  
N

### Cancellation

The preferred due date may be cancelled:

- Upon customer request.
- After the 5th late payment in a 12-month period.

## Payment for Service

### Options

Bill-paying options include:

- At a Company office.
- Through U. S. mail.
- At an authorized paystation or drop box.
- Through automatic withdrawal from the customer's savings and/or checking account.
- Electronic payment.
- Credit and debit card.

N  
N

Other options may be offered as they become available.



## Budget Billing

<b>Availability</b>	Budget billing is available to: <ul style="list-style-type: none"><li>• all residential customers</li><li>• non-residential customers with usage less than 3,000 kWh per month</li><li>• other customers at the Company's discretion.</li></ul>
<b>Entry to Plan</b>	The customer may begin budget billing at any time.
<b>Amount</b>	The monthly budget billing amount will be 1/12 of the projected cost for the next 12 months.
<b>Late and Delinquent Payments</b>	Regardless of the budget billing account balance, a late budget bill is subject to the "Late Payment Charges" provisions of this Tariff. Any late payment charges will be applied to the budget amount.  For delinquent budget billing accounts where there is a: <ul style="list-style-type: none"><li>• debit balance, or balance due the Company, the delinquency in payment is subject to the provisions of "Refusal or Disconnection of Service" and "Disconnection for Delinquent Bills" sections of this Tariff.</li><li>• credit balance, or balance due the customer, budget billing may be terminated 30 days after the budget bill becomes delinquent.</li></ul>
<b>Periodic Adjustment</b>	The monthly budget billing amount shall be recomputed annually and may be recomputed: <ul style="list-style-type: none"><li>• when requested by the customer or</li><li>• when changes in price and/or consumption results in an estimate that differs by 10 percent or more from the budget amount.</li></ul>
<b>Customer Notification</b>	The customer will be notified of any changes in the budget amount at least one full billing period before the due date for the new budget amount. The notice may accompany the bill prior to the bill that is affected by the revised budget amount.

D

T  
D

T



## Budget Billing (continued)

**Budget Computation Method**

The monthly budget payment for Budget Billing Plan customers is derived by estimating a customer's usage for the next 12-month period and dividing that amount by 12. The estimation method uses a 24-month history at the premises in question as well as other factors, such as weather and prices. The budget bill amount for new premises is estimated based on tariff rate code and geographic location.

N  
N  
N  
N  
N  
N

Budgets are reviewed periodically and annually. At the customer's annual review, the budget bill amount changes regardless of the amount of change.

N  
N  
N

**Budget Account Balance**

The budget account balance at the annual review will be handled as follows:

T

If	Then
Debit balance	<ul style="list-style-type: none"> <li>• Spread balance evenly over next 12 months and include in budget billing payments.</li> <li>• When requested, apply the debit balance to the next bill.</li> </ul>
Credit balance	<ul style="list-style-type: none"> <li>• spread balance evenly over next 12 months and include in budget billing payments, or</li> <li>• when requested, refund by application to the next bill(s), or</li> <li>• when requested, direct refund of credit balances exceeding \$25.</li> </ul>

**Cancellation**

Budget billing may be cancelled

- upon customer request.
- when service is cancelled.
- for failure to pay.

For balances owed the Company, the customer may be required to pay the amount owed before termination.

For credit balances, the customer shall have the option to:

- request application of credit balance to the next bill(s)
- request a direct refund of credit balance.



---

## Billing Adjustments (Due to Fast, Slow or Creeping Meter)

---

**Code** Billing adjustments for over-registration or under-registration will be made in accordance with Section 20.4(14) of the Iowa Administrative Code.

---

**Reasons for Adjustment** Billing adjustments will be made if a meter that is fast is determined to be in error more than 2% (1.5% for demand meters).  
Billing adjustments may be made if a meter that is slow or creeping is determined to be in error more than 2%.

---

**Refund Adjustment** Unless otherwise ordered by the Board, overcharges will be refunded from the time the problem began (if known) or the lesser of:

- 1/2 the time since the meter installation or
- 1/2 the time since the last meter test.

The period of adjustment shall not exceed five years.

---

**Minimum Refund** If the recalculated bills indicate that \$5 or more is due an existing customer or \$10 or more is due a person no longer a customer of the Company, the refund shall be the full amount of the calculated difference between the amount paid and the recalculated amount. Refunds shall be made to the two most recent customers who received service through the metering installation during the time the error existed. In the case of a previous customer who is no longer a customer of the Company, a notice of the amount subject to refund shall be mailed to such previous customer at the last-known address, and the Company shall upon demand made within three months thereafter refund the same.  
Refunds shall be completed within six months following the date of the meter installation test.

---

**Backbill Adjustment** Unless otherwise ordered by the Board, undercharges will be backbilled from the time the problem began (if known) or the lesser of:

- 1/2 the time since the meter installation or
- 1/2 the time since the last meter test.

The period of adjustment shall not exceed six months.

---

**Minimum Back Bill** An existing customer may be backbilled if the customer was underbilled \$500 or more.

---

T

---

## Billing Adjustments (Wastage or Accidental Ground)

---

**Adjustment** No billing adjustment will be made for customer wastage or accidental ground.

---

**Company Assistance** The Company will provide assistance to any customer who has abnormally high usage by:

- discussing readily identifiable patterns of usage.
- Suggesting an energy audit.
- Identifying sources of conservation information and financial assistance that may be available to the customer.

---



---

## Billing Adjustments (Other)

---

**Code** Billing adjustments will be made in accordance with Section 20.4(14) of the Iowa Administrative Code.

---

**Reasons for Adjustment** Billing adjustments may be made for incorrect:

- Reading of the meter.
- Application of rate schedule.
- Connection of the metering installation.
- Meter multiplier.

Billing adjustments may be made for other similar reasons.

---

**Refund Adjustment** The time period for which the Company is required to adjust, refund, or credit the customer's bill shall not exceed five years unless otherwise ordered by the Board.

---

**Backbill Adjustment** The time period for which the Company may adjust for the undercharge shall not exceed six months unless otherwise ordered by the Board. The maximum back bill shall not exceed the dollar amount equivalent to the tariffed rate for like charges in the six months preceding discovery of the error unless otherwise ordered by the Board.

C

C

**Minimum Back Bill** An existing customer may be backbilled if the customer was underbilled \$500 or more; however the Company may backbill for a lesser amount in the case of incorrect meter reading when the error is discovered as a result of Company meter reading.

---

**Interest** No interest will be charged on backbills or paid on refunds.

---



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. 14

---

## Disputed Bills

---

**Undisputed  
Portion**

The customer disputing a bill will be required to pay any undisputed portion of the bill while negotiations are in progress.

---

**Credit Action**

Credit action for non-payment of the disputed portion of the bill will be delayed, up to 45 days, to allow for resolution of the dispute.

Additional extensions will be handled in accordance with Section 20.4(15) of the Iowa Administrative Code.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. 15  
 Canceling 5<sup>th</sup> Revised No. 15

## STANDARD BILL FORM

		<table border="1"> <thead> <tr> <th>ACCOUNT NUMBER</th> <th>DUE DATE</th> <th>AMOUNT DUE</th> </tr> </thead> <tbody> <tr> <td>11234-56789</td> <td>Oct 15, 2009</td> <td>\$35.43</td> </tr> </tbody> </table>	ACCOUNT NUMBER	DUE DATE	AMOUNT DUE	11234-56789	Oct 15, 2009	\$35.43						
ACCOUNT NUMBER	DUE DATE	AMOUNT DUE												
11234-56789	Oct 15, 2009	\$35.43												
Customer Service: 1-888-427-5632 PO Box 8020 Davenport IA 52808-8020 www.midamericanenergy.com		Service Address: JOHN DOE 999 MAIN ST IA 12345 Date: 09/23/09												
<b>ACCOUNT SUMMARY</b>														
		<table border="1"> <thead> <tr> <th>LAST BILL AMOUNT</th> <th>PAYMENTS RECEIVED</th> <th>AMOUNT DUE</th> </tr> </thead> <tbody> <tr> <td>\$47.30</td> <td>\$47.30</td> <td>\$35.43</td> </tr> </tbody> </table>	LAST BILL AMOUNT	PAYMENTS RECEIVED	AMOUNT DUE	\$47.30	\$47.30	\$35.43						
LAST BILL AMOUNT	PAYMENTS RECEIVED	AMOUNT DUE												
\$47.30	\$47.30	\$35.43												
If payment is received after Oct 15, 2009, a late payment charge of \$0.54 will be assessed on your next bill.														
<b>ELECTRIC CHARGES</b>														
Meter No: S99999999	Rate: RBS Residential Summer Company Reading 09/23/09 2289 Company Reading 08/27/09 2162 Total kWh 127	08/27/09 to 09/23/09 27 billing days 90.0% Prorate Basic Service Charge 7.65 Energy Charge 127 x 0.08284 10.52 1.00 % Local Option Tax 0.18 <b>Total \$18.35</b>												
<b>GAS CHARGES</b>														
Meter No: A33333333	Rate: SVF Residential Company Reading 09/23/09 660 Company Reading 08/27/09 645 Total ccf 15 15 ccf x 0.988 pressure x 1.012 BTU factor = 15 therms	08/27/09 to 09/23/09 27 billing days 90.0% Prorate Basic Service Charge 9.00 Delivery Charge 15 x 0.20994 3.15 Pipeline Transport Charge 15 x 0.07283 1.09 Gas Supply Charge 15 x 0.24441 3.67 1.00 % Local Option Tax 0.17 <b>Total \$17.08</b>												
<b>MESSAGE CENTER</b>														
Your next scheduled read date is Oct 22, 2009.		Meter Read Group 17												
If you have a question regarding your bill, service or another issue, please call us toll free at 1-888-427-5632. Customer service associates are available 24 hours a day, seven days a week to help you. If you prefer to conduct business electronically, various online customer services are available at www.midamericanenergy.com. You may view tariff and rate schedule information on our Web site or at any of our customer office locations. Customers using a TDD can reach us at 1-800-747-0593. If MidAmerican does not resolve your complaint, you may request assistance from the Iowa Utilities Board by calling 515-281-3839 or the toll-free number, 1-877-565-4450, writing to 350 Maple Street, Des Moines, Iowa 50319, or sending an e-mail to iubcustomer@iub.state.ia.us.														
Keep Send	If payment is received after Oct 15, 2009, a late payment charge of \$0.54 will be assessed on your next bill.	Page 1 of 2												
		<table border="1"> <thead> <tr> <th>ACCOUNT NUMBER</th> <th>DUE DATE</th> <th>AMOUNT DUE</th> </tr> </thead> <tbody> <tr> <td>11234-56789</td> <td>Oct 15, 2009</td> <td>\$35.43</td> </tr> </tbody> </table>	ACCOUNT NUMBER	DUE DATE	AMOUNT DUE	11234-56789	Oct 15, 2009	\$35.43						
ACCOUNT NUMBER	DUE DATE	AMOUNT DUE												
11234-56789	Oct 15, 2009	\$35.43												
I want to contribute to Renewable Advantage														
<table> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Other Amount</td> </tr> <tr> <td>\$2.50</td> <td>\$5</td> <td>\$10</td> <td></td> </tr> <tr> <td>Monthly <input type="checkbox"/></td> <td>One Time <input type="checkbox"/></td> <td></td> <td></td> </tr> </table>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other Amount	\$2.50	\$5	\$10		Monthly <input type="checkbox"/>	One Time <input type="checkbox"/>		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other Amount											
\$2.50	\$5	\$10												
Monthly <input type="checkbox"/>	One Time <input type="checkbox"/>													
*****SCH 5-DIGIT 50001 JOHN DOE 999 MAIN ST %JOE DOAKS P O BOX 123 KNOXVILLE IA 50138-1553		<b>MidAmerican Energy Company</b> PO Box 8020 Davenport IA 52808-8020 <small>17 11 05</small>												
														
0100112345678990000000354300000003597000000000001														

Issued: November 13, 2009  
 Issued by: Naomi Czachura  
 Vice President

Effective: December 15, 2009



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. 15.05  
Canceling 4<sup>th</sup> Revised Sheet No. 15.05

ACCOUNT NUMBER	DUE DATE	AMOUNT DUE
11234-56789	Oct 15, 2009	\$35.43

Service Address: JOHN DOE  
999 MAIN ST  
IA 12345

Date: 09/23/09

Customer Service: 1-888-427-5632  
PO Box 8020 Davenport IA 52808-8020  
www.midamericanenergy.com

**USAGE PROFILE**

ELECTRIC USAGE PROFILE				
PERIOD	DAYS	AVG COST PER DAY	AVG USE PER DAY	AVG TEMP
09/2009	27	\$0.67	4.70 kWh	68
09/2008	30	\$0.77	5.80 kWh	66

GAS USAGE PROFILE				
PERIOD	DAYS	AVG COST PER DAY	AVG USE PER DAY	AVG TEMP
09/2009	27	\$0.63	0.56 Th	68
09/2008	30	\$0.97	0.63 Th	66

Log into your Web account at [www.midamericanenergy.com](http://www.midamericanenergy.com) to view and download additional usage information. If you don't have a Web account, simply set one up as a new user.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2nd Revised Sheet No. 15.10  
Canceling First Revised Sheet No. 15.10

---

Reserved for future use.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3rd Revised Sheet No. 16  
Canceling 2nd Revised Sheet No. 16

---

T

Reserved for future use.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

First Revised Sheet No. 16.01  
Canceling Original Sheet No. 16.01

---

**RESERVED FOR FUTURE USE**



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Second Revised Sheet No. 16.05  
Canceling First Revised Sheet No. 16.05

---

T

Reserved for future use.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Ninth Revised Sheet No. 16.10  
Canceling 8th Revised Sheet No. 16.10

---

RESERVED FOR FUTURE USE.



---

## Customer Complaints

### Steps to Resolve

Following are the steps the Company will follow when a customer inquiry is received.

Step	If	Then
1	Customer inquiry is received	Resolve at initial point of contact, if possible.
2	Unresolved by Step 1	<ul style="list-style-type: none"><li>• Note on customer's account.</li><li>• Forward inquiry to appropriate management employee or department with authority to take appropriate action.</li></ul>
3	Unresolved by Step 2	Name, address and phone number of the Iowa Utilities Board are made available.

### Customer Rights

The Company will notify customers annually of their right and how to contact the Iowa Utilities Board.

---



---

## Meter Tests

---

**Customer Requested** The Company will test meters at the customer's request, unless the meter has been tested within the preceding 18 months. The customer or their representative can be present for the test.

---

**Notification of Results** A written report of the results will be mailed within 10 days. Billing adjustments or refunds will be made in accordance with the Billing Adjustments provisions of this tariff and Section 20.4(14) of the Iowa Administrative Code.

---

**Charge** A \$25 charge or the actual costs of the test, whichever is less, may be assessed in accordance with Section 20.6(5) of the Iowa Administrative Code.

---

## Referee Tests

---

**Referee Test Defined** A meter accuracy test which is conducted and supervised by the Board.

---

**Request** A request for a referee test must be made in writing to the Board and must be accompanied by a deposit (\$30 check or money order). The check or money order must be made payable to the Company. The deposit will be forwarded by the Board to the Company.

Referee tests will not be performed more than once every 18 months.

---

**Schedule** The Board will notify the Company of the referee test within five days. The Company will not remove or adjust the meter and will schedule the test with the customer and Board within 30 days.

---

**Notification of Results** The Board will issue a report within 15 days to all parties. If the meter is not accurate within +/- 2%, the Company will return the deposit.

---



---

## Diversion of Service

---

**Types**                    Diversion of Service: unauthorized bypass of or tampering with Company equipment with the intent to steal or benefits from unmetered utility service.

Unauthorized Use: when a person or premises receives benefit of metered utility service without the consent of the Company.

---

**Disconnection**        Service is subject to immediate disconnection without notice.

---

**Resuming Service**        Service will not be resumed until all required payments have been paid. Credit assurance may be required.

---

**Required Payments**        Bills that must be paid to resume service may include:

- Backbilling of estimated cost of electricity not recorded on the meter for the entire time period of diversion.
- Backbilling of estimated cost of unauthorized use.
- Investigation and backbilling expenses.
- Collection and court costs.
- Costs incurred to repair or replace Company equipment.
- Costs incurred to tamper-proof the equipment, including costs to relocate an inside meter to the outside of the building.
- Reconnection charge.

---

**Documentation**        The diversion of service will be documented on the customer's account and criminal action may follow.

---



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. 20  
Canceling 1<sup>st</sup> Revised Sheet No. 20

---

## Late Payment Charges

---

**Code** Late payment charges will be assessed in accordance with Section 20.4(12) of the Iowa Administrative Code.

---

**Timely Payment** Payments will be considered timely if paid on or before the due date of the bill.

---

**Charge** 1.5% monthly on the unpaid balance.

---

**Forgiveness** One forgiveness of the late payment charge per account will be granted per calendar year.

The customer will be notified on the bill when the forgiveness has been granted.

---

D  
D



## Refusal or Disconnection of Service

### Without Notice

The Company may refuse or disconnect service without notice for the following reasons:

- A condition on the customer's premises, determined by the Company to be hazardous.
- Customer use of equipment in a manner that adversely affects the Company's equipment or utility service to others.
- Tampering with Company equipment. A broken or absent meter seal alone shall not constitute tampering.
- Diversion, unauthorized, or fraudulent use of service.

### With Notice

The Company may refuse or disconnect service with appropriate notice for the following reasons:

- Violation of or non-compliance with Company rules on file with the Board.
- Failure of the customer to furnish
  - Service equipment.
  - Permits
  - Certificates
  - Rights-of-way.
- Failure to fulfill a contractual obligation imposed as a condition of obtaining service by any contract filed with and subject to the regulatory authority of the Iowa Utilities Board.
- Failure to permit reasonable access to Company equipment.
- Failure to pay a bill for utility service. \*
- Failure to provide credit assurance required by the Company. \*
- Failure to comply with the terms of a payment agreement.
- If the individual requesting service is either not creditworthy or not able to satisfy deposit requirements and permanently resided at the premises during the time a bill at the premises became delinquent.

D  
N  
N  
N

\* Exceptions: See subsection "When Refusal or Disconnection of Service is Prohibited."



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

First Revised Sheet No. 22  
 Canceling Original Sheet No. 22

## Reconnection of Service

**Timing of Reconnection**

If a payment or other arrangement is made by 7 p.m., all reasonable efforts shall be made to reconnect service that day. If a payment or other arrangement is made after 7 p.m., all reasonable efforts shall be made to reconnect service not later than 11 a.m. the next day.

N  
|  
|  
N

**Reconnection Charge**

Charge	North/South System	East System
Per reconnection	\$30.00 work hours \$45.00 after hours \$60.00 Sun./Hol.	\$14.00



---

## Disconnection for Delinquent Bills

---

**Disconnection** The Company may disconnect service and/or remove the meter for non-payment of a bill for electric service provided the Company has met all other requirements of the Iowa Administrative Code.

---

**Notice of Disconnection** The Company will give the customer at least 12 days' written notice and provide a summary of the rights and responsibilities available before disconnection occurs in accordance with Section 20.4(15) of 199 Iowa Administrative Code. If the residential customer has a payment agreement and the customer fails to make payment by the due date or within the grace period if applicable (Section 20.4(11)"c"(1)"4"), the Company may disconnect upon one day's notice unless all the money the customer owes is paid or the customer is eligible for and enters into another payment agreement.

T  
C  
C  
C  
C  
C

**Customer Contact** If a residential customer fails to respond to the written notice before the due date, the Company will make a diligent attempt to contact the customer prior to disconnection of electric service.

---

**Reconnection Charge** Before service will be reconnected, a service reconnection charge must be paid.

---

**Company Reconnection after Disconnection** If a disconnected customer makes payment or other arrangements

- Before 7 p.m., the utility will make all reasonable efforts to reconnect the customer the same day
- After 7 p.m., all reasonable efforts shall be made to reconnect the customer before 11 a.m. the next day.

---

**Posting of Notice** During the period from November 1 through April 1, a notice informing the customer of the pending disconnection and rights and responsibilities available to avoid disconnection will be posted at the premises at least one day prior to disconnection if:

- The Company is unable to contact the customer by phone or in person, or
- It is known that the occupant of the premises is not the customer of record.

---

T  
N  
N



---

## Disconnection for Delinquent Bills (continued)

---

### Rental Units

If an attempt at personal or telephone contact of a customer occupying a rental unit has been unsuccessful, the landlord of the rental unit, if known, shall be contacted to determine if the customer is still in occupancy and, if so, the customer's present location. The landlord shall also be informed of the date when service may be disconnected. The landlord/owner of the rental unit is responsible for notifying the Company of ownership.

C/D

If the disconnection will affect the occupants of a rental unit leased from the customer, the Company will post the premises, at least two days prior to disconnection, with a notice informing any occupants of the date and reasons for disconnection.

C  
D  
C  
D

---

### Third Party Notification

With written authorization by the customer, a specified third party may receive a copy of the customer's disconnection notice.

---



## When Refusal or Disconnection of Service is Prohibited

### Insufficient Causes

The following shall NOT constitute sufficient cause for refusal of service to a prospective customer or disconnection of service to a present customer.

### Residential

- If a creditworthy applicant for service is able to satisfy any deposit requirements and did not permanently reside at the premises during the time a bill at the premises became delinquent.
- Failure to pay for:
  - Merchandise purchased from the Company.
  - Backbilling as addressed in subsection "Billing Adjustments."
  - A different type or class of utility service.
  - The bill of another customer as guarantor.
- From November 1 through April 1:
  - If the customer has been approved for energy assistance.
  - For failure to pay a deposit or provide credit assurance for the location at which the customer has been receiving service.
- If MidAmerican is notified that one of the heads of household is a service member deployed for military service, disconnection shall not take place during
  - Deployment, or
  - Prior to 90 days after the end of deployment.
 The customer remains responsible for payment of all utility charges associated with the premises.

N  
|  
|  
|  
|  
N



---

## When Refusal or Disconnection of Service is Prohibited (Cont.)

**Non-Residential**

- 
- Delinquency in payment for service by a previous occupant of the premises to be served.
  - Failure to pay for:
    - Merchandise purchased from the Company.
    - Backbilling as addressed in subsection "Billing Adjustments."
    - A different type or class of utility service.
    - The bill of another customer as guarantor.
- 

L



---

## When Disconnection Will Be Delayed

---

### Residential

Service to a residential customer will not be disconnected:

- During a weekend or holiday or between the hours of 2 p.m. and 6 a.m.
- If the accuracy of the customer's bill is in dispute and the customer pays the undisputed portion under the provisions of "Disputed Bills" section of this Tariff.
- For 30 days from the date the Company receives a written verification from a physician or public health official that states all of the following:
  - disconnection of service would present an especial danger to the health of any permanent resident at the premises
  - the name of the person endangered
  - a statement indicating the person endangered is a permanent resident at the premises
  - the nature of the health danger
  - the approximate length of time that the danger will continue
  - the name, business address, and telephone number of the physician or public health official providing the written verification.
- For 24 hours if the National Weather Service forecast for the next 24 hours includes a forecasted temperature of 20° Fahrenheit or lower in the area where the residence is located.
- For 30 days if the Company is informed that a household may qualify for winter energy assistance or weatherization funds.

D  
N  
D

---

### Non-residential

Service to a non-residential customer will not be disconnected:

- During a weekend or holiday or between the hours of 2 p.m. and 6 a.m.
- If the accuracy of the customer's bill is in dispute and the customer pays the undisputed portion under the "Disputed Bills" section of this Tariff.



---

## Payment Agreement (PA)

T

- Applicable**
- When a residential customer cannot pay a past due bill in full, or
  - When a residential customer has an outstanding debt for utility service, and
  - When the customer is not in default of a payment agreement.

**Offer** The Company will offer a customer an opportunity to enter into a reasonable agreement to bring an account to a current status by paying specific amounts at scheduled times plus the current monthly bill.

The customer will be allowed one late payment if it is received four days or less past the due date.

C  
C

**Reasonable PA** A reasonable payment agreement will consider:

D

- Current household income
- Ability to pay
- Payment history
- Size of the bill
- How long and why the bill has been outstanding
- Special circumstances creating extreme hardships

**Confirmation** Confirmation of financial difficulty may be required through state or local agencies.

**Payment Period** The customer will be offered the option of spreading payments evenly over the following minimum time periods.

Customer	Minimum Time Period
Current Customer	12-month period
Customer who has been disconnected for 120 days or less	12-month period
Customer who has been disconnected for more than 120 days	6-month period

The Company and the customer may agree to a shorter time period.

---



---

## Payment Agreement (PA), Continued

---

C

**Default of PA** The Company shall offer a second PA for a customer who is in default of a first PA if the customer has made at least two consecutive full payments under the first payment agreement.

C  
C  
D

The second PA

- Shall be the same term or longer than the first PA
- Shall require the customer to pay for both
  - Current Service
  - Monthly payments under the second PA
- As a condition of entering into a second PA, the customer may be required to make the first payment up-front

C  
C  
C  
C  
C  
C

---

**Budget Billing** The Company may require the customer to enter into budget billing to pay the current bill under the first and/or second PA.

D  
C

---

**Refusal** If a customer is refused a payment agreement, a written reason for the refusal will be provided in accordance with Section 20.4(11)d of 199 Iowa Administrative Code.

---

**Agreements** The Company shall provide a signed copy of the agreement when the customer makes the agreement in person.

The Company shall render a written document to the customer within three days of making an agreement over the telephone or through electronic transmission. The document shall be considered rendered when deposited in the U.S. mail with postage prepaid. If delivery is by other than U.S. mail, the document shall be considered rendered to the customer when delivered to the last-known address of the person responsible for payment for the service. The written document will state:

C

- the terms and conditions of the agreement;
- the address and a toll-free number to reach a qualified representative;
- that unless the customer notifies the Company within ten days, the customer accepts the terms.

By making the first payment, the customer confirms acceptance of the terms of the agreement.



## Returned Payments

### Charge

If the customer's payment is not honored by a financial institution, the following charge will be assessed:

Charge	North/South System	East System
Per occurrence	\$11.00	\$5.00

### Payment Requirement

If the customer has a calendar year history of returned payments, payment by cash, cashiers check, certified check or money order may be required.

This requirement will not extend beyond 18 months.

## Research for Customer

### Billing Information

The Company will provide the customer with the customer's own billing information for the prior 24-month period at no charge.

T

### Extensive Research

A request for more extensive research, special handling, special bill preparation, or billing delivery methods other than delivery via standard U.S. Mail or standard e-bill, may require reimbursement to the Company for time and materials associated with such requests.

T  
T  
T  
T



## SECTION 2 - GENERAL ELECTRIC POLICIES

### Normal Facilities Provided

**General**

A normal installation will be in accordance with the Extensions of Distribution Lines and Services section of this tariff and will be:

N  
N

Type of Customer	Normal Installation
Residential	One single-phase service per single family or duplex property.
Commercial/Industrial	One service per structure at one standard voltage.
Multiple-unit Dwelling and Pre-manufactured Home Parks	One service per clustered meter setting at one standard voltage.

D

Any additional service provided to isolated and distinct residential customer facilities will be installed as excess facilities at customer expense and will be separately metered and billed at the applicable tariff rate for the additional facility.

N  
N  
N

**Type of Service**

The type of service available depends on

- Location, and
- Character and size of the customer's load.

It is the customer's responsibility to contact the Company prior to design of the customer's electrical system to determine the type of service available at any specific location.

The customer should be aware that not all voltages are available at all locations.



---

## Normal Facilities Provided, Continued

### Standard Types of Service

The standard types of service offered within the Company's service territory are listed below. All are 60 Hertz alternating current.

Voltage	Wire	Phase
120-volt	Two-wire	Single-phase
120/240 volt	Three-wire	Single-phase
120/208 volt	Three-wire	Single-phase
120/208 volt	Four-wire	Three-phase
120/240 volt*	Four-wire	Three-phase
277/480 volt	Four-wire	Three-phase

\* Available only in overhead areas.

Service at other voltages may be available for approved loads in certain areas.

---

### Detailed Description

For a detailed description of various typical service installations, refer to the Electric Service Manual.

---

### Excess Facilities

The Company will install facilities adequate to meet the customer's anticipated load as a normal installation.

If the customer desires facilities in excess of a normal installation, the customer must contact the Company to determine availability and possible charges.



## Metering of Service

### Metered Basis

All sales of electric service will be on a metered basis.

Exceptions:

- Where specifically allowed within a rate class.
- Where impractical and the amount of service used may be reasonably computed without metering.

T

### “Master Meter” defined

“Master meter” means a single meter used in determining the amount of electricity provided to a multioccupancy building or multiple buildings.

N  
|  
N

### Multioccupancy Premises

The amount of all electricity delivered to multioccupancy premises within a single building, where units are separately rented or owned, shall be measured on the basis of individual meter measurement for each unit.

N  
|  
|  
N

Exceptions:

- Electricity used in centralized heating, cooling, water heating, ventilation or common-area lighting systems.
- In facilities designated for elderly or handicapped persons.
- Where submetering or resale or service was permitted prior to 1966.
- Where individual metering is impractical.

T  
T/  
N  
T  
T



---

## Metering of Service (continued)

---

**“Impractical”  
Defined**

“Impractical” means:

- Where conditions or structural barriers exist in the multioccupancy building that would make individual meters unsafe or physically impossible to install.
- Where the cost of providing individual metering exceeds the long-term benefits of individual metering.
- Where the benefits of individual metering (reduced and controlled energy consumption) are more effectively accomplished through a master meter arrangement.

N  
|  
|  
|  
N

**Multiple  
Buildings**

If a multioccupancy building is master-metered, the end user occupants may be charged for electricity as an unidentified portion of the rent, condominium fee, or similar payment, or, if some other method of allocating the cost of the electric service is used, the total charge for electric service shall not exceed the total electric bill charged by the Company for the same period.

Master metering to multiple buildings is prohibited, except for multiple buildings owned by the same person or entity. Multioccupancy premises within a multiple building complex may be master metered pursuant to this paragraph only if the above “multioccupancy premises” requirements have been met.

N  
|  
|  
|  
N

N  
|  
|  
N

**Specific  
Requirements**

For specifics regarding Company metering equipment and installation requirements, refer to the Electric Service Manual.

---



## Ownership of Facilities

### Company Ownership

The Company will own all facilities up to the "point of attachment", and metering devices.

If the metering is installed on the customer's side of the point of attachment, the Company reserves the right to exercise control up to the metering point.

### Point of Attachment

The point of attachment is defined as follows:

Service	Point of Attachment
Overhead - All	Conductor connections adjacent to the eyebolt, spool rack, and/or weatherhead.
Underground - Residential	Line side terminal of the meter socket.
Underground - Commercial. Industrial and Other (includes multiple-unit dwellings and pre-manufactured home parks)	Underground Area - at the secondary terminals of the transformer or at the load side terminals of the handhole or pedestal.
	Overhead Area - at the riser pole closest to the property line.
Network Service	At the line side terminals of the customer's main disconnect or at the point of connection to the customer-owned bus.
Primary-metered Service	Overhead - at the metering point on the load side of the metering structure located at or near the property line.
	Underground - at the termination point of the incoming cable on the customer-owned metering switchgear.

### Other Ownership

Other ownership arrangements may be allowed, if agreed to by he customer and the Company, as such:

- Transformer and conductor leasing.
- Rate credit for transformer ownership.



## Company Equipment

**Customer Protection of** The customer must exercise reasonable care to protect Company property from loss or damage.

**Clearances** The customer shall:

- Maintain, and shall not compromise, adequate clearances in proximity to Company facilities.
- Notify the Company of any construction of customer facilities that may result in changes in clearance or grade.

**Space to be Provided** The customer shall provide unobstructed right-of-way and appropriate space for any:

- Company pole
- Padmount transformers
- Switchgear
- Handholes
- Pedestals
- Other equipment required to serve the customers.

**One-call Notification** The Customer is responsible for locating and marking all Customer-owned facilities prior to any construction. The Company shall not be responsible for damage to any facilities the customer fails to accurately locate and mark.

The customer is required by Chapter 480, Code of Iowa, to notify the one-call notification center prior to beginning any excavation. The free one-call service can be obtained by the customer as follows:

Step	Action
1	At least 48 hours (excluding Saturdays, Sundays and legal holidays) before digging begins, notify the "one-call" service at <div style="text-align: center;">811 (preferred) or 1-800-292-8989.</div>
2	Indicate where and when the digging will occur.
3	Provide the name and phone number of the individual to be contacted by the Company.

N  
|  
|  
N

N  
T



---

## Company Equipment, Continued

N

### Company Access

The customer must provide and maintain safe and convenient access to Company facilities at all reasonable hours. Such access shall include providing Company with

L  
L/N  
N

- Unobstructed right-of-way for Company and equipment or facilities over, across, under and upon property owned or controlled by the customer as necessary to supplying service to customer.
- The right to trim and remove trees and other vegetation as deemed necessary by the Company to provide reliable service.

|  
|  
|  
|  
N

---

### Performing Work on

Only the following may perform work on Company equipment or facilities:

L  
|  
|  
L

- Qualified Company employees.
- Other Company-authorized personnel.

---

### Pole Attachments

Nothing shall be attached to Company poles without a contractual agreement with the Company.

L  
L



---

## Inspections

---

### Company Inspection

For protection of Company facilities and to safeguard service to others, the Company reserves the right to inspect the following at any time:

- Service entrance.
- Meter location.
- Customer's electric facilities.

---

### Refusal of Service

The Company may refuse to connect service or may disconnect service if the customer's facilities, in the Company's opinion, do not comply with safety and operating standards, including:

- The *National Electrical Code*® (NEC®). \*
- National Electrical Safety Code (NESC).
- The Iowa Electrical Safety Code.
- Applicable local codes.

If inspection by a municipality or other governmental agency is required for service at a new location, the Company will not connect service until such inspection is completed. T

\* *National Electrical Code*® and NEC® are registered trademarks of the National Fire Protection Association, Inc., Quincy, MA 02269.

---

### Company Liability

No inspection by the Company, nor failure to object to the customer's installation, shall render the Company liable for injury or damage resulting from that installation.

---



---

## Irregularities and Interruption of Service

---

### Service Reliability

The Company will use reasonable diligence to provide reliable service. However, the Company does not guarantee its service against irregularities and interruption.

---

### Irregularities and Interruptions

Causes of irregularities and interruptions in service include, but are not limited to, the following:

- System switching operations.
  - Repairs or changes in facilities.
  - Valid curtailment or proration orders.
  - Rules and regulations promulgated by state or federal regulatory authorities.
  - An emergency as contemplated by Section 476.20, Code of Iowa.
  - Occurrences beyond the Company's reasonable control including, but not limited to:
    - Accidents
    - Acts of God (e.g., floods, winds, lightning, inc).
    - Acts or omissions of civil or military authority or of suppliers.
    - Equipment failure.
    - Fires, epidemics, quarantine restrictions.
    - Strikes or other labor disputes, embargoes, wars, sabotage, political strife, riots, delays in transportation.
    - Compliance with any regulations or directives of any national, state, local or municipal government, or any department thereof.
    - Fuel, power, material or labor shortages.
- 

### Repairs or Changes

The Company reserves the right to interrupt service for repair of or changes in Company facilities.

The Company will make a reasonable effort to notify the customer prior to planned repairs or changes of more than one hour.

---



---

## Irregularities and Interruption of Service, Continued

T

---

### Company Liability for Interruption or Irregularities

The Company will not be liable for any injury, loss or damage resulting from interruption, shortage or insufficiency of service or irregularities of service (e.g., overload, loss of voltage, high or low voltage, loss of phase, phase reversal) unless caused by the Company's willful default or gross negligence. In no event shall Company be liable for consequential or punitive damages.

---

### Customer Responsibility

The customer will not be relieved of responsibility for payment of charges for service actually supplied (including minimum charges) because of:

- Interruption, irregularity or insufficiency of service.
  - Accident to the customer's equipment or machinery.
  - Failure of a customer's installation, not due to the fault of the Company.
-



---

## Protection of Customer Equipment

---

**Customer  
Responsibility**

If the customer has motors, computers, electronic or electrical equipment that may be damaged by irregularities or interruption of service, the customer is responsible for the purchase and installation of suitable protective equipment.

---

**Customer  
Underground  
Facilities**

The Customer is responsible for locating and marking all Customer-owned facilities prior to any construction. The Company shall not be responsible for damage to any facilities the Customer fails to accurately locate and mark.

---

N  
|  
|  
N

**Protection In  
Accordance  
With**

The customer is advised to provide protection in accordance with the NEC or other guideline for all types of motors and other equipment, including but not limited to:

- Computers
  - Electronics equipment
  - Equipment in which computers or electronics form an integral operating party
- 

**Conditions  
Requiring  
Protection**

Following are conditions under which motors and other equipment may require protection:

- Overload
  - Loss of voltage
  - High or low voltage
  - Loss of phase(s) (e.g. single phasing)
  - Re-establishment of service after any of the foregoing phase reversal
  - Motors that cannot be subjected to full voltage on starting
  - Harmonics or wave form irregularities
-



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. 37.10

---

## Protection of Customer Equipment

---

**Company  
Assistance**

Company personnel will provide further information regarding what protection is necessary if the customer requests assistance.

---

L  
L



---

## Use of Service by Customer

---

<b>Code Compliance</b>	All customer electric facilities must be installed and operated in accordance with the NEC, NESC, and all other applicable laws, rules and regulations.
------------------------	---

---

<b>Notification by Customer</b>	The customer must notify the Company if the customer anticipates: <ul style="list-style-type: none"><li>• Major changes in electric load.</li><li>• A change in service entrance size.</li><li>• A change in the class of service (e.g. residential to commercial).</li></ul>
---------------------------------	---

---

<b>Affecting Others</b>	Customer facilities must be maintained and operated so they do not adversely affect service to other customers.
-------------------------	---

---

<b>Balancing of Phases</b>	If poly-phase service is provided, the customer must maintain reasonable electrical balance between the phases as measured at the meter.
----------------------------	--

---

<b>Specific Requirements</b>	For more specific requirements regarding equipment that may adversely affect service to others and the balancing phases, refer to the Electric Service Manual.
------------------------------	--

---

<b>Parallel Operation</b>	For the safety of customer and Company personnel and equipment, the operation of customer-owned generating equipment in parallel with the Company's system is prohibited without express written agreement between the customer and the Company.
---------------------------	--

---



---

## SECTION 3 – EXTENSIVE PLANT ADDITIONS, ELECTRICAL LINE EXTENSIONS AND SERVICE LINES

---

### Definitions

---

T

Advance for Construction (Refundable Advance) –

D

- A cash payment or equivalent surety
- Grossed-up for the income tax effect of such revenue and reduced by the present value of the tax benefits to be obtained by depreciating the property
- Provided by an Applicant to assist in financing the construction of Extensive Plant Additions or an Electrical Line Extension
- That is in excess of costs paid by the Company
- Portions of which may be subject to refund depending on the attachment of any subsequent
  - Service Line to the Electrical Line Extension, or
  - Service Line to the Extensive Plant Addition

Applicant – customer, developer, or other entity that requests and/or contracts for electric service requiring Extensive Plant Additions, Plant Additions, Electrical Line Extensions, and/or Service Lines.

Attachment Period – a time period within which the customer must attach to an Electrical Line Extension. The attachment period will be between 30 days and one year, as agreed upon by the Company and the customer.

Contribution in Aid of Construction (Nonrefundable Contribution) –

- A nonrefundable cash payment
  - Grossed-up for the income tax effect of such revenue and reduced by the present value of the tax benefits to be obtained by depreciating the property
  - Provided by an Applicant to cover the cost of construction of Service Line
  - That is in excess of costs paid by the Company
-



---

## Definitions, Continued

---

T

Distribution Line – any single or multiphase electric power line operating at a nominal voltage in either of the following ranges regardless of functional service provided by the line:

D

- 2,000 to 26,000 volts between undergrounded conductors
- 1,155 to 15,000 volts between grounded and undergrounded conductors

Electrical Line Extension – a Distribution or Secondary Line extension other than a Service Line whose purpose is to connect the Company's existing Distribution or Secondary Line to a new customer or customer location.

Equivalent Overhead Transformer Cost - the capitalized transformer cost, or fraction thereof, that would be required for similarly situated customers served by pole-mounted or platform-mounted transformer(s).

Estimated Annual Revenues - calculated on the basis of similarly situated customers, taking into account several factors, including, but not limited to, the following:

- Size of the customer's facility
- Size and type of equipment to be used by the customer
- Average annual amount of service required by the equipment
- Average number of hours per day and days per year the equipment will be in use

Estimated Base Revenues - calculated by subtracting fuel expenses and energy efficiency cost recovery charges from Estimated Annual Revenues.

---



---

## Definitions, Continued

---

T

Estimated Construction Costs - calculated using average current costs in accordance with good engineering practice. The following factors will be considered: D

- Amount of service required or desired by the customer
- Size, location, and characteristics of the Extensive Plant Addition, Electrical Line Extension or Service Line
- All other materials and accessories required to construct a line including:
  - Padmount transformers (less the Equivalent Overhead Transformer Cost)
  - Switchgear, switches, fusing cabinets, conductor, cable, elbows, fuses and lightning arrestors
  - Any other construction material
- If the ground is frozen or if other adverse conditions exist

Extensive Plant Addition – facilities required before customer can be served that

- Are other than Plant Additions paid by the Company, Electrical Line Extension or Service Line including but not limited to
    - Distribution Line upgrades
    - Transmission lines
    - Substation facilities
  - Infrastructure improvements that are not currently budgeted or economically justified
  - Prior to construction are subject to
    - Written agreement between the Company and the Applicant
    - Refundable Advance for the Estimated Construction Costs
-



---

## Definitions, Continued

---

T

Income Tax Surcharge - the amount by which a Refundable Advance or Nonrefundable Contribution must be increased to pay the increased income taxes incurred by the Company on Refundable Advances and Nonrefundable Contributions taken.

D

Plant Addition – additional plant, other than Electrical Line Extension or Service Line, that the Company will construct without charge to the Applicant.

Point of Attachment – the point of first physical attachment of the Company's service drop (overhead) or service lateral (underground) conductors to the customer's service entrance conductors. For Distribution Lines, will be the point of first physical attachment of the Company's Distribution Line conductors to a point where ownership is transferred to the Customer.

Secondary Line – any single or multiphase electric power line operating at a nominal voltage in either of the following ranges regardless of the functional service provided by the line:

- Less than 2, 000 volts between undergrounded conductors
- Less than 1,155 volts between grounded and undergrounded conductors

Service Line – a Secondary Line on private property serving a single customer or Point of Attachment for electric service.

Similarly Situated Customer – a customer whose annual consumption or service requirements, as defined by Estimated Annual Revenues, are similar to the Applicant requesting the Electrical Line Extension.

---



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

4<sup>th</sup> Revised Sheet No. 43  
Canceling 3<sup>rd</sup> Revised Sheet No. 43

---

## Definitions, Continued

---

Speculative Customer – a customer whose energy use is related to diminishing resources such as, but not limited to, sand and gravel plants, facilities whose permanent and continuing use of service is questionable, or other facilities whose use of service is intermittent and/or difficult to accurately estimate.

D  
N  
N

Temporary Service – facilities installed to supply the required electric service during construction or which will be removed at a later date when the customer has the service discontinued.

---



---

## General Terms and Conditions

---

T

**Introduction** This section applies to any Electrical Line Extension of the Company's electric system, whether it includes an Extensive Plant Addition, Plant Addition, Electrical Line Extension or a Service Line.

The Company's electric distribution system includes both overhead and underground facilities.

New Plant Additions, Electrical Line Extensions, or Service Lines will normally be made by construction of additional overhead facilities, except:

- In newly platted residential developments
- In other Company designated underground areas

Overhead facilities will not normally be constructed into areas designated by the Company for underground facilities except:

- Electric supply lines bringing power to the area, principally three-phase feeder lines
- Transmission lines

---

**Notification by Customer** Before service will be provided to a new location, upgraded, or relocated, the Applicant must:

- Notify the Company
- Complete an application for service

---

**Energy Conservation Certification** The Applicant will be required to certify or provide certification that a new structure conforms to the energy conservation requirements in the Iowa State Building Code (I.A.C. Subrule 680-16.8000(3) and (4)) if the facility to which service is to be extended is:

- A new structure heated or cooled by electric service, and
- Intended for human occupancy.

---



---

## General Terms and Conditions, Continued

---

T

### Space Requirement

The Applicant must provide space for any:

- Company pole
- Padmount transformers
- Switchgear
- Handholes
- Pedestals
- Other equipment required to serve customers

T

---

### Right-of-Way

The customer must provide, without cost, such unobstructed right-of-way for Company equipment or facilities over, across, under and upon property owned or controlled by the customer as is necessary and incidental to supplying service to customers.

T

Such right-of-way shall include the right to trim or remove trees and other vegetation as deemed necessary by the Company to provide reliable service.

T

T

The customer must permit Company access to such right-of-way at all reasonable hours.

---



**General Terms and Conditions, Continued**

T

**Electrical  
 Line  
 Extension  
 Other than  
 Company  
 Design**

<b>If . . .</b>	<b>Then . . .</b>
Applicant wishes a more expensive Extensive Plant Addition, Plant Addition, Electrical Line Extension, or Service Line design than the Company proposes based on good engineering practice	Applicant must pay, as a Refundable Advance or Nonrefundable Contribution, the difference between: <ul style="list-style-type: none"> <li>• The higher cost design and</li> <li>• The Company's design.</li> </ul>
Applicant does not attach within Attachment Period	Applicant must make a Refundable Advance or Nonrefundable Contribution for construction equal to the Estimated Construction Costs of the Electrical Line Extension and/or Service Line.
Applicant requires Temporary Service	Applicant must make a Nonrefundable Contribution equal to the Estimated Construction Costs, including the estimated cost of removal of the facilities (less estimated salvage value).



---

## Extensive Plant Additions and Electrical Line Extensions

---

**Applicant Refundable Advance**

The Applicant(s) requesting the Extensive Plant Addition or Electrical Line Extension must

- Pay a Refundable Advance for any cost of Extensive Plant Additions and/or Electrical Line Extension
- Less a credit of three times the Estimated Base Revenues of the customer(s) attaching to the Electric Line Extension.
  - First applied to the cost of the Extensive Plant Addition
  - With remaining credit applied to the cost of the Electrical Line Extension
  - This credit shall not exceed the Estimated Construction Costs of the Extensive Plant Addition and/or Electrical Line Extension.

D  
D  
D

---

**Disputed Estimated Base Revenues**

Where estimates of the customer's Estimated Base Revenues are in dispute:

- The Applicant must pay the total cost of the Extensive Plant Addition and/or Electrical Line Extension as a Refundable Advance.
- After one year, the Company will apply a credit of three times the customer's actual base revenue.

---

**Speculative Customer**

A Speculative Customer(s) requesting an Extensive Plant Addition or Electrical Line Extension must pay all Estimated Construction Costs as a Refundable Advance.

D

---

**Newly Platted Subdivision**

Electrical Line Extensions in newly platted subdivisions will be made on the same cost basis to customers as Electrical Line Extensions along private right-of-way.

---



**Extensive Plant Additions and Electrical Line Extensions, Continued** T

**Underground Electrical Line Extensions** Additional requirements for underground Electrical Line Extensions: T

Underground Extensions For	Additional Requirements
Residential	At the option of the Company, Applicant must install duct to accommodate Company cable: <ul style="list-style-type: none"> <li>• On private property when under pavement or obstructions, and</li> <li>• For rear lot line construction when requested by the customer, developer or governmental unit.</li> <li>•</li> </ul>
Commercial/Industrial/Other (including multiple-unit dwellings and pre-manufactured home parks)	At the option of the Company, Applicant must install duct to accommodate Company cable on private property.  Applicant is responsible for constructing and maintaining transformer pads in accordance with Company's specifications for three-phase installations.

T

T

D/T



**Extensive Plant Additions and Electrical Line Extensions, Continued** T

**Underground Electrical Line Extensions, Continued** Miscellaneous conditions that apply to underground Electrical Line Extensions: T

Conditions	Requirement	
After construction is started, if there is a change in: <ul style="list-style-type: none"> <li>• Grade in excess of four inches</li> <li>• Lot line or</li> <li>• Easement boundaries which had previously been considered final</li> </ul>	Additional charge will be made for relocating any Company facilities	T
Removal or restoration of: <ul style="list-style-type: none"> <li>• Obstructions</li> <li>• Sod or</li> <li>• Other landscaping features</li> </ul>	Applicant is responsible	T
Winter construction conditions or abnormal soil conditions	Additional construction cost may be applicable	T





**Service Lines**, Continued

T

**Service Entrance Requirements**

The Company will designate:

- The point on its system where the Service Line will originate
- The Point of Attachment of Company facilities to customer facilities
- The meter location

T  
T  
T

**Specific Requirements**

For specific service entrance equipment, installation and maintenance requirements, refer to the Electric Service Manual.



---

## Payments for Extensive Plant Additions, Electrical Line Extensions and Service Lines

---

**Payments for Construction** All Refundable Advances and applicable permit fees, required for Extensive Plant Additions and Electrical Line Extensions to extend electric service will be made no more than 30 days prior to the start of construction, unless other arrangements have been made with the Company. D

All Nonrefundable Contributions and applicable permit fees for Service Lines will be made within 30 days after completion for the portion of the Service Line subject to the Nonrefundable Contribution.

---

**Permit Fees** The Applicant shall pay actual permit fees. Permit fees are to be paid regardless of whether the

- Company finances the construction
- Applicant is required to pay a Refundable Advance or a Nonrefundable Contribution

Such payments must be made prior to the start of construction. Permit fees are not

- Refundable
- Subject to gross-up

---

**Types of Payment** Two different types of payments may be required

Advances	Subject to refund
Contributions	Nonrefundable

---

**Income Tax** Both Refundable Advances and Nonrefundable Contributions will include applicable Income Tax Surcharge.

---




---

**Payments for Extensive Plant Additions, Electrical Line Extensions and Service Lines, Continued** T  
N

---

**Contractual Requirement**      An Applicant will enter into an agreement with the Company when N

- Required to pay a Refundable Advance or Nonrefundable Contribution N
- Extensive Plant Addition is needed to serve the electric load N
- Additional surety is required as a result of Estimated Construction Costs over \$1 million N

---

**Refundable Advances**      Payments for Refundable Advances at the Company's option, may be made in T

- Cash, check, or money order D
- Surety instrument T

---

**Surety Instrument**      If a surety instrument is used, the amount must include: T

- The amount of the Refundable Advance. T
- A surcharge equal to the annual interest rate paid by the Company on customer credit assurance deposits multiplied by the amount of the Refundable Advance. T

---



**Payments for Extensive Plant Additions, Electrical Line Extensions and Service Line, Continued**

**T  
N**

**Call of Surety by Company**

The surety must remain in force until called by the Company:

- At the end of one year from the date of the Refundable Advance, or
- When the earned refunds are equal to the amount of the Refundable Advance,

Whichever occurs first.

D/T

T  
T

T

At that time, the Applicant must pay the Company the amount of the surcharge in cash, check, or money order.

T  
N

**New Refundable Advance**

If there are not sufficient earned refunds when the surety is called to offset the full amount of the original Refundable Advance, the Applicant must provide a new Refundable Advance to cover the remaining amount.

D  
T  
T

Upon receipt of the new Refundable Advance, the Company will release the prior surety. Earned refunds will be credited against the new Refundable Advance over the remainder of the original refund period.

T  
D  
T

**Time Limitation**

The Applicant may continue to provide a surety as a Refundable Advance each year until the end of the ten-year refund period.

T  
T

At that time the Refundable Advance becomes nonrefundable and must be paid in cash, check, or money order.

T  
T



---

## Payments for Extensive Plant Additions, Electrical Line Extensions and Service Lines, Continued

---

**Interest on Refundable Advances** No interest will be paid on Refundable Advances held by the Company.

---

**Nonrefundable Contributions** Payments for Nonrefundable Contributions must be made in cash, check, or money order.

---

**Additional Surety for Large Investments** For Extensive Plant Additions and/or Electric Line Extensions with Estimated Construction Costs over \$1 million, an additional surety will be required from the Applicant. Such surety will

- Be in addition to any Refundable Advance
- Be an unconditional and irrevocable letter of credit or alternative form of security acceptable to the Company
- Be equal to three times the Estimated Base Revenue
- Remain in effect on a declining basis until such time as the actual base revenues paid by Customer is equal to the Estimated Base Revenues
- At Company's sole discretion, may be waived after review in accordance with standard commercial practices

D  
D



---

## Refunds of Advances

---

**Refund Period** For a period of ten years from the date of the original Refundable Advance, the Company will provide a refund to the depositor for

- Each customer who attaches to the Electrical Line Extension
- Each new customer who attaches to any Distribution Line included in the Extensive Plant Addition on the portion for which a Refundable Advance was paid by the Applicant and identified in the agreement with the Company

T  
T  
T  
T  
N  
|  
N

---

**Amount of Refund** The amount refunded for each attaching customer will be equal to three times the Estimated Base Revenues of that customer, including a pro rata share of the Income Tax Surcharge, unless this would result in a total refund greater than the original deposit.

T  
N

In that case, the amount refunded will be such that the total refund will be equal to the original deposit.

---

**Definition of Attached** For purposes of the refund, a new customer will only be considered to have attached to an Electrical Line Extension or Distribution Line included in the Extensive Plant Addition if the electric Service Line connection is attached directly to a point on the Electrical Line Extension or Distribution Line.

T  
N  
N  
N

---

**Refund for Speculative Customer** An amount equal to 50% of Annual Base Revenues for the preceding year will be refunded to a Speculative Customer at the end of each year for six years, except that the total refunded must not exceed the amount of the original Refundable Advance.

T  
T  
T



## SECTION 4 – CHANGES TO EXISTING FACILITIES

### Converting Overhead to Underground, Relocating and Upgrading Facilities

**General**

Conversion of existing overhead facilities to underground or relocation of facilities will be allowed unless an engineering, operating, construction, safety or legal reason would make such installation inadvisable.

**Applicant Cost**

The Applicant (s) requesting the conversion or relocation must pay a Nonrefundable Contribution. The Nonrefundable Contribution will include:

- The total cost of the requested facilities
- The cost of removal
- The total cost of relocating facilities

See “Facilities Upgrade” Section below for applicable charges if the relocation or conversion will result in an increase in load

T  
T  
T  
T  
T



---

## Converting Overhead to Underground, Relocating and Upgrading Facilities, Continued

---

### Facilities Upgrade

If the Applicant requires an upgrade in facilities due to an increase in load and the existing facilities are not sized or placed appropriately to serve the new load:

- Any changes in transformation or primary facilities will be handled in accordance with the appropriate Electrical Line Extension policy in Section 3 and will include only the incremental load increase in calculating Estimated Annual Revenues and Estimated Base Revenues.
- Replacement of the Service Line will be handled as a new service in accordance with the Service Line policy in Section 3.

T  
N  
N  
N  
T  
T  
D



---

## Converting Overhead to Underground, Relocating and Upgrading Facilities, Continued

---

**Customer-  
Requested  
Relocations**

The cost of facility relocation requests on public rights-of-way or private third-party easements, including removal, to allow for the

- installation and/or relocation of driveways
- residential and commercial subdivision entrances
- field entrances, bike paths, walkways, etc.

Shall be paid as a Nonrefundable Contribution; see “Applicant Cost” above.

N  
N  
  
D  
D  
T

---

**Relocation for  
Governmental  
Unit**

The Company will relocate its facilities originally placed on public property at the request of the governmental unit performing road widening or similar public projects in accordance with legal and regulatory requirements.

---

**Conversion for  
Governmental  
Unit**

If conversion is required by a governmental unit, the conversion cost will be charged to the governmental unit or to the Company’s customers in the governmental unit.

---





---

## SECTION 5 – ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

---

N  
N

### General

---

#### Applicability

This section applies to qualifying facilities and AEP facilities, collectively termed distributed generation facilities herein, seeking to operate in parallel with MidAmerican, provided the facilities are not subject to the interconnection requirements of the Federal Energy Regulatory Commission (FERC) or the Midwest Independent Transmission System Operator (MISO).

---

N

#### Definitions

Terms defined in 199 IAC Chapter 45 (199-45) shall have the same meaning for the purposes of this section as they have in 199-45.

---

#### Technical Standards

The interconnection of distributed generation facilities and associated interconnection equipment to MidAmerican’s electric distribution system shall meet the applicable provisions of the publications listed in 199-45.3 and listed below:

- IEEE Standard 1547 - Standard for Interconnecting Distributed Resources with Electric Power Systems
  - IEEE Standard 519-1992 - IEEE Recommended Practices and Requirements for Harmonic Control in Electric Power Systems
  - IEC/TR3 61000-3-7 - Assessment of emission limits for fluctuating loads in MV and HV power systems
  - 199-Chapter 25 - Iowa Electric Safety Code
  - ANSI/NFPA 70-2008 - National Electrical Code
- 

N



---

## Interconnection Facilities

---

N

### Requirements for Isolation Devices

MidAmerican may require the distributed generation facility to have the capability to be isolated from MidAmerican's electric distribution system. MidAmerican, at its sole discretion, shall specify either:

- A lockable, visible-break isolation device accessible by MidAmerican, or
- A lockable isolation device whose status is indicated and is accessible by MidAmerican

N

---

### Responsibility for Isolation Devices

Any isolation device required by MidAmerican shall satisfy all of the following:

- Installed, owned, and maintained by the owner of the distributed generation facility; and
- Located electrically between the distributed generation facility and the point of interconnection; and
- Located such that it does not interfere with MidAmerican's present or proposed distribution system

---

### Access to Isolation Devices

MidAmerican and the interconnection customer shall have access to the isolation device at all times. The interconnection customer shall permit MidAmerican to affix a placard in a location of MidAmerican's choosing that provides instructions to MidAmerican operating personnel for accessing the isolation device.

---

### Overcurrent Devices

The interconnection shall include overcurrent devices on the facility to automatically disconnect the facility at all currents that exceed the full-load current rating of the facility.

---

N



---

## Interconnection Facilities, Continued

---

N

### **Disconnection Devices**

Distributed generation facilities with a design capacity of 100 kVA or less must be equipped with automatic disconnection upon loss of electric utility-supplied voltage.

---

N

### **Synchronism-Check Devices**

Facilities that produce a terminal voltage prior to the closure of the interconnection shall be provided with synchronism-check devices to prevent closure of the interconnection under conditions other than a reasonable degree of synchronization between the voltages on each side of the interconnection switch.

---

### **Inspection of Interconnection Equipment**

The operator of the distributed generation facility shall adopt a program of inspection of the generator and its appurtenances and the interconnection facilities in order to determine necessity for replacement and repair. Representatives of MidAmerican shall have access at all reasonable hours to the interconnection equipment for inspection and testing.

---

N



---

## Interconnection Facilities, Continued

---

N

### Lab-Certified Equipment

An interconnection request may be eligible for expedited interconnection review under 199-45.8 (476), 199-45.9 (476), or 199-45.10 (476) if the distributed generation facility uses interconnection equipment that is lab-certified.

- Successfully tested in accordance with IEEE Standard 1547.1 or complies with UL Standard 1741, as demonstrated by any nationally recognized testing laboratory (NRTL) recognized by OSHA to test and certify interconnection equipment.
- Interconnection equipment is labeled and publicly listed by the NRTL at the time of the interconnection application.
- Applicant's proposed use of the interconnection equipment falls within the use or uses for which the interconnection equipment was labeled and listed by the NRTL.
- Generator, other electric sources, and interface components being utilized are compatible with the interconnection equipment and are consistent with the testing and listing specified by the NRTL for this type of interconnection equipment.

N

---

### Evaluations and Tests for Lab-Certified Equipment

While lab-certified interconnection equipment shall not require further design testing, product testing, or additional interconnection equipment modification to meet the requirements for expedited review, MidAmerican reserves the right to require interconnection installation evaluation, commissioning tests, witness tests, and/or periodic testing as specified by IEEE Standard 1547, Sections 5.3, 5.4, and 5.5.

N



---

## Interconnection Facilities, Continued

---

N

**Point(s) of Interconnection**

Multiple energy production devices at a site for which

- The Applicant rejects a single point of interconnection shall be
    - Evaluated on the basis of separate points of interconnection for each distributed generation facility; and
    - Applicant shall pay any additional cost to provide separate points of interconnection
  - MidAmerican rejects, without technical explanation, the Applicant's proposal for a single point of interconnection,
    - MidAmerican shall pay any additional cost to provide separate points of interconnection for each distributed generation facility
- 

N

**Emergency Disconnection With Prior Notice**

In the event MidAmerican or its customers experience problems of a type that could be caused by the presence of alternating current or voltages with frequency higher than 60 Hertz, MidAmerican shall be permitted to open and lock the interconnection switch pending a complete investigation of the problem.

---

**Emergency Disconnection Without Prior Notice**

Where MidAmerican believes the condition creates a hazard to the public or to property, the disconnection may be made without prior notice. MidAmerican shall notify the operator of the distributed generation facility by written notice and, where possible, verbal notice as soon as practicable after the disconnection.

---

N



---

## Interconnection Facilities, Continued

---

N

### Liability for Damages

If MidAmerican needs to isolate the distributed generation facility, MidAmerican shall not be held liable for any damages resulting from the actions necessary to isolate the generating facility.

---

N

### Witness Test Procedures

MidAmerican may require a witness test after the distributed generation facility is constructed. The Applicant shall

- Provide MidAmerican with at least 15 business days' notice of the planned commissioning test for the distributed generation facility, and
- Schedule the witness test at a time that is mutually agreeable to the Applicant and MidAmerican

---

### Witness Test Performed by Others

In the event MidAmerican, or its representatives, does not witness a commissioning test, the Applicant remains obligated to satisfy the interconnection test specifications and requirements of IEEE Standard 1547, Section 5.

The Applicant shall provide a copy of all documentation in its possession regarding the testing conducted pursuant to IEEE Standard 1547.1 if requested by MidAmerican.

---

N



---

## Interconnection Facilities, Continued

---

### Unacceptable Witness Test Results

The Applicant shall be granted 30 business days to address and resolve any deficiencies identified in the witness test.

The time period for addressing and resolving any deficiencies may be extended upon mutual agreement of the Applicant and MidAmerican.

- MidAmerican shall not deny any Applicant's initial request for an extension
- MidAmerican may deny any subsequent requests for an extension

Failure to resolve all identified deficiencies to MidAmerican's satisfaction shall deem the interconnection request as withdrawn.

---

N

N

N



---

## Other Facilities

N

---

### Metering

Metering requirements shall be identified in the Standard Distributed Generation Interconnection Agreement executed between the interconnection customer and MidAmerican and shall be consistent with MidAmerican's metering rules filed with the Board under 199-20.2(5) and inspection and testing practices adapted under 199-20.6.

N

---

### Monitoring and Control Requirements

MidAmerican may require monitoring and control of distributed generation facilities when the nameplate capacity rating is greater than 1 MVA. Requirements shall be reasonable and consistent with MidAmerican's published requirements and clearly identified in the interconnection agreement between the interconnection customer and MidAmerican.

N



---

## Interconnection Requests - General

---

N

### Multiple Energy Production Devices

Multiple energy production devices at a site for which the Applicant seeks a single point of interconnection shall be evaluated on the basis of the aggregate nameplate capacity of the multiple devices.

---

N

### Increase in Capacity

When an interconnection request is for an increase in capacity for an existing distributed generation facility, the interconnection request shall be evaluated on the basis of the new total nameplate capacity of the distributed generation facility.

---

### Modifications to Completed Requests

When an interconnection request is deemed complete by MidAmerican, any modification that is not agreed to by MidAmerican requires submission of a new interconnection request and application fee.

---

### Site Control

When an Applicant is not currently a customer of MidAmerican at the proposed site, the Applicant shall provide, upon request, proof of the Applicant's legal right to control the site, evidenced by the Applicant's name on a property tax bill, deed, lease agreement or other legally binding contract.

---

### Disputes

MidAmerican shall attempt to resolve all disputes regarding interconnection promptly and in a good-faith manner and in accordance with 199-45.12.

---

N



---

## Interconnection Review Levels

---

N

### Requirements for Level 1 Review

Level 1 expedited review procedure as outlined in 199-45.8 is applicable when each of the following requirements are satisfied:

- The Applicant has filed a Level 1 application with an application fee; and
- The distributed generation facility has a nameplate capacity rating of 10 kVA or less; and
- The distributed generation facility is inverter-based; and
- The customer interconnection equipment proposed for the distributed generation facility is lab-certified; and
- No construction of facilities by MidAmerican shall be required to accommodate the distributed generation facility.

N

---

### Requirements for Level 2 Review

Level 2 expedited review procedure as outlined in 199-45.9 is applicable when each of the following requirements are satisfied:

- The Applicant has filed a Level 2 application with an application fee; and
- The distributed generation facility has a nameplate capacity rating of 2 MVA or less; and
- The customer interconnection equipment proposed for the distributed generation facility is lab-certified; and
- The proposed interconnection is to a radial distribution circuit or a spot network limited to serving one customer; and
- No construction of facilities by MidAmerican shall be required other than minor modifications to accommodate the distributed generation facility.

N



---

## Interconnection Review Levels, Continued

---

N

**General  
Requirements for  
Level 3 Review**

Level 3 review procedures as outlined in 199-45.10 shall be used for evaluating interconnection requests where power will not be exported.

---

N

**Requirements for  
Level 3 - Load  
Side of an Area  
Network**

Level 3 expedited review procedure for the load side of an area network is applicable when each of the following requirements are satisfied:

- The Applicant has filed a Level 3 application with an application fee; and
  - The distributed generation facility has a nameplate capacity rating of 50 kVA or less; and
  - The customer interconnection equipment proposed for the distributed generation facility is lab-certified inverter-based; and
  - The distributed generation facility will use reverse power relays or other protection functions; and
  - The aggregate of all generation on the area network does not exceed the lower of either:
    - 5 percent of an area network's maximum load, or
    - 50 kVA; and
  - No construction of facilities by MidAmerican shall be required to accommodate the distributed generation facility.
- 

N



---

## Interconnection Review Levels, Continued

---

N

### Requirements for Level 3 - Radial Distribution Circuit

Level 3 expedited review procedure for a radial distribution circuit is applicable when each of the following requirements are satisfied:

- The Applicant has filed a Level 3 application with an application fee; and
- The aggregated total of nameplate capacity ratings of all generators on the circuit, including the proposed distributed generation facility is 10 MVA or less; and
- The distributed generation facility will use reverse power relays or other protection functions; and
- The distributed generation facility is not served by a shared transformer; and
- No construction of facilities by MidAmerican shall be required to accommodate the distributed generation facility.

N

N



---

## Interconnection Review Levels, Continued

---

N

### Requirements for Level 4 Review

Level 4 review procedure is applicable as outlined in 199-45.11 when each of the following requirements are satisfied:

- The Applicant has filed a Level 4 application with an application fee; and
- The distributed generation facility has a nameplate capacity rating of 10 MVA or less; and
- Not all of the interconnection equipment or distributed generation facilities being used for the application is lab-certified.

N

---

### Requirements for Nameplate Generation Over 10 MVA

If the nameplate capacity of the facility is greater than 10 MVA, the interconnection customer and MidAmerican shall start with a Level 4 review process and standard agreements in Appendices D through G, modified as needed by mutual agreement.

---

### System Impacts

MidAmerican shall evaluate the potential for adverse system impacts using the screens outlined in 199-45.8(1), 199-45.9(1), 199-45.10(1)e, 199-45.10(1)f, 199-45.11(4) through 199-45.11(7).

---

### Rejection Level Review

If a distributed generation facility is not approved under a review level, MidAmerican shall provide the Applicant with written notification explaining the reasons for denying the interconnection request.

The Applicant may submit a new interconnection request, including the appropriate application fee, for consideration under a higher level review procedure.

---

N



---

## Interconnection Review Levels, Continued

---

N

### Resubmitted interconnection Requests

For denied interconnection requests

- Originally submitted under Level 2 or Level 3; and
- Assigned a review order under the original interconnection request; and
- A new interconnection request is made within 15 business days after original notification is denied,

Shall retain the position assigned to the original interconnection request.

For a rejected interconnection request under a Level 4 review, the Applicant may submit a new interconnection request under the Level 4 review procedures. The new interconnection request does not retain its position in the review order.

N

---

### Withdrawal of Interconnection Requests

The interconnection request shall be considered withdrawn when:

- Requested by the Applicant in writing
- If additional information requested by MidAmerican for a complete interconnection request is not provided by the Applicant within ten business days of the request
- If the Applicant fails to sign and return the interconnection agreement to MidAmerican and does not request an extension in writing:
  - For Level 1 and Level 4: within 30 business days of the issuance of the agreement
  - For Level 2 and Level 3: within 35 business days of the issuance of the agreement
- The Applicant fails to resolve all deficiencies identified in the witness test within 30 business days and does not request an extension.

N



---

## Records and Reports

---

N

### Records

MidAmerican shall maintain records of the following for a minimum of three years:

- Total nameplate capacity and fuel type of the distributed generation facility;
  - Level of review received; and
  - Whether the interconnection was approved or denied.
- 

N

### Reports to the Board

Beginning May 1, 2011, and each year thereafter, MidAmerican shall file a nonconfidential annual report detailing the information listed in "Records," above, for the previous calendar year.

---

### Applicant-Requested Studies

Applicants may request and MidAmerican shall provide copies of any studies performed in analyzing the Applicant's interconnection request.

An Applicant may request information regarding prior interconnection requests of other applicants and MidAmerican, at its sole discretion, may provide such studies.

---

N

**199—45.14(476) Appendix A – Level 1 standard application form and distributed generation interconnection agreement**

LEVEL 1:  
STANDARD APPLICATION FORM AND INTERCONNECTION AGREEMENT

Interconnection Request Application Form and  
Conditional Agreement to Interconnect  
(For Lab-Certified Inverter-Based Distributed Generation Facilities 10 kVA or Smaller)

An application fee of \$50.00 must be submitted with the application

Interconnection Applicant Contact Information

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Alternate Contact Information (if different from Applicant)

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Equipment Contractor

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_  
License number (if applicable): \_\_\_\_\_  
Active License? (if applicable) Yes \_\_\_ No \_\_\_

Electrical Contractor (if Different from Equipment Contractor):

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_  
License number: \_\_\_\_\_  
Active License? Yes \_\_\_ No \_\_\_

Is the Interconnection Customer requesting Net Metering in accordance with Iowa Utilities Board rule 199 IAC 15.11(5) and MidAmerican's net metering or net billing tariff?

Yes \_\_\_ No \_\_\_

Intent of Generation

- Net Metering (Unit will operate in parallel and will export power to MidAmerican pursuant to Iowa Utilities Board rule 199 IAC 15.11(5) and MidAmerican's net metering or net billing tariff)
- Self-Use and Sales to the Utility (Unit will operate in parallel and may export and sell excess power to MidAmerican pursuant to Iowa Utilities Board rule 199 IAC 15.5 and MidAmerican's tariff)
- Other (Please explain): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Distributed Generation Facility ("Facility") Information

Facility Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Utility serving Facility site: \_\_\_\_\_  
Account Number of Facility site (existing utility customers): \_\_\_\_\_  
Inverter Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

Is the inverter lab-certified as that term is defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation (199 IAC 45.1)?

Yes \_\_\_ No \_\_\_

(If yes, attach manufacturer's technical specifications and label information from a nationally recognized testing laboratory.)

Generation Facility Nameplate Rating: \_\_\_\_\_(kW) \_\_\_\_\_ (kVA) \_\_\_\_\_(AC Volts)

Energy Source: Wind \_\_\_ Solar \_\_\_ Biomass \_\_\_ Hydro \_\_\_ Diesel \_\_\_  
Natural Gas \_\_\_ Fuel Oil \_\_\_ Other: \_\_\_\_\_

Energy Converter Type: Wind Turbine \_\_\_ Photovoltaic Cell \_\_\_ Fuel Cell \_\_\_  
Reciprocating Engine \_\_\_ Other: \_\_\_\_\_

Commissioning Test Date: \_\_\_\_\_

(If the Commissioning Test Date changes, the interconnection customer must inform MidAmerican as soon as it aware of the changed date.)

### Insurance Disclosure

The attached terms and conditions contain provisions related to liability and indemnification and should be carefully considered by the interconnection customer. The interconnection customer shall carry general liability insurance coverage, such as, but not limited to, homeowner's insurance.

### Other Facility Information

One Line Diagram – A basic drawing of an electric circuit in which one or more conductors are represented by a single line and each electrical device and major component of the installation, from the generator to the point of interconnection, are noted by symbols.

One Line Diagram attached: \_\_\_ Yes

Plot Plan – A map showing the distributed generation facility's location in relation to streets, alleys, or other geographic markers.

Plot Plan attached: \_\_\_ Yes

Customer Signature

I hereby certify that: (1) I have read and understand the terms and conditions, which are attached hereto by reference; (2) I hereby agree to comply with the attached terms and conditions; and (3) to the best of my knowledge, all of the information provided in this application request form is complete and true.

Applicant Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

.....

This Application Form and Interconnection Agreement is comprised of: 1) the Level 1 Standard Application Form and Interconnection Agreement; 2) the Attachment of Terms and Conditions for Interconnection; and 3) the Certificate of Completion.

NOTE: If the Certificate of Completion is not completed and returned to MidAmerican within 12 months following MidAmerican's dated conditional agreement to interconnect below, this Application Form and Interconnection Agreement will automatically terminate and be of no further force and effect.

.....

Conditional Agreement to Interconnect Distributed Generation Facility

Receipt of the application fee is acknowledged and, by its signature below, MidAmerican has determined the interconnection request is complete. Interconnection of the distributed generation facility is conditionally approved contingent upon the attached terms and conditions of this Agreement, the return of the attached Certificate of Completion, duly executed verification of electrical inspection and successful witness test.

MidAmerican Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

## ATTACHMENT

### Level 1: Standard Interconnection Agreement

#### Terms and Conditions for Interconnection

- 1) Construction of the Distributed Generation Facility. The interconnection customer may proceed to construct (including operational testing not to exceed 2 hours) the distributed generation facility, once the conditional Agreement to interconnect a distributed generation facility has been signed by MidAmerican.
  
- 2) Final Interconnection and Operation. The interconnection customer may operate the distributed generation facility and interconnect with MidAmerican's electric distribution system after all of the following have occurred:
  - a) Electrical Inspection: Upon completing construction, the interconnection customer shall cause the distributed generation facility to be inspected by the local electrical inspection authority, who shall establish that the distributed generator facility meets local code requirements.
  - b) Certificate of Completion: The interconnection customer shall provide MidAmerican with a copy of the Certificate of Completion with all relevant and necessary information fully completed by the interconnection customer, as well as an inspection form from the local electrical inspection authority demonstrating that the distributed generation facility passed inspection.
  - c) MidAmerican has completed its witness test as per the following:
    - i) The interconnection customer shall provide MidAmerican at least 15 business days notice of the planned commissioning test for the distributed generation facility. Within 10 business days after the commissioning test, MidAmerican may, upon reasonable notice and at a mutually convenient time, conduct a witness test of the distributed generation facility to ensure that all equipment has been appropriately installed and operating as designed and in accordance with the requirements of IEEE 1547.
    - ii) If MidAmerican does not perform the witness test within the 10 business days after the commissioning test or such other time as is mutually agreed to by the Parties, the witness test is deemed waived, unless MidAmerican cannot do so for good cause. In these cases, upon MidAmerican request, the interconnection customer shall agree to another date for the test within 10 business days after the original scheduled date.

- 3) IEEE 1547. The distributed generation facility shall be installed, operated and tested in accordance with the requirements of The Institute of Electrical and Electronics Engineers, Inc. (IEEE), 3 Park Avenue New York, NY 10016-5997, Standard 1547 (2003) "Standard for Interconnecting Distributed Resources with Electric Power Systems," as well as any applicable federal, state, or local laws, regulations, codes, ordinances, orders, or similar directives of any government or other authority having jurisdiction.
- 4) Access. MidAmerican must have access to the isolation device or disconnect switch and metering equipment of the distributed generation facility at all times. When practical, MidAmerican shall provide notice to the customer prior to using its right of access.
- 5) Metering. Any required metering shall be installed pursuant to MidAmerican's metering rules filed with the Iowa Utilities Board under subrule 199 IAC 20.2(5).
- 6) Disconnection. MidAmerican may disconnect the distributed generation facility upon any of the following conditions, but must reconnect the distributed generation facility once the condition is cured:
  - a) For scheduled outages, provided that the distributed generation facility is treated in the same manner as MidAmerican's load customers;
  - b) For unscheduled outages or emergency conditions;
  - c) If the distributed generation facility does not operate in a manner consistent with this Agreement or the applicable requirements of 199 IAC Chapters 15 or 45;
  - d) Improper installation or failure to pass the witness test;
  - e) If the distributed generation facility is creating a safety, reliability, or power quality problem;
  - f) The interconnection equipment used by the distributed generation facility is de-listed by the Nationally Recognized Testing Laboratory that provided the listing at the time the interconnection was approved;
  - g) Unauthorized modification of the interconnection facilities or the distributed generation facility; or
  - h) Unauthorized connection to MidAmerican's electric system.
- 7) Indemnification. The interconnection customer shall indemnify and defend MidAmerican and MidAmerican's directors, officers, employees, and agents from all claims, damages and expenses, including reasonable attorney's fees, to the extent resulting from the interconnection customer's negligent installation, operation, modification, maintenance, or removal of its distributed generation facility or interconnection facilities, or the interconnection customer's willful misconduct or breach of this Agreement. MidAmerican shall indemnify and defend the

interconnection customer and the interconnection customer's directors, officers, employees, and agents from all claims, damages, and expenses, including reasonable attorney's fees, to the extent resulting from MidAmerican's negligent installation, operation, modification, maintenance, or removal of its interconnection facilities or electric distribution system, or MidAmerican's willful misconduct or breach of this Agreement.

- 8) Insurance. The interconnection customer shall provide MidAmerican with proof that it has a current homeowner's insurance policy or other general liability policy.
- 9) Limitation of Liability. Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever, provided that in no event shall death, bodily injury or third party claims be construed as indirect or consequential damages.
- 10) Termination. This Agreement will remain in effect until terminated and may be terminated under the following conditions:
  - a) By interconnection customer - The interconnection customer may terminate this interconnection agreement by providing written notice to MidAmerican. If the interconnection customer ceases operation of the distributed generation facility, the interconnection customer must notify MidAmerican.
  - b) By MidAmerican - MidAmerican may terminate this Agreement without liability to the interconnection customer if the interconnection customer fails to remedy a violation of terms of this Agreement within 30 calendar days after notice, or such other date as may be mutually agreed to in writing prior to the expiration of the 30 calendar day remedy period. The termination date may be no less than 30 calendar days after the interconnection customer receives notice of its violation from MidAmerican.
- 11) Modification of Distributed Generation Facility. The interconnection customer must receive written authorization from MidAmerican before making any changes to the distributed generation facility that could affect MidAmerican's distribution system. If the interconnection customer makes such modifications without MidAmerican's prior written authorization, MidAmerican shall have the right to disconnect the distributed generation facility.
- 12) Permanent Disconnection. In the event the Agreement is terminated, MidAmerican shall have the right to disconnect its facilities or direct the interconnection customer to disconnect its distributed generation facility.

- 13) Disputes. Each Party agrees to attempt to resolve all disputes regarding the provisions of this agreement that cannot be resolved between the two Parties pursuant to the dispute resolution provisions found in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.12).
- 14) Governing Law, Regulatory Authority, and Rules. The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by the laws of the State of Iowa. Nothing in this Agreement is intended to affect any other agreement between MidAmerican and the interconnection customer.
- 15) Survival Rights. This Agreement shall remain in effect after termination to the extent necessary to allow or require either Party to fulfill rights or obligations that arose under the Agreement.
- 16) Assignment/Transfer of Ownership of the Distributed Generation Facility. This Agreement shall terminate upon the transfer of ownership of the distributed generation facility to a new owner unless the transferring owner assigns the Agreement to the new owner, the new owner agrees in writing to the terms of this agreement, and the transferring owner so notifies MidAmerican in writing prior to the transfer of ownership.
- 17) Definitions. Any term used herein and not defined shall have the same meaning as the defined terms used in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1).
- 18) Notice. The Parties may mutually agree to provide notices, demands, comments, or requests by electronic means such as e-mail. Absent agreement to electronic communication, or unless otherwise provided in this Agreement, any written notice, demand, or request required or authorized in connection with this Agreement shall be deemed properly given when receipt is confirmed after notices are delivered in person, delivered by recognized national courier service, or sent by first class mail, postage prepaid, return receipt requested to the person specified below:

If Notice is to Interconnection Customer:

Use the contact information provided in the interconnection customer's application. The interconnection customer is responsible for notifying MidAmerican of any change in the contact party information, including change of ownership.

If Notice is to MidAmerican:

Use the contact information provided below. MidAmerican is responsible for notifying the interconnection customer of any change in the contact party information.

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_

Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

- 19) Interruptions. MidAmerican is not responsible for any lost opportunity or other costs incurred by the interconnection customer as a result of an interruption of service.

**199—45.15(476) Appendix B – Standard certificate of completion**

CERTIFICATE OF COMPLETION

(To be completed and returned to MidAmerican when installation is complete and final electric inspector approval has been obtained – Use contact information provided on MidAmerican’s web page for generator interconnection to obtain mailing address/fax number/e-mail address)

Interconnection Customer Information

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Installer: \_\_\_\_\_ Check if owner-installed: \_\_\_\_

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Final Electric Inspection and Interconnection Customer Signature

The distributed generation facility is complete and has been approved by the local electric inspector having jurisdiction. A signed copy of the electric inspector’s form indicating final approval is attached. The interconnection customer acknowledges that it shall not operate the distributed generation facility until receipt of the final acceptance and approval by MidAmerican as provided below.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
(Signature of interconnection customer)

Printed Name: \_\_\_\_\_

Check if copy of signed electric inspection form is attached: \_\_\_\_  
Check if copy of as built documents is attached (projects larger than 10 kVA only): \_\_\_\_

.....

Acceptance and Final Approval for Interconnection (for MidAmerican use only)

The interconnection agreement is approved and the distributed generation facility is approved for interconnected operation upon the signing and return of this Certificate of Completion by MidAmerican:

Electric Distribution Company waives Witness Test? (Initial) Yes (\_\_\_\_) No (\_\_\_\_)

If not waived, date of successful Witness Test: \_\_\_\_\_ Passed: (Initial) (\_\_\_\_)

MidAmerican Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**199—45.16(476) Appendix C – Levels 2 to 4: standard application form**

LEVELS 2 TO 4:  
STANDARD INTERCONNECTION REQUEST APPLICATION FORM

Interconnection Customer Contact Information

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Alternative Contact Information (if different from Customer Contact Information)

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Facility Address (if different from above): \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Utility Serving Facility Site: \_\_\_\_\_  
Account Number of Facility Site (existing utility customers): \_\_\_\_\_  
Inverter Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

Equipment Contractor

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Electrical Contractor (if different from Equipment Contractor)

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_  
Facsimile Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_  
License Number: \_\_\_\_\_

Electric Service Information for Customer Facility where Generator will be Interconnected

Capacity: \_\_\_\_\_(Amps) Voltage: \_\_\_\_\_(Volts)  
Type of Service: \_\_\_ Single Phase \_\_\_ Three Phase

If 3 Phase Transformer, Indicate Type:

Primary Winding \_\_\_ Wye \_\_\_ Delta  
Secondary Winding \_\_\_ Wye \_\_\_ Delta

Transformer Size: \_\_\_\_\_ Impedance: \_\_\_\_\_

Intent of Generation

- Offset Load (Unit will operate in parallel, but will not export power to MidAmerican)
- Net Metering (Unit will operate in parallel and will export power to MidAmerican pursuant to Iowa Utilities Board rule 199 IAC 15.11(5) and MidAmerican's net metering or net billing tariff)
- Self-Use and Sales to the Utility (Unit will operate in parallel and may export and sell excess power to MidAmerican pursuant to Iowa Utilities Board rule 199 IAC 15.5 and MidAmerican's tariff)
- Wholesale Market Transaction (Unit will operate in parallel and participate in MISO or other wholesale power markets pursuant to separate requirements and agreements with MISO or other transmission providers, and applicable rules of the Federal Energy Regulatory Commission)
- Back-up Generation (Units that temporarily operate in parallel with the electric distribution system for more than 100 milliseconds)

Note: Backup units that do not operate in parallel for more than 100 milliseconds do not need an interconnection agreement.

Generator & Prime Mover Information

Energy Source (Hydro, Wind, Solar, Process Byproduct, Biomass, Oil, Natural Gas, Coal, etc.): \_\_\_\_\_

Energy Converter Type (Wind Turbine, Photovoltaic Cell, Fuel Cell, Steam Turbine, etc.): \_\_\_\_\_

Generator Size: \_\_\_\_\_ kW or \_\_\_\_\_ kVA      Number of Units: \_\_\_\_\_

Total Capacity: \_\_\_\_\_ kW or \_\_\_\_\_ kVA

Generator Type (Check one):

Induction     Inverter     Synchronous     Other: \_\_\_\_\_

Requested Procedure Under Which to Evaluate Interconnection Request

Please indicate below which review procedure applies to the interconnection request. The review procedure used is subject to confirmation by MidAmerican.

- Level 2 – Lab-certified interconnection equipment with an aggregate electric nameplate capacity less than or equal to 2 MVA. Lab-certified is defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1). (Application fee is \$100 plus \$1.00 per kVA.)
  
- Level 3 – Distributed generation facility does not export power. Nameplate capacity rating is less than or equal to 50 kVA if connecting to area network or less than or equal to 10 MVA if connecting to a radial distribution feeder. (Application fee amount is \$500 plus \$2.00 per kVA.)
  
- Level 4 – Nameplate capacity rating is less than or equal to 10 MVA and the distributed generation facility does not qualify for a Level 1, Level 2, or Level 3 review, or the distributed generation facility has been reviewed but not approved under a Level 1, Level 2, or Level 3 review. (Application fee amount is \$1,000 plus \$2.00 per kVA, to be applied toward any subsequent studies related to this application.)

Note: Descriptions for interconnection review categories do not list all criteria that must be satisfied. For a complete list of criteria, please refer to Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45).

Distributed Generation Facility Information:

Commissioning Test Date: \_\_\_\_\_

List interconnection components/systems to be used in the distributed generation facility that are lab-certified.

Component/System	NRTL Providing Label & Listing
1. _____	
2. _____	
3. _____	
4. _____	
5. _____	

Please provide copies of manufacturer brochures or technical specifications.

Energy Production Equipment/Inverter Information:

Synchronous     Induction     Inverter     Other: \_\_\_\_\_  
 Rating: \_\_\_\_\_ kW                      Rating: \_\_\_\_\_ kVA  
 Rated Voltage: \_\_\_\_\_ Volts  
 Rated Current: \_\_\_\_\_ Amps  
 System Type Tested (Total System):  Yes     No; attach product literature

For Synchronous Machines:

Note: Contact MidAmerican to determine if all the information requested in this section is required for the proposed distributed generation facility.

Manufacturer: \_\_\_\_\_

Model No.: \_\_\_\_\_ Version No.: \_\_\_\_\_

Submit copies of the Saturation Curve and the Vee Curve

Salient     Non-Salient

Torque: \_\_\_\_\_ lb-ft    Rated RPM: \_\_\_\_\_    Field Amperes: \_\_\_\_\_ at rated generator voltage and current and \_\_\_\_\_ % PF over-excited

Type of Exciter: \_\_\_\_\_

Output Power of Exciter: \_\_\_\_\_

Type of Voltage Regulator: \_\_\_\_\_

Locked Rotor Current: \_\_\_\_\_ Amps    Synchronous Speed: \_\_\_\_\_ RPM

Winding Connection: \_\_\_\_\_    Min. Operating Freq./Time: \_\_\_\_\_

Generator Connection:  Delta     Wye     Wye Grounded

Direct-axis Synchronous Reactance: (Xd) \_\_\_\_\_ ohms

Direct-axis Transient Reactance: (X'd) \_\_\_\_\_ ohms

Direct-axis Sub-transient Reactance: (X"d) \_\_\_\_\_ ohms  
Negative Sequence Reactance: \_\_\_\_\_ ohms  
Zero Sequence Reactance: \_\_\_\_\_ ohms  
Neutral Impedance or Grounding Resister (if any): \_\_\_\_\_ ohms

For Induction Machines:

Note: Contact MidAmerican to determine if all the information requested in this section is required for the proposed distributed generation facility.

Manufacturer: \_\_\_\_\_  
Model No.: \_\_\_\_\_ Version No.: \_\_\_\_\_  
Locked Rotor Current: \_\_\_\_\_ Amps  
Rotor Resistance (Rr): \_\_\_\_\_ ohms Exciting Current: \_\_\_\_\_ Amps  
Rotor Reactance (Xr): \_\_\_\_\_ ohms Reactive Power Required: \_\_\_\_\_  
Magnetizing Reactance (Xm): \_\_\_\_\_ ohms \_\_\_\_\_ VARs (No Load)  
Stator Resistance (Rs): \_\_\_\_\_ ohms \_\_\_\_\_ VARs (Full Load)  
Stator Reactance (Xs): \_\_\_\_\_ ohms  
Short Circuit Reactance (X"d): \_\_\_\_\_ ohms  
Phases: \_\_\_\_\_ Single \_\_\_\_\_ Three-Phase  
Frame Size: \_\_\_\_\_ Design Letter: \_\_\_\_\_ Temp. Rise: \_\_\_\_\_ °C.

Reverse Power Relay Information (Level 3 Review Only):

Manufacturer: \_\_\_\_\_  
Relay Type: \_\_\_\_\_ Model Number: \_\_\_\_\_  
Reverse Power Setting: \_\_\_\_\_  
Reverse Power Time Delay (if any): \_\_\_\_\_

Additional Information For Inverter-Based Facilities:

Inverter Information:

Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_  
Type: \_\_\_\_\_ Forced Commutated \_\_\_\_\_ Line Commutated  
Rated Output: \_\_\_\_\_ Watts \_\_\_\_\_ Volts  
Efficiency: \_\_\_\_\_% Power Factor: \_\_\_\_\_%  
Inverter UL1741 Listed: \_\_\_\_\_ Yes \_\_\_\_\_ No

DC Source / Prime Mover:

Rating: \_\_\_\_\_ kW                      Rating: \_\_\_\_\_ kVA

Rated Voltage: \_\_\_\_\_ Volts

Open Circuit Voltage (if applicable): \_\_\_\_\_ Volts

Rated Current: \_\_\_\_\_ Amps

Short Circuit Current (if applicable): \_\_\_\_\_ Amps

Other Facility Information:

One Line Diagram – A basic drawing of an electric circuit in which one or more conductors are represented by a single line and each electrical device and major component of the installation, from the generator to the point of interconnection, are noted by symbols.

One Line Diagram attached: \_\_\_ Yes

Plot Plan – A map showing the distributed generation facility's location in relation to streets, alleys, or other geographic markers.

Plot Plan attached: \_\_\_ Yes

Customer Signature:

I hereby certify that all of the information provided in this Interconnection Request Application Form is true.

Applicant Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

An application fee is required before the application can be processed. Please verify that the appropriate fee is included with the application:

Amount: \_\_\_\_\_

MidAmerican Acknowledgement:

Receipt of the application fee is acknowledged and this interconnection request is complete.

MidAmerican Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**199—45.17(476) Appendix D – Levels 2 to 4: standard distributed generation interconnection agreement**

LEVELS 2 TO 4:  
STANDARD INTERCONNECTION AGREEMENT  
(For Distributed Generation Facilities with a capacity of 10 MVA or less)

This agreement ("Agreement") is made and entered into this \_\_\_\_ day of \_\_\_\_\_, by and between \_\_\_\_\_ ("interconnection customer"), as an individual person, or as a \_\_\_\_\_ organized and existing under the laws of the State of \_\_\_\_\_, and \_\_\_\_\_, ("MidAmerican"), a \_\_\_\_\_ existing under the laws of the State of Iowa. Interconnection customer and MidAmerican each may be referred to as a "Party," or collectively as the "Parties."

Recitals:

Whereas, interconnection customer is proposing to install or direct the installation of a distributed generation facility, or is proposing a generating capacity addition to an existing distributed generation facility, consistent with the interconnection request application form completed by interconnection customer on \_\_\_\_\_; and

Whereas, the interconnection customer will operate and maintain, or cause the operation and maintenance of, the distributed generation facility; and

Whereas, interconnection customer desires to interconnect the distributed generation facility with MidAmerican's electric distribution system.

Now, therefore, in consideration of the premises and mutual covenants set forth in this Agreement, the Parties covenant and agree as follows:

Article 1.     Scope and Limitations of Agreement

- 1.1     This Agreement shall be used for all approved interconnection requests for distributed generation facilities that fall under Levels 2, 3, and 4 according to the procedures set forth in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45).
- 1.2     This Agreement governs the terms and conditions under which the distributed generation facility will interconnect to, and operate in parallel with, MidAmerican's electric distribution system.
- 1.3     This Agreement does not constitute an agreement to purchase or deliver the interconnection customer's power.

- 1.4 Nothing in this Agreement is intended to affect any other agreement between MidAmerican and the interconnection customer.
- 1.5 Terms used in this agreement are defined in Attachment 1 hereto or in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1) unless otherwise noted.
- 1.6 Responsibilities of the Parties
  - 1.6.1 The Parties shall perform all obligations of this Agreement in accordance with all applicable laws, regulations, codes, ordinances, orders, or similar directives of any government or other authority having jurisdiction.
  - 1.6.2 MidAmerican shall construct, own, operate, and maintain its interconnection facilities in accordance with this Agreement.
  - 1.6.3 The interconnection customer shall construct, own, operate, and maintain its distributed generation facility and interconnection facilities in accordance with this Agreement.
  - 1.6.4 Each Party shall operate, maintain, repair, and inspect, and shall be fully responsible for, the facilities that it now or subsequently may own unless otherwise specified in the attachments to this Agreement. Each Party shall be responsible for the safe installation, maintenance, repair, and condition of its respective lines and appurtenances on its respective sides of the point of interconnection.
  - 1.6.5 The interconnection customer agrees to design, install, maintain, and operate its distributed generation facility so as to minimize the likelihood of causing an adverse system impact on the electric distribution system or any other electric system that is not owned or operated by MidAmerican.

#### 1.7 Parallel Operation Obligations

Once the distributed generation facility has been authorized to commence parallel operation, the interconnection customer shall abide by all operating procedures established in IEEE Standard 1547 and any other applicable laws, statutes or guidelines, including those specified in Attachment 4 of this Agreement.

#### 1.8 Metering

The interconnection customer shall be responsible for the cost to purchase, install, operate, maintain, test, repair, and replace metering and data acquisition equipment specified in Attachments 5 and 6 of this Agreement.

## 1.9 Reactive Power

- 1.9.1 Interconnection customers with a distributed generation facility larger than or equal to 1 MVA shall design their distributed generation facilities to maintain a power factor at the point of interconnection between 0.95 lagging and 0.95 leading at all times. Interconnection customers with a distributed generation facility smaller than 1 MVA shall design their distributed generation facility to maintain a power factor at the point of interconnection between 0.90 lagging and 0.90 leading at all times.
- 1.9.2 Any MidAmerican requirements for meeting a specific voltage or specific reactive power schedule as a condition for interconnection shall be clearly specified in Attachment 4. Under no circumstance shall MidAmerican's additional requirements for voltage or reactive power schedules be outside of the agreed-upon operating parameters defined in Attachment 4.
- 1.9.3 If the interconnection customer does not operate the distributed generation facility within the power factor range specified in Attachment 4, or does not operate the distributed generation facility in accordance with a voltage or reactive power schedule specified in Attachment 4, the interconnection customer is in default, and the terms of Article 6.5 apply.

## 1.10 Standards of Operations

The interconnection customer must obtain all certifications, permits, licenses, and approvals necessary to construct, operate, and maintain the facility and to perform its obligations under this Agreement. The interconnection customer is responsible for coordinating and synchronizing the distributed generation facility with MidAmerican's system. The interconnection customer is responsible for any damage that is caused by the interconnection customer's failure to coordinate or synchronize the distributed generation facility with the electric distribution system. The interconnection customer agrees to be primarily liable for any damages resulting from the continued operation of the distributed generation facility after MidAmerican ceases to energize the line section to which the distributed generation facility is connected. In Attachment 4, MidAmerican shall specify the shortest reclose time setting for its protection equipment that could affect the distributed generation facility. MidAmerican shall notify the interconnection customer at least 10 business days prior to adopting a faster reclose time on any automatic protective equipment, such as a circuit breaker or line recloser, that might affect the distributed generation facility.

## Article 2. Inspection, Testing, Authorization, and Right of Access

### 2.1 Equipment Testing and Inspection

The interconnection customer shall test and inspect its distributed generation facility including the interconnection equipment prior to interconnection in accordance with IEEE Standard 1547 (2003) and IEEE Standard 1547.1 (2005). The interconnection customer shall not operate its distributed generation facility in parallel with MidAmerican's electric distribution system without prior written authorization by MidAmerican as provided for in Articles 2.1.1-2.1.3.

2.1.1 MidAmerican shall perform a witness test after construction of the distributed generation facility is completed, but before parallel operation, unless MidAmerican specifically waives the witness test. The interconnection customer shall provide MidAmerican at least 15 business days notice of the planned commissioning test for the distributed generation facility. If MidAmerican performs a witness test at a time that is not concurrent with the commissioning test, it shall contact the interconnection customer to schedule the witness test at a mutually agreeable time within 10 business days after the scheduled commissioning test designated on the application. If MidAmerican does not perform the witness test within 10 business days after the commissioning test, the witness test is deemed waived unless the Parties mutually agree to extend the date for scheduling the witness test, or unless MidAmerican cannot do so for good cause, in which case, the Parties shall agree to another date for scheduling the test within 10 business days after the original scheduled date. If the witness test is not acceptable to MidAmerican, the interconnection customer has 30 business days to address and resolve any deficiencies. This time period may be extended upon agreement in writing between MidAmerican and the interconnection customer. If the interconnection customer fails to address and resolve the deficiencies to the satisfaction of MidAmerican, the applicable cure provisions of Article 6.5 shall apply. The interconnection customer shall, if requested by MidAmerican, provide a copy of all documentation in its possession regarding testing conducted pursuant to IEEE Standard 1547.1.

2.1.2 If the interconnection customer conducts interim testing of the distributed generation facility prior to the witness test, the interconnection customer shall obtain permission from MidAmerican before each occurrence of operating the distributed generation facility in parallel with the electric distribution system. MidAmerican may, at its own expense, send qualified personnel to the distributed generation facility to observe such interim testing, but it cannot mandate that these tests be considered in the final witness test. MidAmerican is not required to observe the interim testing or precluded from requiring the tests be repeated at the final witness test.

2.1.3 After the distributed generation facility passes the witness test, MidAmerican shall affix an authorized signature to the certificate of completion and return it to the interconnection customer approving the interconnection and authorizing parallel operation. The authorization shall not be conditioned or delayed.

## 2.2 Commercial Operation

The interconnection customer shall not operate the distributed generation facility, except for interim testing as provided in Article 2.1, until such time as the certificate of completion is signed by all Parties.

## 2.3 Right of Access

MidAmerican must have access to the isolation device or disconnect switch and metering equipment of the distributed generation facility at all times. When practical, MidAmerican shall provide notice to the customer prior to using its right of access.

## Article 3. Effective Date, Term, Termination, and Disconnection

### 3.1 Effective Date

This Agreement shall become effective upon execution by all Parties.

### 3.2 Term of Agreement

This Agreement shall become effective on the effective date and shall remain in effect unless terminated in accordance with Article 3.3 of this Agreement.

### 3.3 Termination

3.3.1 The interconnection customer may terminate this Agreement at any time by giving MidAmerican 30 calendar days prior written notice.

3.3.2 Either Party may terminate this Agreement after default pursuant to Article 6.5.

3.3.3 MidAmerican may terminate, upon 60 calendar days' prior written notice, for failure of the interconnection customer to complete construction of the distributed generation facility within 12 months after the in-service date as specified by the Parties in Attachment 2, which may be extended by mutual written agreement between the Parties prior to the expiration of the 12-month period.

- 3.3.4 MidAmerican may terminate this Agreement, upon 60 calendar days' prior written notice, if the interconnection customer has abandoned, cancelled, permanently disconnected or stopped development, construction, or operation of the distributed generation facility, or if the interconnection customer fails to operate the distributed generation facility in parallel with MidAmerican's electric system for three consecutive years.
- 3.3.5 Upon termination of this Agreement, the distributed generation facility will be disconnected from MidAmerican's electric distribution system. Terminating this Agreement does not relieve either Party of its liabilities and obligations that are owed or continuing when the Agreement is terminated.
- 3.3.6 If the Agreement is terminated, the interconnection customer loses its position in the interconnection review order.

#### 3.4 Temporary Disconnection

A Party may temporarily disconnect the distributed generation facility from the electric distribution system in the event one or more of the following conditions or events occurs:

- 3.4.1 Emergency conditions – Shall mean any condition or situation: (1) that in the judgment of the Party making the claim is likely to endanger life or property; or (2) that MidAmerican determines is likely to cause an adverse system impact, or is likely to have a material adverse effect on MidAmerican's electric distribution system, interconnection facilities or other facilities, or is likely to interrupt or materially interfere with the provision of electric utility service to other customers; or (3) that is likely to cause a material adverse effect on the distributed generation facility or the interconnection equipment. Under emergency conditions, MidAmerican or the interconnection customer may suspend interconnection service and temporarily disconnect the distributed generation facility from the electric distribution system without giving notice to the other Party, provided that it gives notice as soon as practicable thereafter. MidAmerican must notify the interconnection customer when it becomes aware of any conditions that might affect the interconnection customer's operation of the distributed generation facility. The interconnection customer shall notify MidAmerican when it becomes aware of any condition that might affect MidAmerican's electric distribution system. To the extent information is known, the notification shall describe the condition, the extent of the damage or deficiency, the expected effect on the operation of both Parties' facilities and operations, its anticipated duration, and the necessary corrective action.

- 3.4.2 Scheduled maintenance, construction, or repair –MidAmerican may interrupt interconnection service or curtail the output of the distributed generation facility and temporarily disconnect the distributed generation facility from MidAmerican’s electric distribution system when necessary for scheduled maintenance, construction, or repairs on MidAmerican’s electric distribution system. To the extent possible, MidAmerican shall provide the interconnection customer with notice five business days before an interruption. MidAmerican shall coordinate the reduction or temporary disconnection with the interconnection customer; however, the interconnection customer is responsible for out-of-pocket costs incurred by MidAmerican for deferring or rescheduling maintenance, construction, or repair at the interconnection customer’s request.
- 3.4.3 Forced outages –MidAmerican may suspend interconnection service to repair MidAmerican’s electric distribution system. MidAmerican shall provide the interconnection customer with prior notice, if possible. If prior notice is not possible, MidAmerican shall, upon written request, provide the interconnection customer with written documentation, after the fact, explaining the circumstances of the disconnection.
- 3.4.4 Adverse system impact –MidAmerican must provide the interconnection customer with written notice of its intention to disconnect the distributed generation facility, if MidAmerican determines that operation of the distributed generation facility creates an adverse system impact. The documentation that supports MidAmerican’s decision to disconnect must be provided to the interconnection customer. MidAmerican may disconnect the distributed generation facility if, after receipt of the notice, the interconnection customer fails to remedy the adverse system impact within 12 days, unless emergency conditions exist, in which case, the provisions of Article 3.4.1 apply. MidAmerican may continue to leave the generating facility disconnected until the adverse system impact is corrected to the satisfaction of both MidAmerican and the adversely-impacted customer.
- 3.4.5 Modification of the distributed generation facility – The interconnection customer must receive written authorization from MidAmerican prior to making any change to the distributed generation facility, other than a minor equipment modification. If the interconnection customer modifies its facility without MidAmerican’s prior written authorization, MidAmerican has the right to disconnect the distributed generation facility until such time as MidAmerican concludes the modification poses no threat to the safety or reliability of its electric distribution system.
- 3.4.6 Unauthorized connection to MidAmerican’s electric distribution system.

- 3.4.7 Failure of the distributed generation facility to operate in accordance with this Agreement or the applicable requirements of 199 IAC Chapters 15 or 45.
- 3.4.8 MidAmerican is not responsible for any lost opportunity or other costs incurred by interconnection customer as a result of an interruption of service under Article 3.

Article 4. Cost Responsibility for Interconnection Facilities and Distribution Upgrades

4.1 Interconnection Facilities

- 4.1.1 The interconnection customer shall pay for the cost of the interconnection facilities itemized in Attachment 3. MidAmerican shall identify the additional interconnection facilities necessary to interconnect the distributed generation facility with MidAmerican's electric distribution system, the cost of those facilities, and the time required to build and install those facilities, as well as an estimated date of completion of the building or installation of those facilities.
- 4.1.2 The interconnection customer is responsible for its expenses, including overheads, associated with owning, operating, maintaining, repairing, and replacing its interconnection equipment.

4.2 Distribution Upgrades

MidAmerican shall design, procure, construct, install, and own any distribution upgrades. The actual cost of the distribution upgrades, including overheads, shall be directly assigned to the interconnection customer whose distributed generation facility caused the need for the distribution upgrades.

Article 5. Billing, Payment, Milestones, and Financial Security

5.1 Billing and Payment Procedures and Final Accounting (Applies to additional reviews conducted under a Level 2 review and Level 4 reviews)

- 5.1.1 MidAmerican shall bill the interconnection customer for the design, engineering, construction, and procurement costs of MidAmerican - provided interconnection facilities and distribution upgrades contemplated by this Agreement as set forth in Attachment 3. The billing shall occur on a monthly basis, or as otherwise agreed to between the Parties. The interconnection customer shall pay each billing invoice within 30 calendar

days after receipt, or as otherwise agreed to between the Parties, if a balance due is showing after any customer deposit funds have been expended.

- 5.1.2 Within 90 calendar days after completing the construction and installation of MidAmerican's interconnection facilities and distribution upgrades described in Attachments 2 and 3 to this Agreement, MidAmerican shall provide the interconnection customer with a final accounting report of any difference between: (1) the actual cost incurred to complete the construction and installation of MidAmerican's interconnection facilities and distribution upgrades; and (2) the interconnection customer's previous deposit and aggregate payments to MidAmerican for the interconnection facilities and distribution upgrades. If the interconnection customer's cost responsibility exceeds its previous deposit and aggregate payments, MidAmerican shall invoice the interconnection customer for the amount due and the interconnection customer shall make payment to MidAmerican within 30 calendar days. If the interconnection customer's previous deposit and aggregate payments exceed its cost responsibility under this Agreement, MidAmerican shall refund to the interconnection customer an amount equal to the difference within 30 calendar days after the final accounting report. Upon request from the interconnection customer, if the difference between the budget estimate and the actual cost exceeds 20%, MidAmerican will provide a written explanation for the difference.
- 5.1.3 If a Party disputes any portion of its payment obligation pursuant to this Article 5, the Party shall pay in a timely manner all non-disputed portions of its invoice, and the disputed amount shall be resolved pursuant to the dispute resolution provisions contained in Article 8. A Party disputing a portion of an Article 5 payment shall not be considered to be in default of its obligations under this Article.

## 5.2 Interconnection Customer Deposit

At least 20 business days prior to the commencement of the design, procurement, installation, or construction of MidAmerican's interconnection facilities and distribution upgrades, the interconnection customer shall provide MidAmerican with a deposit equal to 100% of the estimated, nonbinding cost to procure, install, or construct any such facilities. However, when the estimated date of completion of the building or installation of facilities exceeds three months from the date of payment of the deposit, pursuant to Article 4.1.1 of this Agreement, this deposit may be held by MidAmerican and will accrue interest in accordance with 199 IAC 20.4(4), with any interest to inure to the benefit of the interconnection customer.

## Article 6. Assignment, Limitation on Damages, Indemnity, Force Majeure, and Default

### 6.1 Assignment

This Agreement may be assigned by either Party with the prior consent of the other Party. If the interconnection customer attempts to assign this Agreement, the assignee must agree to the terms of this Agreement in writing and such writing must be provided to MidAmerican. Any attempted assignment that violates this Article is void and ineffective. Assignment shall not relieve a Party of its obligations, nor shall a Party's obligations be enlarged, in whole or in part, by reason of the assignment. An assignee is responsible for meeting the same obligations as the assignor.

6.1.1 Either Party may assign this Agreement without the consent of the other Party to any affiliate (including mergers, consolidations, or transfers or a sale of a substantial portion of the Party's assets, between the Party and another entity), of the assigning Party that has an equal or greater credit rating and the legal authority and operational ability to satisfy the obligations of the assigning Party under this Agreement.

6.1.2 The interconnection customer can assign this Agreement, without the consent of MidAmerican, for collateral security purposes to aid in providing financing for the distributed generation facility.

### 6.2 Limitation on Damages

Except for cases of gross negligence or willful misconduct, the liability of any Party to this Agreement shall be limited to direct actual damages, including death, bodily injury, third party claims, and reasonable attorney's fees, and all other damages at law are waived. Under no circumstances, except for cases of gross negligence or willful misconduct, shall any Party or its directors, officers, employees, and agents, or any of them, be liable to another Party, whether in tort, contract, or other basis in law or equity for any special, indirect, punitive, exemplary, or consequential damages, including lost profits, lost revenues, replacement power, cost of capital, or replacement equipment. This limitation on damages shall not affect any Party's rights to obtain equitable relief, including specific performance, as otherwise provided in this Agreement. The provisions of this Article 6.2 shall survive the termination or expiration of the Agreement.

### 6.3 Indemnity

6.3.1 This provision protects each Party from liability incurred as a result of carrying out the provisions of this Agreement. Liability under this provision is exempt from the general limitations on liability found in Article 6.2.

- 6.3.2 The interconnection customer shall indemnify and defend MidAmerican and MidAmerican 's directors, officers, employees, and agents, from all claims, damages, and expenses, including reasonable attorney's fees, to the extent resulting from the interconnection customer's negligent installation, operation, modification, maintenance, or removal of its distributed generation facility or interconnection facilities, or the interconnection customer's willful misconduct or breach of this Agreement.
- 6.3.3 MidAmerican shall indemnify and defend the interconnection customer and the interconnection customer's directors, officers, employees, and agents from all claims, damages, and expenses, including reasonable attorney's fees, to the extent resulting from MidAmerican's negligent installation, operation, modification, maintenance, or removal of its interconnection facilities or electric distribution system, or MidAmerican's willful misconduct or breach of this Agreement.
- 6.3.4 Within 5 business days after receipt by an indemnified Party of any claim or notice that an action or administrative or legal proceeding or investigation as to which the indemnity provided for in this Article may apply has commenced, the indemnified Party shall notify the indemnifying Party of such fact. The failure to notify, or a delay in notification, shall not affect a Party's indemnification obligation unless that failure or delay is materially prejudicial to the indemnifying Party.
- 6.3.5 If an indemnified Party is entitled to indemnification under this Article as a result of a claim, and the indemnifying Party fails, after notice and reasonable opportunity to proceed under this Article, to assume the defense of such claim, that indemnified Party may, at the expense of the indemnifying Party, contest, settle, or consent to the entry of any judgment with respect to, or pay in full, the claim.
- 6.3.6 If an indemnifying Party is obligated to indemnify and hold any indemnified Party harmless under this Article, the amount owing to the indemnified person shall be the amount of the indemnified Party's actual loss, net of any insurance or other recovery by the indemnified party.

#### 6.4 Force Majeure

- 6.4.1 As used in this Article, a force majeure event shall mean any act of God, labor disturbance, act of the public enemy, war, acts of terrorism, insurrection, riot, fire, storm or flood, explosion, breakage, or accident to machinery or equipment through no direct, indirect, or contributory act of a Party, any order, regulation or restriction imposed by governmental, military, or lawfully established civilian authorities (e.g., MISO), or any

other cause beyond a Party's control. A force majeure event does not include an act of gross negligence or intentional wrongdoing by the Party claiming force majeure.

6.4.2 If a force majeure event prevents a Party from fulfilling any obligations under this Agreement, the Party affected by the force majeure event ("Affected Party") shall notify the other Party of the existence of the force majeure event as soon as reasonably possible. The notification will specify the circumstances of the force majeure event, its expected duration (if known), and the steps that the Affected Party is taking and will take to mitigate the effects of the event on its performance (if known). If the initial notification is verbal, it must be followed up with a written notification promptly thereafter. The Affected Party shall keep the other Party informed on a periodic basis of developments relating to the force majeure event until the event ends. The Affected Party may suspend or modify its obligations under this Agreement without liability only to the extent that the effect of the force majeure event cannot be otherwise mitigated.

## 6.5 Default

6.5.1 No default shall exist when the failure to discharge an obligation results from a force majeure event as defined in this Agreement, or the result of an act or omission of the other Party.

6.5.2 A Party shall be in default ("Default") of this Agreement if it fails in any material respect to comply with, observe, or perform, or defaults in the performance of, any covenant or obligation under this Agreement and fails to cure the failure within 60 calendar days after receiving written notice from the other Party. Upon a default of this Agreement, the non-defaulting Party shall give written notice of the default to the defaulting Party. Except as provided in Article 6.5.3, the defaulting Party has 60 calendar days after receipt of the default notice to cure the default; provided, however, if the default cannot be cured within 60 calendar days, the defaulting Party shall commence the cure within 20 calendar days after original notice and complete the cure within six months from receipt of the default notice; and, if cured within that time, the default specified in the notice shall cease to exist.

6.5.3 If a Party has assigned this Agreement in a manner that is not specifically authorized by Article 6.1, fails to provide reasonable access pursuant to Article 2.3, and is in default of its obligations pursuant to Article 7, or if a Party is in default of its payment obligations pursuant to Article 5 of this Agreement, the defaulting Party has 30 days from receipt of the default notice to cure the default.

6.5.4 If a default is not cured as provided for in this Article, or if a default is not capable of being cured within the period provided for in this Article, the non-defaulting Party shall have the right to terminate this Agreement without liability by written notice, and be relieved of any further obligation under this Agreement and, whether or not that Party terminates this Agreement, to recover from the defaulting Party all amounts due under this Agreement, plus all other damages and remedies to which it is entitled at law or in equity. The provisions of this Article shall survive termination of this Agreement.

#### Article 7. Insurance

- 7.1 For distributed generation facilities with a nameplate capacity less than 1 MVA, the interconnection customer shall carry general liability insurance coverage, such as, but not limited to, homeowner's insurance.
- 7.2 For distributed generation facilities with a nameplate capacity of 1 MVA or above, the interconnection customer shall carry sufficient insurance coverage so that the maximum comprehensive/general liability coverage that is continuously maintained by the interconnection customer during the term shall be not less than \$2,000,000 for each occurrence, and an aggregate, if any, of at least \$4,000,000. MidAmerican, its officers, employees, and agents shall be added as an additional insured on this policy. The interconnection customer agrees to provide MidAmerican with at least 30 calendar days advance written notice of cancellation, reduction in limits, or non-renewal of any insurance policy required by this Article.

#### Article 8. Dispute Resolution

- 8.1 Parties shall attempt to resolve all disputes regarding interconnection as provided in this Article in a good faith manner.
- 8.2 If there is a dispute between the Parties about an interpretation of the Agreement, the aggrieved Party shall issue a written notice to the other Party to the agreement that specifies the dispute and the Agreement articles that are disputed.
- 8.3 A meeting between the Parties shall be held within ten business days after receipt of the written notice. Persons with decision-making authority from each Party shall attend the meeting. If the dispute involves technical issues, persons with sufficient technical expertise and familiarity with the issue in dispute from each Party shall also attend the meeting. If the Parties agree, the meeting may be conducted by teleconference.

- 8.4 After the first meeting, each Party may seek resolution through the Iowa Utilities Board Chapter 6 complaint procedures (199 IAC 6). Dispute resolution under these procedures will initially be conducted informally under 199 IAC 6.2 through 6.4 to minimize cost and delay. If any party is dissatisfied with the outcome of the informal process, they may file a formal complaint with the Board under 199 IAC 6.5.
- 8.5 Pursuit of dispute resolution may not affect an interconnection request or an interconnection applicant's position in MidAmerican's interconnection review order.
- 8.6 If the Parties fail to resolve their dispute under the dispute resolution provisions of this Article, nothing in this Article shall affect any Party's rights to obtain equitable relief, including specific performance, as otherwise provided in this Agreement.

## Article 9. Miscellaneous

### 9.1 Governing Law, Regulatory Authority, and Rules

The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by the laws of the State of Iowa, without regard to its conflicts of law principles. This Agreement is subject to all applicable laws and regulations. Each Party expressly reserves the right to seek change in, appeal, or otherwise contest any laws, orders, or regulations of a governmental authority. The language in all parts of this Agreement shall in all cases be construed as a whole, according to its fair meaning, and not strictly for or against MidAmerican or interconnection customer, regardless of the involvement of either Party in drafting this Agreement.

### 9.2 Amendment

Modification of this Agreement shall be only by a written instrument duly executed by both Parties.

### 9.3 No Third-Party Beneficiaries

This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations in this Agreement assumed are solely for the use and benefit of the Parties, their successors in interest and, where permitted, their assigns.

## 9.4 Waiver

9.4.1 Except as otherwise provided in this Agreement, a Party's compliance with any obligation, covenant, agreement, or condition in this Agreement may be waived by the Party entitled to the benefits thereof only by a written instrument signed by the Party granting the waiver, but the waiver or failure to insist upon strict compliance with the obligation, covenant, agreement, or condition shall not operate as a waiver of, or estoppel with respect to, any subsequent or other failure.

9.4.2. Failure of any Party to enforce or insist upon compliance with any of the terms or conditions of this Agreement, or to give notice or declare this Agreement or the rights under this Agreement terminated, shall not constitute a waiver or relinquishment of any rights set out in this Agreement, but the same shall be and remain at all times in full force and effect, unless and only to the extent expressly set forth in a written document signed by that Party granting the waiver or relinquishing any such rights. Any waiver granted, or relinquishment of any right, by a Party shall not operate as a relinquishment of any other rights or a waiver of any other failure of the Party granted the waiver to comply with any obligation, covenant, agreement, or condition of this Agreement.

## 9.5 Entire Agreement

Except as provided in Article 9.1, this Agreement, including all attachments and the completed Standard Certificate of Completion (199 IAC 45.15), constitutes the entire Agreement between the Parties with reference to the subject matter of this Agreement, and supersedes all prior and contemporaneous understandings or agreements, oral or written, between the Parties with respect to the subject matter of this Agreement. There are no other agreements, representations, warranties, or covenants that constitute any part of the consideration for, or any condition to, either Party's compliance with its obligations under this Agreement.

## 9.6 Multiple Counterparts

This Agreement may be executed in two or more counterparts, each of which is deemed an original, but all constitute one and the same instrument.

## 9.7 No Partnership

This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties, or to impose any partnership obligation or partnership liability upon either Party.

Neither Party shall have any right, power, or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

#### 9.8 Severability

If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other governmental authority, (1) that portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by the ruling, and (3) the remainder of this Agreement shall remain in full force and effect.

#### 9.9 Environmental Releases

Each Party shall notify the other Party of the release of any hazardous substances, any asbestos or lead abatement activities, or any type of remediation activities related to the distributed generation facility or the interconnection facilities, each of which may reasonably be expected to affect the other Party. The notifying Party shall (1) provide the notice as soon as practicable, provided that Party makes a good faith effort to provide the notice no later than 24 hours after that Party becomes aware of the occurrence, and (2) promptly furnish to the other Party copies of any publicly available reports filed with any governmental authorities addressing such events.

#### 9.10 Subcontractors

Nothing in this Agreement shall prevent a Party from using the services of any subcontractor it deems appropriate to perform its obligations under this Agreement; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing services and each Party shall remain primarily liable to the other Party for the performance of the subcontractor.

9.10.1 A subcontract relationship does not relieve any Party of any of its obligations under this Agreement. The hiring Party remains responsible to the other Party for the acts or omissions of its subcontractor. Any applicable obligation imposed by this Agreement upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of the hiring Party.

9.10.2 The obligations under this Article cannot be limited in any way by any limitation of subcontractor's insurance.

Article 10. Notices

10.1 General

Unless otherwise provided in this Agreement, any written notice, demand, or request required or authorized in connection with this Agreement ("Notice") shall be deemed properly given if delivered in person, delivered by recognized national courier service, or sent by first class mail, postage prepaid, to the person specified below:

If Notice is to Interconnection Customer:

Interconnection Customer: \_\_\_\_\_  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

If Notice is to MidAmerican:

Utility: MidAmerican Energy Company  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

Alternative Forms of Notice:

Any notice or request required or permitted to be given by either Party to the other Party and not required by this Agreement to be in writing may be given by telephone, facsimile or e-mail to the telephone numbers and e-mail addresses set out above.

10.2 Billing and Payment

Billings and payments shall be sent to the contacts specified for Notices in Article 10.1 above, unless a different address is set out below:

If Billing or Payment is to Interconnection Customer:

Interconnection Customer: \_\_\_\_\_  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

If Billing or Payment is to MidAmerican:

Utility: MidAmerican Energy Company  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

10.3 Designated Operating Representative

The Parties may also designate operating representatives to conduct the communications that may be necessary or convenient for the administration of this Agreement. This person will also serve as the point of contact with respect to operations and maintenance of the Party's facilities. If no such operating representative is designated below, such notices will be sent to the contacts listed in Article 10.1 above.

Interconnection Customer's Operating Representative:

Name: \_\_\_\_\_  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

MidAmerican's Operating Representative:

Name: \_\_\_\_\_  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

10.4 Changes to the Notice Information

Either Party may change this notice information by giving five business days written notice before the effective date of the change.

Article 11. Signatures

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their respective duly authorized representatives.

For the Interconnection Customer:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

For MidAmerican:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

ATTACHMENT 1  
Levels 2 To 4: Standard Interconnection Agreement

Definitions

Adverse system impact – A negative effect that compromises the safety or reliability of the electric distribution system or materially affects the quality of electric service provided by MidAmerican to other customers.

AEP facility – An AEP facility as defined in 199 IAC 15 (Iowa Utilities Board Chapter 15 rules on Cogeneration and Small Power Production), used by an interconnection customer to generate electricity that operates in parallel with the electric distribution system. An AEP facility typically includes an electric generator and the interconnection equipment required to interconnect safely with the electric distribution system or local electric power system.

Applicable laws and regulations – All duly promulgated applicable federal, state and local laws, regulations, rules, ordinances, codes, decrees, judgments, directives, or judicial or administrative orders, permits and other duly authorized actions of any governmental authority, having jurisdiction over the Parties.

Commissioning test – Tests applied to a distributed generation facility by the applicant after construction is completed to verify that the facility does not create adverse system impacts. At a minimum, the scope of the commissioning tests performed shall include the commissioning test specified IEEE Standard 1547 Section 5.4 "Commissioning tests."

Distributed generation facility – A qualifying facility or an AEP facility.

Distribution upgrades – A required addition or modification to MidAmerican's electric distribution system at or beyond the point of interconnection to accommodate the interconnection of a distributed generation facility. Distribution upgrades do not include interconnection facilities.

Electric distribution system – The facilities and equipment used to transmit electricity to ultimate usage points such as homes and industries from interchanges with higher voltage transmission networks that transport bulk power over longer distances. The voltage levels at which electric distribution systems operate differ among areas but generally carry less than 100 kilovolts of electricity. Electric distribution system has the same meaning as the term Area EPS, as defined in 3.1.6.1 of IEEE Standard 1547.

Facilities study – An engineering study conducted by MidAmerican to determine the required modifications to MidAmerican's electric distribution system, including the cost and the time

required to build and install the modifications, as necessary to accommodate an interconnection request.

Force majeure event – Any act of God, labor disturbance, act of the public enemy, war, acts of terrorism, insurrection, riot, fire, storm or flood, explosion, breakage, or accident to machinery or equipment through no direct, indirect, or contributory act of a Party, any order, regulation, or restriction imposed by governmental, military, or lawfully established civilian authorities (e.g., MISO), or any other cause beyond a Party's control. A force majeure event does not include an act of gross negligence or intentional wrongdoing by the Party claiming force majeure.

Governmental authority – Any federal, state, local or other governmental regulatory or administrative agency, court, commission, department, board, other governmental subdivision, legislature, rulemaking board, tribunal, or other governmental authority having jurisdiction over the Parties, their respective facilities, or the respective services they provide, and exercising or entitled to exercise any administrative, executive, police, or taxing authority or power; provided, however, that this term does not include the interconnection customer, MidAmerican, or any affiliate of either.

IEEE Standard 1547 – The Institute of Electrical and Electronics Engineers, Inc. (IEEE), 3 Park Avenue, New York NY 10016-5997, Standard 1547 (2003), "Standard for Interconnecting Distributed Resources with Electric Power Systems."

IEEE Standard 1547.1 – The IEEE Standard 1547.1 (2005), "Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems."

Interconnection agreement or Agreement – The agreement between the interconnection customer and MidAmerican. The interconnection agreement governs the connection of the distributed generation facility to MidAmerican's electric distribution system and the ongoing operation of the distributed generation facility after it is connected to MidAmerican's electric distribution system.

Interconnection customer – The entity entering into this Agreement for the purpose of interconnecting a distributed generation facility to MidAmerican's electric distribution system.

Interconnection equipment – A group of components or an integrated system connecting an electric generator with a local electric power system or an electric distribution system that includes all interface equipment, including switchgear, protective devices, inverters, or other interface devices. Interconnection equipment may be installed as part of an integrated equipment package that includes a generator or other electric source.

Interconnection facilities – Facilities and equipment required by MidAmerican to accommodate the interconnection of a distributed generation facility. Collectively,

interconnection facilities include all facilities and equipment between the distributed generation facility and the point of interconnection, including modification, additions, or upgrades that are necessary to physically and electrically interconnect the distributed generation facility to the electric distribution system. Interconnection facilities are sole use facilities and do not include distribution upgrades.

Interconnection request – An interconnection customer's request, on the required form, for the interconnection of a new distributed generation facility, or to increase the capacity or change the operating characteristics of an existing distributed generation facility that is interconnected with MidAmerican's electric distribution system.

Interconnection study – Any of the following studies, as determined to be appropriate by MidAmerican: the interconnection feasibility study, the interconnection system impact study, and the interconnection facilities study.

Iowa standard distributed generation interconnection rules – The most current version of the procedures for interconnecting distributed generation facilities adopted by the Iowa Utilities Board. See Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45).

Parallel operation or Parallel – The state of operation that occurs when a distributed generation facility is connected electrically to the electric distribution system for longer than 100 milliseconds.

Point of interconnection – The point where the distributed generation facility is electrically connected to the electric distribution system. Point of interconnection has the same meaning as the term "point of common coupling" defined in 3.1.13 of IEEE Standard 1547.

Qualifying facility – A cogeneration facility or a small power production facility that is a qualifying facility under 18 CFR Part 292, Subpart B, used by an interconnection customer to generate electricity that operates in parallel with the electric distribution system. A qualifying facility typically includes an electric generator and the interconnection equipment required to interconnect safely with the electric distribution system or local electric power system.

Utility – Any electric utility that is subject to rate regulation by the Iowa Utilities Board.

Witness test – For lab-certified equipment, verification (either by an on-site observation or review of documents) by MidAmerican that the interconnection installation evaluation required by IEEE Standard 1547 Section 5.3 and the commissioning test required by IEEE Standard 1547 Section 5.4 have been adequately performed. For interconnection equipment that has not been lab-certified, the witness test shall also include verification

by MidAmerican of the on-site design tests required by IEEE Standard 1547 Section 5.1 and verification by MidAmerican of production tests required by IEEE Standard 1547 Section 5.2. All tests verified by MidAmerican are to be performed in accordance with the test procedures specified by IEEE Standard 1547.1.

## ATTACHMENT 2

### Levels 2 To 4: Standard Interconnection Agreement

#### Construction Schedule, Proposed Equipment & Settings

This attachment is to be completed by the interconnection customer and shall include the following:

1. The construction schedule for the distributed generation facility.
2. A one-line diagram indicating the distributed generation facility, interconnection equipment, interconnection facilities, metering equipment, and distribution upgrades.
3. Component specifications for equipment identified in the one-line diagram.
4. Component settings.
5. Proposed sequence of operations.
6. A three-line diagram showing current potential circuits for protective relays.
7. Relay tripping and control schematic diagram.
8. A plot plan showing the distributed generation facility's location in relation to streets, alleys, address or other geographical markers.

ATTACHMENT 3  
Levels 2 To 4: Standard Interconnection Agreement

Description, Costs and Time Required to  
Build and Install MidAmerican's Interconnection Facilities

This attachment is to be completed by MidAmerican and shall include the following:

1. Required interconnection facilities, including any required metering.
2. An estimate of itemized costs charged by MidAmerican for interconnection, including overheads, based on results from prior studies.
3. An estimate for the time required to build and install MidAmerican's interconnection facilities based on results from prior studies and an estimate of the date upon which the facilities will be completed.

ATTACHMENT 4  
Levels 2 To 4: Standard Interconnection Agreement

Operating Requirements for Distributed Generation Facilities Operating in Parallel

MidAmerican shall list specific operating practices that apply to this distributed generation interconnection and the conditions under which each listed specific operating practice applies.

ATTACHMENT 5  
Levels 2 To 4: Standard Interconnection Agreement

Monitoring and Control Requirements

This attachment is to be completed by MidAmerican and shall include the following:

1. MidAmerican's monitoring and control requirements must be specified, along with a reference to MidAmerican's written requirements documents from which these requirements are derived.
2. An internet link to the requirements documents.

ATTACHMENT 6  
Levels 2 To 4: Standard Interconnection Agreement

Metering Requirements

This attachment is to be completed by MidAmerican and shall include the following:

1. The metering requirements for the distributed generation facility.
2. Identification of the appropriate metering rules filed with the Iowa Utilities Board under subrule 199 IAC 20.2(5), and inspection and testing practices adopted under rule 199 IAC 20.6 that establish these requirements.
3. An internet link to these rules and practices.

ATTACHMENT 7  
Levels 2 To 4: Standard Interconnection Agreement

As Built Documents

This attachment is to be completed by the interconnection customer and shall include the following:

When it returns the certificate of completion to MidAmerican, the interconnection customer shall provide MidAmerican with documents detailing the as-built status of the following:

1. A one-line diagram indicating the distributed generation facility, interconnection equipment, interconnection facilities, and metering equipment.
2. Component specifications for equipment identified in the one-line diagram.
3. Component settings.
4. Proposed sequence of operations.
5. A three-line diagram showing current potential circuits for protective relays.
6. Relay tripping and control schematic diagram.

**199—45.18(476) Appendix E – Standard interconnection feasibility study agreement**

INTERCONNECTION FEASIBILITY STUDY AGREEMENT

This agreement ("Agreement") is made and entered into this \_\_\_\_ day of \_\_\_\_\_, by and between \_\_\_\_\_ ("interconnection customer"), as an individual person, or as a \_\_\_\_\_ organized and existing under the laws of the State of \_\_\_\_\_, and \_\_\_\_\_, ("MidAmerican"), a \_\_\_\_\_ existing under the laws of the State of Iowa. Interconnection customer and MidAmerican each may be referred to as a "Party," or collectively as the "Parties."

Recitals:

Whereas, interconnection customer is proposing to develop a distributed generation facility or modify an existing distributed generation facility consistent with the interconnection request application form submitted by interconnection customer on \_\_\_\_\_; and

Whereas, interconnection customer desires to interconnect the distributed generation facility with MidAmerican's electric distribution system; and

Whereas, interconnection customer has requested MidAmerican to perform an interconnection feasibility study to assess the feasibility of interconnecting the proposed distributed generation facility to MidAmerican's electric distribution system;

Now, therefore, in consideration of and subject to the mutual covenants contained herein the Parties agree as follows:

1. All terms defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1) shall have the meanings indicated in that rule when used in this Agreement.
2. Interconnection customer elects and MidAmerican shall cause to be performed an interconnection feasibility study consistent with Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11).
3. The scope of the interconnection feasibility study shall be based upon the information set forth in the interconnection request application form and Attachment A to this Agreement.

4. The interconnection feasibility study shall be based on the technical information provided by interconnection customer in the interconnection request application form, as modified with the written agreement of the Parties. MidAmerican has the right to request additional technical information from interconnection customer during the course of the interconnection feasibility study. If the interconnection customer modifies its interconnection request, the time to complete the interconnection feasibility study may be extended by MidAmerican.
5. In performing the study, MidAmerican shall rely on existing studies of recent vintage to the extent practical. The interconnection customer will not be charged for such existing studies; however, interconnection customer is responsible for the cost of applying any existing study to the interconnection customer specific requirements and for any new study that MidAmerican performs.
6. The interconnection feasibility study report must provide the following information:
  - 6.1 Identification of any equipment short circuit capability limits exceeded as a result of the interconnection,
  - 6.2 Identification of any thermal overload or voltage limit violations resulting from the interconnection, and
  - 6.3 A description and nonbinding estimated cost of facilities required to interconnect the distributed generation facility to MidAmerican's electric distribution system as required under Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11(5)"a").
7. Interconnection customer shall provide a study deposit equal to 100% of the estimated nonbinding study costs at least 20 business days prior to the date upon which the study commences.
8. The interconnection feasibility study shall be completed and the results shall be transmitted to interconnection customer within 45 business days after this Agreement is signed by the Parties or the complete study deposit is received by MidAmerican, whichever occurs later. If the interconnection customer's study request involves more than one point of interconnection and configuration, the time to complete the interconnection feasibility study may be extended by MidAmerican.
9. Study fees shall be based on actual costs and will be invoiced to interconnection customer after the study is transmitted to interconnection customer. The invoice must include an itemized listing of employee time and costs expended on the study.
10. Interconnection customer shall pay any actual study costs that exceed the deposit without interest within 30 calendar days on receipt of the invoice. MidAmerican shall refund any excess deposit amount without interest within 30 calendar days after the invoice.

In witness whereof, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

[Insert name of interconnection customer]

Signed: \_\_\_\_\_

Name (Printed): \_\_\_\_\_ Title: \_\_\_\_\_

MidAmerican Energy Company

Signed: \_\_\_\_\_

Name (Printed): \_\_\_\_\_ Title: \_\_\_\_\_

ATTACHMENT A  
Interconnection Feasibility Study Agreement

Assumptions Used in Conducting the Interconnection Feasibility Study

The interconnection feasibility study will be based upon the information in the interconnection request application form, agreed upon on \_\_\_\_\_:

1. Point of interconnection and configuration to be studied.

---

---

---

---

---

2. Alternative points of interconnection and configurations to be studied.

---

---

---

---

---

Note: 1 and 2 are to be completed by the interconnection customer. Any additional assumptions (explained below) may be provided by either the interconnection customer or MidAmerican.

---

---

---

---

---

---

---

**199—45.19(476) Appendix F – Standard interconnection system impact study agreement**

INTERCONNECTION SYSTEM IMPACT STUDY AGREEMENT

This agreement ("Agreement") is made and entered into this \_\_\_\_ day of \_\_\_\_\_, by and between \_\_\_\_\_ ("interconnection customer"), as an individual person, or as a \_\_\_\_\_ organized and existing under the laws of the State of \_\_\_\_\_, and \_\_\_\_\_, ("MidAmerican"), a \_\_\_\_\_ existing under the laws of the State of Iowa. Interconnection customer and MidAmerican each may be referred to as a "Party," or collectively as the "Parties."

Recitals:

Whereas, interconnection customer is proposing to develop a distributed generation facility or modifying an existing distributed generation facility consistent with the interconnection request application form completed by interconnection customer on \_\_\_\_\_; and

Whereas, interconnection customer desires to interconnect the distributed generation facility to MidAmerican's electric distribution system; and

Whereas, MidAmerican has completed an interconnection feasibility study and provided the results of said study to interconnection customer (this recital to be omitted if the Parties have agreed to forego the interconnection feasibility study); and

Whereas, interconnection customer has requested MidAmerican to perform an interconnection system impact study to assess the impact of interconnecting the distributed generation facility to MidAmerican's electric distribution system;

Now, therefore, in consideration of and subject to the mutual covenants contained herein the Parties agree as follows:

1. All terms defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1) shall have the meanings indicated in that rule when used in this Agreement.
2. Interconnection customer elects and MidAmerican shall cause to be performed an interconnection system impact study consistent with Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11).
3. The scope of the interconnection system impact study shall be based upon the information set forth in the interconnection request application form and in Attachment A to this Agreement.

4. The interconnection system impact study shall be based upon the interconnection feasibility study and the technical information provided by interconnection customer in the interconnection request application form. MidAmerican reserves the right to request additional technical information from interconnection customer. If interconnection customer modifies its proposed point of interconnection, interconnection request, or the technical information provided therein is modified, the time to complete the interconnection system impact study may be extended.
5. The interconnection system impact study report shall provide the following information:
  - 5.1 Identification of any equipment short circuit capability limits exceeded as a result of the interconnection,
  - 5.2 Identification of any thermal overload or voltage limit violations resulting from the interconnection,
  - 5.3 Identification of any instability or inadequately damped response to system disturbances resulting from the interconnection, and
  - 5.4 Description and nonbinding estimated cost of facilities required to interconnect the distributed generation facility to MidAmerican's electric distribution system and to address the identified short circuit, thermal overload, voltage, and instability issues as required under Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11(5)"b").
6. Interconnection customer shall provide a study deposit equal to 100% of the estimated nonbinding study costs at least 20 business days prior to the date upon which the study commences.
7. The interconnection system impact study, if required, shall be completed and the results transmitted to interconnection customer within 45 business days after this Agreement is signed by the Parties or the complete study deposit is received by MidAmerican, whichever occurs later. If the interconnection customer's study request involves more than one point of interconnection and configuration, the time to complete the interconnection system impact study may be extended by MidAmerican.
8. Study fees shall be based on actual costs and shall be invoiced to interconnection customer after the study is transmitted to interconnection customer. The invoice shall include an itemized listing of employee time and costs expended on the study.
9. Interconnection customer shall pay any study costs that exceed the deposit within 30 calendar days after receipt of the invoice. MidAmerican shall refund any excess deposit amount within 30 calendar days of the invoice.

In witness thereof, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

[Insert name of interconnection customer]

Signed: \_\_\_\_\_  
Name (Printed): \_\_\_\_\_ Title: \_\_\_\_\_

MidAmerican Energy Company

Signed: \_\_\_\_\_  
Name (Printed): \_\_\_\_\_ Title: \_\_\_\_\_

ATTACHMENT A  
Interconnection System Impact Study Agreement

Assumptions Used in Conducting the Interconnection System Impact Study

The interconnection system impact study shall be based upon the results of the interconnection feasibility study, subject to any modifications in accordance with Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11), and the following assumptions:

1. Point of interconnection and configuration to be studied.

---

---

---

---

2. Alternative Points of interconnection and configurations to be studied.

---

---

---

---

Note: 1 and 2 are to be completed by the interconnection customer. Any additional assumptions (explained below) may be provided by either the interconnection customer or MidAmerican.

---

---

---

---

---

---

**199—45.20(476) Appendix G – Standard interconnection facilities study agreement**

INTERCONNECTION FACILITIES STUDY AGREEMENT

This agreement ("Agreement") is made and entered into this \_\_\_\_ day of \_\_\_\_\_, by and between \_\_\_\_\_ ("interconnection customer"), as an individual person, or as a \_\_\_\_\_ organized and existing under the laws of the State of \_\_\_\_\_, and \_\_\_\_\_, ("MidAmerican"), a \_\_\_\_\_ existing under the laws of the State of Iowa. Interconnection customer and MidAmerican each may be referred to as a "Party," or collectively as the "Parties."

Recitals:

Whereas, interconnection customer is proposing to develop a distributed generation facility or modifying an existing distributed generation facility consistent with the interconnection request application form completed by interconnection customer on \_\_\_\_\_; and

Whereas, interconnection customer desires to interconnect the distributed generation facility with MidAmerican's electric distribution system; and

Whereas, MidAmerican has completed an interconnection system impact study and provided the results of said study to interconnection customer; and

Whereas, interconnection customer has requested MidAmerican to perform an interconnection facilities study to specify and estimate the cost of the equipment, engineering, procurement and construction work needed to interconnect the distributed generation facility;

Now, therefore, in consideration of and subject to the mutual covenants contained in this Agreement, the Parties agree as follows:

1. All terms defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1) shall have the meanings indicated in that rule when used in this Agreement.
2. Interconnection customer elects and MidAmerican shall cause to be performed an interconnection facilities study consistent with Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11).
3. The scope of the interconnection facilities study shall be determined by the information provided in Attachment A to this Agreement.
4. An interconnection facilities study report (1) shall provide a description, estimated cost of distribution upgrades, and a schedule for required facilities to interconnect

- the distributed generation facility to MidAmerican's electric distribution system; and (2) shall address all issues identified in the interconnection system impact study (or identified in this study if the system impact study is combined herein).
5. Interconnection customer shall provide a study deposit of 100% of the estimated nonbinding study costs at least 20 business days prior to the date upon which the study commences.
  6. In cases where no distribution upgrades are required, the interconnection facilities study shall be completed and the results shall be transmitted to interconnection customer within 15 business days after this Agreement is signed by the Parties. In cases where distribution upgrades are required, the interconnection facilities study shall be completed and the results shall be transmitted to interconnection customer within 35 business days after this Agreement is signed by the Parties or the complete study deposit is received by MidAmerican, whichever occurs later.
  7. Study fees shall be based on actual costs and will be invoiced to interconnection customer after the study is transmitted to interconnection customer. The invoice shall include an itemized listing of employee time and costs expended on the study.
  8. Interconnection customer shall pay any actual study costs that exceed the deposit within 30 calendar days on receipt of the invoice. MidAmerican shall refund any excess deposit amount within 30 calendar days after the invoice.

In witness whereof, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

[Insert name of interconnection customer]

Signed: \_\_\_\_\_

Name (Printed): \_\_\_\_\_ Title: \_\_\_\_\_

MidAmerican Energy Company

Signed: \_\_\_\_\_

Name (Printed): \_\_\_\_\_ Title: \_\_\_\_\_

ATTACHMENT A  
Interconnection Facilities Study Agreement

Minimum Information that the Interconnection Customer Must Provide with the  
Interconnection Facilities Study Agreement

Provide location plan and simplified one-line diagram of the distributed generation facilities.

For staged projects, please indicate size and location of planned additional future generation.

On the one-line diagram, indicate the generation capacity attached at each metering location. (Maximum load on CT/PT).

On the one-line diagram, indicate the location of auxiliary power. (Minimum load on CT/PT) Amps.

One set of metering is required for each generation connection to MidAmerican's electric distribution system.

Number of generation connections: \_\_\_\_\_

Will an alternate source of auxiliary power be available during CT/PT maintenance?  
Yes \_\_\_\_\_ No \_\_\_\_\_

Will a transfer bus on the generation side of the metering require that each meter set be designed for the total distributed generation capacity? Yes \_\_\_\_\_ No \_\_\_\_\_  
(Please indicate on the one-line diagram).

What type of control system or PLC will be located at the distributed generation facility?  
\_\_\_\_\_.

What protocol does the control system or PLC use? \_\_\_\_\_.

Please provide a scale drawing of the site. Indicate the point of interconnection, distribution line, and property lines.

Number of third party easements required for MidAmerican's interconnection facilities:  
\_\_\_\_\_

.....

To be Completed in Coordination with MidAmerican

Is the distributed generation facility located in MidAmerican's service area?

Yes \_\_\_\_\_ No \_\_\_\_\_

If No, please provide name of local provider: \_\_\_\_\_

Please provide the following proposed schedule dates:

Begin construction date: \_\_\_\_\_

Generator step-up transformers receive back feed power date: \_\_\_\_\_

Commissioning testing date: \_\_\_\_\_

Witness testing date: \_\_\_\_\_

Commercial operation date: \_\_\_\_\_



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1<sup>st</sup> Revised Sheet No. A-1  
Canceling Original Sheet No. A-1

## RATE NB: NET BILLING OF SMALL ALTERNATE ENERGY PRODUCERS AND SMALL HYDRO FACILITIES

### APPLICABILITY

This rate schedule is applicable to Net Billed Facilities, which are defined as Alternate Energy Production Facilities or Small Hydro Facilities as such terms are defined by Section 476.42, *Iowa Code*, at any one geographic location or point of service from the Company of 500 kW or less and which are intended to serve only the electric requirements of the owner of the net billed facility. Such facilities will be referred to in this rate schedule individually as “Net Billed Facility.”

This rate schedule is also applicable to Alternate Energy Production Facilities or Small Hydro Facilities as such terms are defined by Section 476.42, *Iowa Code*, at any one geographic location or point of service from the Company with a design capacity of over 500 kW. Such facilities may utilize this rate schedule, and will be considered “Net Billed Facilities” for up to 500 kW of design capacity of the facility, and may request a standard AEP contract or PURPA purchase agreement for the undesignated balance of the facility’s capacity.

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.

### PRIOR RATE SCHEDULES

Net Billed Facilities that are currently under contract pursuant to Company’s Rate No. 58, Price Schedule 24 and Price Schedule 926 may amend their service in order to enter into a contract pursuant to this rate schedule.

### 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 Net Billed Facilities to the Company and purchases of energy by Net Billed Facilities from the Company. In addition, service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapter 45 and Section 5 of this tariff, Electric Interconnection of Distributed Generation Facilities.

T  
T  
T  
D

Issued: July 9, 2010  
Issued by: Naomi G. Czachura  
Vice President

Effective: July 21, 2010



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-1.10  
Canceling Original Sheet No. A-1.10

D

The term of the contract between the Company and the Net Billed Facility shall be specified by the Net Billed 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.

### **METERING EQUIPMENT**

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

(1) Metering capable of measuring and recording energy flows, on a kWh basis, from the Company to the Net Billed Facility and from the Net Billed Facility to the Company, with each directional energy flow recorded independently.

(2) Metering capable of measuring power flows in each direction on an hourly or other real-time basis. The Net Billed Facilities 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 Net Billed Facility shall not be responsible for the costs of the metering equipment installed in accordance with this provision except (1) to the extent that metering costs are reflected in the rate applicable to its type or class of utility service and (2) in the case of facilities with design capacity of 500 kW or greater, for metering equipment that may be installed under the terms of a standard AEP contract or PURPA purchase agreement.

In accordance with the terms of a Settlement Agreement filed with the District Court in and for Polk County Nos. AA-3173, AA-3195 and AA-3196, the Company shall have the opportunity to recover all reasonable costs of metering not reimbursed by the Net Billed Facility in its revenue requirement established in a general electric rate proceeding.

### **CALCULATION OF MONTHLY PAYMENT OR CREDIT**

The Net Billed Facility shall be responsible for payment of any applicable customer 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 Net Billed 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 Net Billed Facility to the Company exceed the deliveries of energy in kWh from the Company to the Net Billed Facility, the net meter registration in kWh will be carried forward to the next monthly billing period as a Net Metering Credit, expressed in kWh. If the Net Billed Facility has carried over a Net Metering Credit from one or more prior months, the net meter registration from the current month shall be added to the Net Metering Credit that exists from prior months.

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

The Company shall not be required to convert the Net Billing Credit to cash.

## **BILLING**

Billing by the Company shall be rendered monthly. The term “monthly” for billing purposes hereunder shall mean the period between any two consecutive regular readings by the Company for the meter(s) at the Net Billed Facility, such readings to be taken as nearly as may be practicable every thirty days.

Bills are due within twenty days from the date the bill is rendered to the Net Billed Facility. Bills not paid within the twenty day period will be assessed a late payment charge. The late payment charge is equal to 1.5 percent per month of the past due amount.

## **ADDITIONAL PROVISIONS**

**Administrative Rules:** Prior to interconnecting with the Company’s electric system and at all times during continuation of such interconnection, the Net Billed Facility must satisfy the requirements of Sections 476.41 through 476.45, *Iowa Code*, and 199 IAC Sections 15.10(1) through 15.10(6), 15.11(1), 15.15 and 15.16, and 199 IAC Chapter 45 as may subsequently be amended by the Legislature or Board, respectively.

T  
N

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-1.30  
Canceling Original Sheet No. A-1.30

D

RESERVED FOR FUTURE USE

Issued: June 18, 2010  
Issued by: Naomi G. Czachura  
Vice President

Effective: July 21, 2010



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-1.40  
Canceling Original Sheet No. A-1.40

---

D

RESERVED FOR FUTURE USE

---

Issued: June 18, 2010  
Issued by: Naomi G. Czachura  
Vice President

Effective: July 21, 2010



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-1.50  
Canceling Original Sheet No. A-1.50

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-1.60  
Canceling Original Sheet No. A-1.60

D

RESERVED FOR FUTURE USE

Issued: June 18, 2010  
Issued by: Naomi G. Czachura  
Vice President

Effective: July 21, 2010



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-1.70  
Canceling Original Sheet No. A-1.70

---

D

RESERVED FOR FUTURE USE

---

Issued: June 18, 2010  
Issued by: Naomi G. Czachura  
Vice President

Effective: July 21, 2010



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. A-1.80

---

## **PERIODIC REVIEW OF RATE SCHEDULE**

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.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

Sub. 1<sup>st</sup> Revised Sheet No. A-2  
 Canceling Sub. Original Sheet No. A-2

**RATE QF COGENERATION & SMALL POWER PRODUCTION FACILITIES**

**AVAILABILITY**

This rate schedule is applicable to purchases by the Company from a 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. Such facilities will be referred to in this rate schedule individually as "Qualifying Facility." Purchases by the Company under this rate schedule are available pursuant to a written contract entered into by the Company and the owner or operator of the Qualifying Facility that is located in the Company's Iowa electric service area. The rates, terms and conditions for purchases by the Company from a cogeneration facility or a small power production facility which has a design capacity of greater than 100 kilowatts, has obtained qualifying status under 18 CFR Part 292 and is located in the Company's Iowa service area will be determined in a contested case proceeding before the Iowa Utilities Board unless rates are otherwise agreed to in a written contract entered into by the Company and the cogeneration facility or small power production facility. The Company is not required to enter into contracts with any Qualifying Facility with net capacity of greater than 20,000 kilowatts pursuant to the order of the Federal Energy Regulatory Commission in Docket No. QM-09-5-000 issued August 12, 2009. The Company is not required to enter into contracts with an Alternate Energy Production Facility or Small Hydro Facility with net capacity of greater than 20,000 kilowatts as long as the Company has fulfilled its obligation pursuant to Iowa Code Sections 476.43 and 476.44 to enter into long-term contracts to purchase or wheel electricity from alternate energy production facilities or small hydro facilities. For information on non-discriminatory access to markets, such Qualifying Facility, Alternate Energy Production Facility or Small Hydro Facility should contact the Midwest Independent Transmission System Operator, Inc.

N  
 N  
 N  
 N  
 N  
 N  
 N  
 N  
 N  
 N  
 N  
 N

**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 Qualifying Facilities to the Company and purchases of energy by Qualifying Facilities from the Company. A copy of this tariff will be provided to the Qualifying Facility. This rate schedule is subject to change upon approval by the Iowa Utilities Board. In addition, service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapter 45 and Section 5 of this tariff, Electric Interconnection of Distributed Generation Facilities.

T  
 T  
 T/D  
 D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. A-2.10  
 Canceling 1<sup>st</sup> Revised Sheet No. A-2.10

**RATE QF COGENERATION & SMALL POWER PRODUCTION FACILITIES (Cont.)**

**NET MONTHLY PURCHASE RATE**

The Net Monthly Purchase Rate shall be the sum of the Service Charge, the applicable Energy Credit, and the applicable Capacity Credit.

NET MONTHLY RATE:

Service Charge:

\$8.41 per month

Energy Credit:

1. <u>Standard</u>	<u>Summer</u>	<u>Winter</u>	
For all kilowatthours	\$0.0176 per kWh	\$0.0143 per kWh	R/I
2. <u>Optional Time-of-Day</u>			
On Peak - All kilowatthours	\$0.0226 per kWh	\$0.0178 per kWh	R/I
Off Peak - All kilowatthours	\$0.0132 per kWh	\$0.0112 per kWh	R/I

Summer- Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-2.20  
Canceling Sub. Original Sheet No. A-2.20

---

**RATE QF COGENERATION & SMALL POWER PRODUCTION FACILITIES (Cont.)**

---

On-Peak Hours: Hours between 6:00 a.m. and 10:00 p.m. Monday through Friday.

On-Peak - Hours exclude the United States legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

Off-Peak Hours: All hours not included in the definition of On-Peak Hours.

Capacity Credit:

Applicable for generation capacity received only during the summer, and summer on-peak periods defined above.

Capacity credit will be based on current capacity rates, presently \$15.00/kW/Year, and will be the lesser amount as determined by either Method 1 or Method 2, as follows: R

Method 1 (Optional Time-of-Day):

$$A = \frac{B}{C} \times D$$

where:

A is the capacity credit.

B is the kWh delivered during the applicable summer on-peak period.

C is the number of hours in the applicable summer on-peak period.

D is the current capacity charge adjusted to a monthly basis (\$3.75/kW). R



---

**RATE QF COGENERATION & SMALL POWER PRODUCTION FACILITIES (Cont.)**

---

Method 2 (Standard):

$$A = \frac{B}{C} \times D$$

where:

- A is the capacity credit.
- B is the kWh delivered during the applicable summer month.
- C is the number of hours in the applicable summer month.
- D is the current capacity charge adjusted to a monthly basis (\$3.75/kW).

R

Clauses

Service Charge is subject to the Tax Adjustment; see Sheet No. C-2.

Customer billing or payment each month will be net of interconnection sales and purchases as separately stated.

**BILLING AND PAYMENT**

The Company shall provide to the Qualifying Facility, and the Qualifying 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.

Service Charge. A Service Charge shall be paid by the Qualifying Facility to the Company in order to cover recurring costs for meter reading, bill and credit calculations, and accounting and related matters. The Service Charge is subject to the Tax Adjustment.

Billing by the Company shall be rendered monthly. The term "monthly" for billing purposes hereunder shall mean the period between any two consecutive regular readings by the Company for the meter(s) at the Qualifying Facility, such readings to be taken as nearly as may be practicable every thirty days. The billings shall be calculated using the applicable rate(s).

Bills are due within twenty days from the date the bill is rendered to the customer. Bills not paid within the twenty day period will be assessed a late payment charge. The late payment charge is equal to 1.5 percent per month of the past due amount.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-2.40  
 Canceling Sub. Original Sheet No. A-2.40

**RATE QF COGENERATION & SMALL POWER PRODUCTION FACILITIES (Cont.)**

Payment by the Company, if any, shall be made to the Qualifying Facility within twenty days from the date the meter is read. The Company's obligation for billing and payment to the Qualifying Facility for energy delivered to the Company shall not commence until the Company has provided written approval for operation.

**ADDITIONAL PROVISIONS**

**Administrative Rules:** Qualifying Facilities must comply with all applicable rules of the Iowa Utilities Board including, but not limited to, 199 IAC Sections 15.1 through 15.10 and 199 IAC Chapter 45.

T  
T

**Excess Production:** The owner or operator of a Qualifying Facility may elect to deliver all of the Qualifying Facility's production to the Company under this rate schedule, or may elect to deliver a portion of the production in excess of the Qualifying Facility's own requirements but may not alternate between such elections except that the election may be revised after 12 months have elapsed.

D  
D

**Permits and Inspection Fees:** The Qualifying Facility shall secure without cost to the Company all necessary permits for the installation and operation of the electrical wiring and equipment on the Qualifying Facility's premises and to the point of interconnection. If the Qualifying Facility is not the owner of the premises, or of intervening property between the premises and the Company's lines, the Qualifying Facility shall obtain from the proper owner, or owners, the necessary easement for the installation and maintenance on said premises or such intervening property of all wiring and other electrical equipment required for sale of electricity to the Company.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-2.50  
Canceling Sub. Original Sheet No. A-2.50

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-2.60  
Canceling Sub. Original Sheet No. A-2.60

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-2.70  
Canceling Sub. Original Sheet No. A-2.70

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-2.80  
Canceling Sub. Original Sheet No. A-2.80

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. A-2.90  
Canceling Sub. Original Sheet No. A-2.90

---

D

RESERVED FOR FUTURE USE



---

## RIDER EF: EXCESS FACILITIES

---

**AVAILABLE:** To all customers in all systems of the Company's electric service area.

**APPLICABLE:** To all electric rates.

Unless stated otherwise in the rate or price schedule, the Company will supply service:

- At a single point of delivery
- To a load equal to the maximum fifteen- or thirty-minute demand of the customer as specified in the rate or price schedule under which the customer is being served
- At one standard voltage

In the event facilities in excess of a normal installation as defined in Normal Facilities Provided in the General Electric Policies section of this tariff are requested by the customer, or are found to be required to serve the customer's load, the Company shall furnish, install, and maintain such facilities, subject to the following conditions:

1. The type, extent, and location of such facilities shall be determined by agreement between the Company and the customer.
2. Such facilities furnished by the Company shall be the property of the Company.
3. The customer shall pay the Company at the time of installation the cost of the excess facilities, except, in the case of equipment which the Company provides on a rental basis, the customer may elect to either:
  - Pay the cost of the excess facilities at the time of installation, or
  - Pay a monthly rental charge based on the Company's standard rental rate in effect at the time of the installation of such facilities multiplied by the Company's investment required to furnish such facilities. In the event there is a change made in the facilities which requires a change in the monthly rental charge, the monthly rental charge for all facilities being furnished by the Company will be based on the rate in effect at that time.



- 
4. The Company will provide excess facilities on a rental basis when all of the following apply:
    - The excess facilities cost is greater than \$500.
    - The customer or prospective customer is credit worthy.
    - The customer is not a Speculative Customer as defined in Extensions of Distribution and Services section of this tariff.
  5. For facilities furnished which are different than customarily used (non-standard), the cost or rental charge shall be calculated as the difference in the cost of:
    - The non-standard facilities actually furnished and
    - The normal facilities usually furnished.
  6. For facilities which are requested by and serve multiple customers, the total cost of or rental on the excess facilities shall be prorated among the requesting customers.
  7. The monthly rental rate used to calculate the rental charge shall be based on:
    - The Company's weighted average cost of equity and debt approved by the Board in the most recent electric rate case, grossed up for the Company's income taxes.
    - The Company's return on equity will not exceed 12 percent through December 31, 2005 as provided in Order Approving Settlement with Modifications in Docket Nos. RPU-01-3/RPU-01-5 issued December 21, 2001.
    - Allowance for depreciation, property taxes, and maintenance expenses.

Such rental rate is 1.75 percent.



---

RIDER FP: FLEXIBLE PRICING

---

**AVAILABLE:** In all systems of the Company's electric service area.

**APPLICABLE:** To individual customers, to selected groups of customers, or to an entire class of customers qualifying under general service or large general service.

Available pursuant to IOWA ADMIN. CODE 199-20.14. Discounted rates under this rider shall be used to encourage a customer, or a group of customers, to increase usage or to maintain usage. Discounted rates may take several different forms consistent with IOWA ADMIN. CODE 199-20.14 and the criteria listed, and shall be developed on a case-by-case basis.

The following IOWA ADMIN. CODE 199-20.14 minimum criteria must be met before a discounted rate shall be offered:

1. In deciding whether to offer a specific discount, the Company shall evaluate the individual customer's, group's, or class' situation and perform a cost-benefit analysis before offering the discount. Such analysis must demonstrate that offering the discount will be more beneficial to both the Company and all customers than not offering the discount.
2. Any discount offered should be such as to significantly affect the customer's, or customers' decision to stay on the system; or to increase consumption; or to significantly affect a prospective customer's decision to locate in the service territory.
3. The ceiling for all discounted rates shall be the approved rate on file for the customer's rate class.
4. The floor for the discount rate shall be equal to the energy costs and customer costs of serving the specific customer.
5. No discount shall be offered for a period longer than five (5) years, unless the Iowa Utilities Board determines upon good cause shown that a longer period is warranted.
6. Discounts should not be offered if they will encourage deterioration in the load characteristics of the customer receiving the discount.
7. Discounted rates must be offered to all directly competing customers in the same service territory. Customers are direct competitors if they make the same end product (or offer the same service) for the same general group of customers. Customers that only produce component parts of the same end product are not directly competing customers.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. B-3  
Canceling Original Sheet No. B-3

---

## RIDER CS: CURTAILMENT SERVICE

---

**AVAILABLE:** To all customers in all systems of the Company's electric service area.

**APPLICABLE:** At the option of the customer under Commercial, Industrial, General Service, and Large General Service Price Schedules who demonstrates a continuing ability and willingness to curtail 250 kW or more during Company-specified curtailment periods; or 100 kW for North or South system customers who successfully performed their obligation under this Rider during the 1995 season and consecutive seasons thereafter. Usage measured by more than one (1) meter at multiple locations may not be combined for purposes of qualifying for service under this rider. The customer is subject to the applicable terms and conditions of the Company's Electric Service Policies.

**CHARACTER:** Alternating current; 60 Hz; single or three phase nominal voltages offered by the Company, as further described in the Company's Electric Service Policies.

**NET MONTHLY RATE:** Charges for service hereunder will be at the prices specified in the price schedules to which this rider applies, subject to the following additions and modifications.

**Curtailment Credit:** Annual Credit per kW of contract Curtailable Load to be offered.

N

- Option A: \$46.00/kW (3-year contract)

Requires a 3-year contract signed on or after January 2, 2009. Eligibility for a 3-year contract depends upon consistency of customer performance.

- Option B: \$40.00/kW (year-to-year contract)



---

RIDER CS: CURTAILMENT SERVICE (Cont.)

---

The customer shall provide telephone or pager contact information to facilitate seven-days-per-week, twenty-four-hours-per-day curtailment notification. If a customer's failure to curtail its contract Curtailable Load when requested results in a Company purchase of replacement energy or results in other charges levied by the Midwest Independent Transmission System Operator, herein referred to as "Midwest ISO," or any other entity with jurisdiction to levy fines or penalties relating to load and capability compliance, the customer shall reimburse the Company for a proportionate share of resulting charges. These charges will not exceed the customer's total annual credit for contract Curtailable Load.

In the event of a failure of the customer's standby generating equipment, or other unanticipated non-recurring condition (excluding the customer's failure to reduce production levels), the Company, at its sole discretion, may waive the customer's proportionate share of replacement energy or other charges levied by Midwest ISO or any other entity with jurisdiction to levy fines or penalties related to compliance with load and capability requirements. The customer shall notify the Company immediately by telephone, e-mail, or facsimile after obtaining knowledge of a condition contemplated by this paragraph.

Any payment made to the Company for a customer's proportionate share of replacement energy or other charges levied by Midwest ISO, or any other entity with jurisdiction to levy fines or penalties related to compliance with load and capability requirements, shall not be construed as giving the customer the right to curtail less than its contract Curtailable Load during any subsequent curtailment periods.

Any requests to cancel participation in this Rider CS: Curtailment Service must be received by the Company in writing no less than sixty (60) days before the first of the month in which the cancellation is to be effective. Prior to the effective date of the cancellation, if a customer fails to achieve its contract Curtailable Load during a curtailment period, a proportionate share, if any, of the replacement energy, charges levied by Midwest ISO, or any other entity with jurisdiction to levy fines or penalties related to compliance with load and capability requirements shall be assigned to the customer. These charges will not exceed the customer's total annual credit for Curtailable Load.



---

RIDER CS: CURTAILMENT SERVICE (Cont.)

---

For purposes of verifying the customer's Curtailable Load, the customer's Expected Demand and Firm Power Level will be reviewed by the Company immediately following a curtailment event. If the customer failed to achieve its contract Curtailable Load as required or achieve its Expected Demand, the Company may revise the contract Curtailable Load, and/or Expected Demand when appropriate for the subsequent contract terms or the remaining years in a multi-year contract. Customer may forfeit part or all of its curtailment credit if it fails to reduce demand as agreed during the curtailment.

T/D  
D  
T  
T  
D  
T  
D

The Expected Demand may be adjusted by the Company no less than sixty (60) days before the first month in which the adjustment is to be effective. The Firm Power Level may be adjusted by mutual agreement of the Company and the customer no less than sixty (60) days before the first month in which the adjustment is to be effective. These adjustments may result in a revised contract Curtailable Load to be provided by the customer during any subsequent curtailment periods.

D/N  
N  
D/N  
N  
N  
N  
N/D

**Minimum Bill:** The minimum bill is as specified by the applicable price schedule, less the curtailment credit.

**Tax Adjustment:** The rate is subject to the Tax Adjustment Clause.

**METERING:** Participating customers are required to provide a communication line (telephone or Internet TCP/IP) or other interfaces agreed to by Company for automated transmission of interval data for compliance monitoring. Access shall be provided by customer to Company for maintaining and operating such equipment.

**STANDBY GENERATOR PROVISION:** Customers who have standby generation may operate that generation during the specified curtailment periods as a means of attaining the customer's specified contract Curtailable Load. Customer's standby generation shall be tested annually and customer shall submit generation test data as required for accreditation by Midwest ISO.

N  
N  
N/D  
D



---

RIDER CS: CURTAILMENT SERVICE (Cont.)

---

CURTAILMENT PERIODS: This Rider is designed to serve reliability and energy efficiency purposes. Below are five criteria that the Company will use when deciding whether to call a curtailment under this tariff. Curtailments will be called under this tariff when any of the following conditions exist:

N  
N  
N  
T

- a) The Midwest ISO directs the Company to curtail accredited Curtailable Load;
- b) The day-ahead locational marginal price (LMP) for the Company's load zone in the Midwest ISO exceeds a threshold LMP peaking unit price defined as the spot market price for No. 2 Oil divided by the kWh produced by one million BTU at an assumed heat rate of 13,500 BTU per kWh for four consecutive hours.
- c) The system average high temperature for the day across the Company's service territory is expected to exceed 94 degrees Fahrenheit.
- d) The Company determines that loads must be curtailed due to transmission and/or distribution system operating conditions.
- e) The Company declares a certification curtailment for all customers.

T  
N  
N  
N  
T  
N  
N  
N  
N

For curtailments ordered under conditions a), b) and c), the Company may direct the customer to commence curtailment by giving a thirty (30) minute notice to the customer, provided the customer was alerted to the possibility of curtailment twelve (12) or more hours prior to the beginning of the curtailment period. Otherwise, the customer shall curtail with a minimum two (2) hours advance notice. The curtailment period shall continue until the Company has provided specific notice of its termination, or a maximum of six (6) hours, whichever is shorter. The maximum number of curtailment periods during a calendar year will be sixteen (16).

T

For curtailments ordered under condition d), the Company will endeavor to provide as much advance notice as practicable under the circumstances, but may establish the curtailment period immediately upon notice. In such a case, the curtailment would continue until notified by the Company.

T



---

RIDER CS: CURTAILMENT SERVICE (Cont.)

---

For curtailments under condition e), if a curtailment has not been called by August 1 of any calendar year, the Company will conduct a certification curtailment for all customers. The test will be conducted by the Company between August 1 and August 31 under circumstances as close as possible to system peaking conditions. A customer may request to be exempted from participation in the certification curtailment once during the testing period in a calendar year. The Company will conduct a second certification curtailment of the requesting customer as soon as reasonable after the exemption is granted.

T  
T  
T  
N  
N  
N  
N  
N

For any of the above curtailment conditions, the Company may separate participants into curtailable groups of comparable net loads. The Company may establish a curtailment period that only affects one (1) curtailable group, or multiple groups, on a given day. If only one curtailable group is curtailed, the Company will rotate between curtailable groups on subsequent curtailments, as appropriate.

T

Request for restriction of the customer's load to facilitate maintenance or replacement of equipment at or near the customer's premises shall not be deemed to establish a curtailment period.

**PARTICIPATION:** The Company reserves the right to limit participation to a state-wide total of 275,000 kW of Curtailable Load.



---

RIDER CS: CURTAILMENT SERVICE (Cont.)

---

**DEFINITIONS:**

**Curtailed Service:** Electric service which includes a credit for those customers who agree, on notice from the Company, to reduce electric demand by a predetermined amount (Curtable Load).

L  
|  
|  
T/L  
T/L

**Expected Demand:** The load which would normally be placed on the Company's system by the customer at the time of a curtailment period. The Expected Demand will be established between the Company and customer based on load profiles, known load additions or deletions, and typical operations.

N  
|  
|  
N

**Firm Power Level:** The amount of customer load remaining on the company's System during a curtailment period.

T/L  
T/L

**Curtable Load:** Difference between the Expected Demand and the Firm Power Level.

D/L  
L



---

## Rider ILR – Interruptible Load Replacement Energy Service

---

<b>Class of Service</b>	Rider ILR Interruptible Load Replacement Energy Service
<b>Available</b>	<ul style="list-style-type: none"><li>• Available to customers taking service under the following riders as of up to a total of 64,000 kW:<ul style="list-style-type: none"><li>• Rider No. 4 – Interruptible Power Service</li><li>• Rider No. 5 – Curtailment Service</li></ul></li><li>• This service is restricted to customers with a minimum interruptible load of one MW.</li><li>• Available to the extent MidAmerican is able to<ul style="list-style-type: none"><li>• purchase replacement energy through MAPP Product L Interruptible Load Energy Service or a similar service through a reliability coordinator such as Midwest Reliability Organization, herein referred to as MAPP, or</li><li>• supply the load through MAPP-approved utility self-generation alternatives.</li></ul></li><li>• Customers taking service under this rider understand this service is only available while MidAmerican’s resource adequacy requirements are governed solely by MAPP. This service will be terminated at such time as MidAmerican’s resource adequacy requirements are governed by any other organization.</li></ul>

---

N  
|  
N











MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

4<sup>th</sup> Revised Sheet No. B-5.10  
 Canceling 3<sup>rd</sup> Revised Sheet No. B-5.10

**CURRENT APPLICABLE CARBON REDUCTION COST RECOVERY CHARGES:**

	<u>Residential</u>	<u>Commercial/ Small General Svc</u>	<u>Industrial/ Large General Svc</u>	<u>Lighting</u>	
Total On-going MidAmerican Costs	\$0.00036/kWh	\$0.00031/kWh	\$0.00016/kWh	\$0.00031/kWh	I/I/D/I
Residential	Rates 9, 10, 11, 51, RBN, RWN, RSN, REN, RAN, RHN, RTN, RBS, RWS, RSS, RES, RAS, RHS and RTS				
Commercial/Small General Svc	Rates 22, 42, GBN, GEN, GDN, ADN, GPN, ARN, GHN, GUN, GTN, GSN, GWN, GBS, GES, GDS, ADS, GPS, ARS, GHS, GUS and GTS				
Industrial/Large General Svc	Rates 45, 41, 53, 59, individual contracts LLN, ALN, LPN, APN, LEN, LHN, LTN/LON, LVN/LRN, LNP/LNO, LJD, CJD, CTE, CAP, ABN, LLS, LLC, ALS, LPS, LPC, APS, LES, LHS, LXS, AXS, LNS/LOS, LVS/LRS, LXP/LXO, LCL and ABS				
Lighting	Rates 43, 46, Lighting Services, ATN, and ATS				

Issued: November 16, 2012  
 Issued by: Naomi G. Czachura  
 Vice President

Effective January 2, 2013



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. B-5.20  
Canceling Original Sheet No. B-5.20

---

Reserved for future use



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. B-5.30  
Canceling Original Sheet No. B-5.30

---

Reserved for future use

---

Issued: September 29, 2009  
Issued by: Naomi G. Czachura  
Vice President

Effective: October 29, 2009



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. B-5.40  
Canceling Original Sheet No. B-5.40

---

Reserved for future use

---

Issued: September 29, 2009  
Issued by: Naomi G. Czachura  
Vice President

Effective: October 29, 2009



---

## RIDER US - UNMETERED SERVICE

---

**AVAILABLE:** In all systems of the Company's Iowa electric service area.

**APPLICABLE:** To electric service provided for small usage devices that satisfy each of the following requirements:

- Do not exceed a total connected load of 500 Watts per point of connection
- Usage is constant and readily calculated
- Devices are located on public or neighborhood association property
- In the sole opinion of the Company, usage is impractical or unsafe to meter

Customers currently receiving unmetered service as of the effective date of this tariff shall be subject to these terms and conditions. This service is not available for resale.

**CHARACTER:** Alternating current, 60 Hz, single phase, 120 volt, two wire, 120/240, three wire or 120/208, three wire nominal voltages, as further described in the Company's Electric Service Policies.

**NATURE OF SERVICE:** As directed by the Company, the customer shall furnish, install and maintain all service equipment, including wiring, over-current protective devices and a means of disconnecting the electric service from the Company's overhead or underground system. Company makes final connections to the customer's service equipment and supplies the energy for the operation of the equipment. All of the customer's equipment shall be subject to the Company's approval, as well as local or state inspection authority. Service to such installations shall be subject to the Company's Electric Service Policies of this tariff.



---

**RIDER US - UNMETERED SERVICE (Cont.)**

---

**NET MONTHLY RATE:** Unmetered service shall be subject to the pricing, terms, and conditions for each point of connection with the Company's overhead or underground system as follows:

East System	Rate No. 22
North System	Price Schedule GBN
South System	Price Schedule GBS

**CAPACITY REQUIREMENTS:** The capacity requirements of the equipment shall be determined by the Company from the specifications furnished by the manufactures of such equipment. The Company shall have the right to test such capacity requirements from time to time. In the event the test shows capacity requirements different from those indicated by the manufacturer's specifications, the capacity requirements shown by Company tests shall control the usage for billing purposes.

**DETERMINATION OF KWH:** The monthly kWh billed each month shall be determined as the total capacity requirements in kW of the equipment multiplied by 730 hours unless the customer can show lower usage to the satisfaction of the Company. The monthly kWh billed will be stated on the application for service. In the event the Company and the customer cannot agree upon a monthly kWh to be billed each month, the Company may require metering to determine the kWh as a basis of billing under the terms of the applicable Company's electric service policies for new services.

**CHANGES TO CUSTOMER EQUIPMENT:** The customer shall not change the capacity requirements of the customer-owned equipment without first notifying the Company in writing a minimum of 30 days before changes are made. The Company reserves the right to verify the total capacity requirements and/or energy usage at any time. Changes to customer equipment that results in the service no longer meeting requirements outlined in the Application section of this tariff will require metering and billing under a tariff rate for which the customer qualifies.





MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

21<sup>st</sup> Revised Sheet No. C-1  
Canceling 20<sup>th</sup> Revised Sheet No. C-1

---

**PRICE ADJUSTMENT CLAUSE:** Alternate Energy Producer Cost Recovery Clause

**APPLICABLE:** To all price schedules for electric service - East, North, and South Systems.

**ALTERNATE ENERGY PRODUCER (AEP) COST RECOVERY:** Costs are the unrecovered amount of payments to AEPs pursuant to Iowa Code Section 476.43 in excess of marginal energy costs. These costs are converted to a per kWh basis using sales forecasted for the recovery year.

**AEP Cost Recovery Factor:** The current factor applicable to all price schedules is \$0.00021 per kWh. |

**Reconciliation:** A reconciliation will be filed annually for the period ending March 31. The AEP costs recovered from customers during the prior period will be compared to actual expenditures. For the Renewable Advantage Program, annual directly assigned program costs in excess of annual program contributions may be recovered through the AEP Clause to the extent cumulative directly assigned program costs exceed cumulative program contributions at the end of the reconciliation year, and annual program contributions in excess of annual directly assigned program costs will be credited through the AEP Clause to the extent cumulative program contributions are less than cumulative directly assigned program costs at the beginning of the reconciliation year. Any over/under collection and any change in forecast sales will be used to adjust the current AEP cost recovery factors.

The current AEP cost recovery factor may also be adjusted whenever marginal costs or actual AEP payments are expected to deviate by over fifty percent (50%) from those on which the current cost recovery factor is based.

**ALTERNATE ENERGY PRODUCER REVOLVING LOAN FUND COST RECOVERY:**  
Costs are the unrecovered amount of payments to the AEP Revolving Loan Fund established in Iowa Code Section 476.46. These costs are currently reflected within the Energy Efficiency Cost Recovery clause, and no separate factor is currently required.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. C-2  
 Canceling 6<sup>th</sup> Revised Sheet No. C-2

**PRICE ADJUSTMENT CLAUSE:** Electric Tax Adjustment

**APPLICABLE:** To All Electric Rates

**ADJUSTMENT:**

When any franchise, occupation, sales, license, excise, privilege or similar tax or fee of any kind is imposed upon the Company by any governmental authority based upon (i) the sale of electric service to customers, (ii) the amounts of electric energy sold to customers, (iii) the gross receipts, net receipts, or revenues to the Company therefrom, or when the Company is required pursuant to pre-existing agreements to provide service without charge, such tax or fee or value of service shall, insofar as practical, be charged on a pro rata basis to all customers receiving electric service from the Company within the boundaries of such taxing authority. Any such charge shall continue in effect only for the duration of such tax, assessment, or service period.

**CURRENT APPLICABLE REQUIREMENTS:**

Iowa Sales Tax:

A state sales tax, as set forth in Section 423.2 of the Iowa Code, shall be applied to all billings for electric service, unless exempted under the provisions of Section 423.3, Iowa Code, and regulations applicable thereto.

T

Local Option Sales Tax:

Where a local option tax, as set forth in Sections 423B.1 and 423B.5 of the Iowa Code, has been imposed in a county, it shall be applied to all billings for electric service to customers within the designated area(s) of application, unless exempted under the provisions of Section 423.3 Iowa Code, and regulations applicable thereto or where such billings are subject to a franchise or user fee and therefore exempt.

N  
 N/D

D  
 L



**PRICE ADJUSTMENT CLAUSE:** Electric Tax Adjustment

Franchise Requirements:

Ackley: A surcharge of 1% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Ackley, as required by Ordinance No. 458, commencing with gross revenue received on or after September 28, 2012.

Ankeny: A surcharge of 2% shall be applied to the gross receipts, minus uncollectible accounts, derived by the Company in the city of Ankeny for the delivery and sale of electric energy. The surcharge shall be charged to customers within the current or future corporate limits of the city of Ankeny, as required by Ordinance No. 1686, commencing with gross revenue received on or after May 1, 2011.

Blanchard: A surcharge of 3% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Blanchard, as required by Ordinance No. 5212, commencing with gross revenue received on or after October 29, 2012.

N  
N  
N  
N  
N

Boyden: A surcharge shall be applied to the gross receipts, less uncollectable amounts, derived by the delivery and sale of electric energy to customers within the corporate limits of the City of Boyden, as required by Ordinance No. 2011-02, commencing with gross revenue received on or after September 1, 2010, as follows:

Residential	5%
Commercial	3%
Industrial	3%

The surcharge shall not be assessed initially on electric energy used by schools and county facilities in Boyden.

Cherokee: A surcharge of 2% shall be applied to the gross receipts of the company from the transmission, distribution, delivery, or sale of electric energy to customers within the corporate limits of the City of Cherokee, excluding the sale of electric energy to the City for its own use, as required by Ordinance No. 550, commencing with gross receipts received on or after July 1, 2010.

L



**PRICE ADJUSTMENT CLAUSE:** Electric Tax Adjustment (cont.)

Franchise Requirements (cont'd):

Clive: A surcharge of 5% shall be applied to the gross receipts, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current or future limits of the City of Clive, as required by Ordinance #934, commencing with receipts on or after January 1, 2011.

Coralville: A surcharge of 1% shall be applied to the gross revenue generated from the sales of electricity within the City of Coralville, as required by Ordinance No. 2010-1010, commencing with gross revenues received on or after July 1, 2010.

Council Bluffs: A surcharge of 2 percent shall be applied to customer's electric service furnished within the city of Council Bluffs required under Ordinance No. 5880, effective July 1, 2006. The surcharge shall not be assessed to the public school facilities or to Pottawattamie County facilities within Council Bluffs' corporate limits.

Des Moines: A franchise fee of 5 percent shall be applied to all billings for electric service furnished within the city of Des Moines in accordance with City Ordinance No. 14341, effective June 1, 2005.

Early: A surcharge of 3% shall be applied to all billings for electric service furnished within the city of Early required under Ordinance No. 261, effective March 1, 2005. The surcharge shall not be assessed to the public school system or to Sac County facilities owned and operated within Early's corporate limits.

Hastings: A surcharge of 5% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to all residential customers within the current and future corporate limits of the city of Hastings, as required by Ordinance No. 2012-6, commencing with gross revenue received on or after January 2, 2013.

N  
|  
|  
|  
N  
  
L



**PRICE ADJUSTMENT CLAUSE: Electric Tax Adjustment (cont.)**

Franchise Requirements (cont'd.)

Hull: A surcharge shall be applied to the gross receipts, less uncollectable amounts, derived from the delivery and sale of electric energy to customers within the corporate limits of the City of Hull, as required by Ordinance No. 324, commencing with gross revenue received on or after December 1, 2011, as follows:

Residential	5%
Commercial	1.5%
Industrial	1.5%
Public Authority	1.5%

L  
|  
|  
|  
|  
|  
|  
L

Indianola: A surcharge of 3% shall be applied to the gross receipts of the company, minus uncollectable amounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the City of Indianola, as required by Ordinance No. 1488, commencing with gross revenue received on or after January 2, 2013

I  
  
T  
T

Inwood: A surcharge shall be applied to the gross receipts, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Inwood, as required by Ordinance No. 221, commencing with gross revenue received on or after October 29, 2012, as follows:

Residential	5%
Non-residential	3%
Public Authorities	0%

Iowa City: A surcharge of 1% shall be applied to the gross revenue of the company, minus uncollectible accounts, derived from the distribution, delivery, and retail sale of electricity by the company. The surcharge shall be assessed to customers within the current or future corporate limits of the city of Iowa City, as required by Ordinance No. 10-4382, commencing with gross revenue received on or after June 1, 2010.

Knoxville: A surcharge of 5% shall be applied to the gross receipts of the company, minus uncollectable accounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Knoxville, as required by Ordinance No. 12-05, commencing with gross revenue received on or after July 31, 2012.

L



---

**PRICE ADJUSTMENT CLAUSE: Electric Tax Adjustment (cont.)**

Franchise Requirements (cont'd.)

Logan: A surcharge of 5% to residential customers and 2% to commercial customers shall be applied to all billings for electric service furnished within the city of Logan to cover electric franchise fee payments required under City Ordinance No. 401, effective February 1, 2005. The surcharge shall not be assessed to public authority customers as a customer.

L  
|  
|  
|  
|  
L

Oskaloosa: A surcharge of 1.5% to industrial customers and 3% for all other customers shall be applied to the gross receipts of the company, minus uncollectable amounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Oskaloosa, as required by Ordinance No. 1313, commencing with gross revenue received on or after January 1, 2012.

Pleasant Hill: A surcharge of 4% shall be applied to all billings for electric service furnished within the city of Pleasant Hill required under City Ordinance No. 614, effective March 1, 2005. The surcharge shall not be assessed to public or public financed colleges, universities and schools.

Rock Valley: A surcharge of 5% shall be applied to all billings for electric service furnished within the city of Rock Valley to cover electric franchise fee payments required under City Ordinance No. 343, effective June 1, 2004.

Sioux City: A surcharge of 2 percent shall be applied to all billings for electric service furnished within the city of Sioux City to cover electric franchise fee payments required under City Ordinance No. 92/U-611, effective December 30, 1992.

Windsor Heights: A surcharge of 5% shall be applied to all residential billings and a surcharge of 3% shall be applied to all commercial, public authority and industrial billings for electric service furnished within the city of Windsor Heights required under Ordinance No. 05-05, effective May 1, 2005. The surcharge shall not be applied to the public school system.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

Substitute 25<sup>th</sup> Revised Sheet No. C-3  
 Canceling 25<sup>th</sup> Revised Sheet No. C-3

**PRICE ADJUSTMENT CLAUSE:** Energy Efficiency Cost Recovery

**APPLICABLE:** To all price schedules for electric service - East, North, and South Systems.

**ENERGY EFFICIENCY COST RECOVERY:** Costs are the unrecovered amount of energy efficiency expenditures including carrying costs for ongoing costs of current programs. The annual portion of costs are allocated to the major class categories for recovery. The class costs are converted to a per kWh basis using sales forecasted for the recovery year.

**Energy Efficiency Cost Recovery Factors:**

<b>East System:</b>					
	<u>Residential</u>	<u>Commercial/ Small Gen'l Svc</u>	<u>Industrial/ Large Gen'l Svc</u>	<u>Lighting</u>	
Total On-going MidAmerican Costs	\$0.00321/kWh	\$0.00206/kWh	\$0.00206/kWh	\$0.00013/kWh	I/R/R
<b>North System:</b>					
	<u>Residential</u>	<u>Commercial/ Small Gen'l Svc</u>	<u>Industrial/ Large Gen'l Svc</u>	<u>Lighting</u>	
Total On-going MidAmerican Costs	\$0.00321/kWh	\$0.00206/kWh	\$0.00206/kWh	\$0.00013/kWh	I/R/R
<b>South System:</b>					
	<u>Residential</u>	<u>Commercial/ Small Gen'l Svc</u>	<u>Industrial/ Large Gen'l Svc</u>	<u>Lighting</u>	T
Total On-going MidAmerican Costs	\$0.00321/kWh	\$0.00206/kWh	\$0.00206/kWh	\$0.00013/kWh	I/R/R





MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. C-3.20  
Canceling 2<sup>nd</sup> Revised Sheet No. C-3.20

L

Reserved for Future Use



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2nd Revised Sheet No. C-4  
Canceling 1st Revised Sheet No. C-4

---

**RESERVED FOR FUTURE USE.**

N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

9th Revised Sheet No. C-4.10  
Canceling Sub 8th Revised Sheet No. C-4.10

---

**RESERVED FOR FUTURE USE.**

N



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

2nd Revised Sheet No. C-4.20  
 Canceling 1st Revised Sheet No. C-4.20

**PRICE ADJUSTMENT CLAUSE:** Cooper Nuclear Station Capital Additions Tracker

**APPLICABLE:** To all electric rates prior to September 30, 2004. To residential and street lighting electric rates effective September 30, 2004.

**CNS CAPITAL ADDITIONS TRACKER:** Prior to September 30, 2004, the CNS Capital Additions Tracker provided a mechanism for recovery of the amount of Cooper Nuclear Station capital expenditures filed with the Iowa Utilities Board for recovery through the application of the tracker. Effective September 30, 2004, the CNS Capital Additions Tracker will be eliminated for all rates except for residential and street lighting rates. Factors for the residential and street lighting rate classifications will be established to achieve revenue-neutral adjustments in rate levels without increasing tariffed rates to any electric customer.

**CALCULATION OF CNS CAPITAL ADDITIONS TRACKER:** Effective January 2, 2008, the factors applicable to residential and street lighting rates are as follows:

T

Residential – Base	<u>East</u>	<u>North</u>	<u>South</u>	
	\$0.00100/ kWh 9, 10, 11, 51, Rider 7	\$0.00100/ kWh RBN, RWN, TBN, TWN	\$(0.00088)/ kWh RBS,RWS, TBS,TWS	I/I/R T
Residential – Heat		<u>North</u>	<u>South</u>	
		\$0.00100/ kWh RSN, REN, RAN, RHN TSN, TEN, TAN, THN	\$(0.00073)/ kWh RSS, RES,RAS, RHS TSS, TES,TAS, THS	I/R T T
Lighting – Street	<u>East</u>	<u>North</u>	<u>South</u>	
	\$0.00087/ kWh 43	\$0.00087 / kWh SLN	\$(0.00099) / kWh SLS	I/I/R

The CNS capital additions charge for residential and street lighting rates, effective January 2, 2008, was determined by adjusting the charge that became effective on November 30, 2006. For the East and North Systems, the adjustment was an increase in the rates to offset the January 2, 2008, reduction to the AEP Cost Recovery Clause rate. For the South System, the adjustment was a decrease in the rates which was determined by dividing the dollar amount of the January 2, 2008, reduction to AEP Cost Recovery Clause for the East and North System by the applicable South System kWh sales.

T

T

T

T



---

**PRICE ADJUSTMENT CLAUSE:** Renewable Advantage Program – Residential Clause

**APPLICABLE REVENUE CLASS:** Residential.

**RENEWABLE ADVANTAGE PROGRAM CONTRIBUTIONS AND COST RECOVERY:** This program allows customers to make voluntary contributions to the development of alternate energy in Iowa pursuant to Iowa Code Section 476.47. Funds collected from customers will be used to construct alternate energy facilities or to purchase alternate energy resources by contract. Funds collected from customers will be used to cover net direct costs. “Net direct costs” are incremental program costs not otherwise recovered through base tariff rates reduced by any program revenue.

**Customer Enrollment:** Customers can sign up by registering on MidAmerican Energy Company’s website, by calling MidAmerican Energy Company or by checking the appropriate box on the bill stub. The customer will continue to be enrolled in the Renewable Advantage Program until notifying MidAmerican Energy Company by phone or in writing.

**Renewable Advantage Billing:** Customers may select one of three different billing options:

1. Customers can make monthly contributions of \$2.50, \$5.00, \$10.00, or an amount of their choosing with a minimum of \$1.00. The monthly charge will be separately identified on the customer’s bill. Non-payment for two consecutive months will automatically remove the participating customer from the program.
2. Customers may make a one-time contribution of a minimum of \$1.00. This contribution must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.
3. Customers may make periodic contributions of a minimum of \$1.00. These contributions must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.

There will be no refunds of funds contributed to this program.

**RECONCILIATION:** On or before April 1 of each year, a reconciliation of the activity for the previous calendar year will be filed. Annual directly assigned program costs in excess of annual program contributions may be recovered through the Alternate Energy Producer Cost Recovery Clause to the extent cumulative directly assigned program costs exceed cumulative program contributions at the end of the reconciliation year. Annual program contributions in excess of annual directly assigned program costs will be credited through the Alternate Energy Producer Cost Recovery Clause to the extent cumulative program contributions are less than cumulative directly assigned program costs at the beginning of the reconciliation year. Cumulative program contributions in excess of cumulative directly assigned program costs will be used to expand the Renewable Advantage Program.

N  
D



**PRICE ADJUSTMENT CLAUSE:** Renewable Advantage Program – Commercial Clause

**APPLICABLE REVENUE CLASS:** Commercial.

**RENEWABLE ADVANTAGE PROGRAM CONTRIBUTIONS AND COST RECOVERY:** This program allows customers to make voluntary contributions to the development of alternate energy in Iowa pursuant to Iowa Code Section 476.47. Funds collected from customers will be used to construct alternate energy facilities or to purchase alternate energy resources by contract. Funds collected from customers will be used to cover net direct costs. “Net direct costs” are incremental program costs not otherwise recovered through base tariff rates reduced by any program revenue.

**Customer Enrollment:** Customers can sign up by registering on MidAmerican Energy Company’s website, by calling MidAmerican Energy Company or by checking the appropriate box on the bill stub. The customer will continue to be enrolled in the Renewable Advantage Program until notifying MidAmerican Energy Company by phone or in writing.

**Renewable Advantage Billing:** Customers may select one of three different billing options:

1. Customers can make monthly contributions of \$5.00, \$10.00, \$20.00, or an amount of their choosing with a minimum of \$1.00. The monthly charge will be separately identified on the customer’s bill. Non-payment for two consecutive months will automatically remove the participating customer from the program.
2. Customers may make a one-time contribution of a minimum of \$1.00. This contribution must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.
3. Customers may make periodic contributions of a minimum of \$1.00. These contributions must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.

There will be no refunds of funds contributed to this program.

**RECONCILIATION:** On or before April 1 of each year, a reconciliation of the activity for the previous calendar year will be filed. Annual directly assigned program costs in excess of annual program contributions may be recovered through the Alternate Energy Producer Cost Recovery Clause to the extent cumulative directly assigned program costs exceed cumulative program contributions at the end of the reconciliation year. Annual program contributions in excess of annual directly assigned program costs will be credited through the Alternate Energy Producer Cost Recovery Clause to the extent cumulative program contributions are less than cumulative directly assigned program costs at the beginning of the reconciliation year. Cumulative program contributions in excess of cumulative directly assigned program costs will be used to expand the Renewable Advantage Program.

N  
D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2nd Revised Sheet No. C-5.20  
Canceling 1st Revised Sheet No. C-5.20

---

**PRICE ADJUSTMENT CLAUSE:** Renewable Advantage Program – Industrial Clause

**APPLICABLE REVENUE CLASS:** Industrial.

**RENEWABLE ADVANTAGE PROGRAM CONTRIBUTIONS AND COST RECOVERY:** This program allows customers to make voluntary contributions to the development of alternate energy in Iowa pursuant to Iowa Code Section 476.47. Funds collected from customers will be used to construct alternate energy facilities or to purchase alternate energy resources by contract. Funds collected from customers will be used to cover net direct costs. “Net direct costs” are incremental program costs not otherwise recovered through base tariff rates reduced by any program revenue.

**Customer Enrollment:** Customers can sign up by registering on MidAmerican Energy Company’s website or by calling MidAmerican Energy Company. The customer will continue to be enrolled in the Renewable Advantage Program until notifying MidAmerican Energy Company by phone or in writing.

**Renewable Advantage Billing:** Customers may select one of three different billing options:

1. Customers can make monthly contributions in the amount of their choosing with a minimum of \$1.00. The monthly charge will be separately identified on the customer’s bill. Non-payment for two consecutive months will automatically remove the participating customer from the program.
2. Customers may make a one-time contribution of a minimum of \$1.00. This contribution must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.
3. Customers may make periodic contributions of a minimum of \$1.00. These contributions must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.

There will be no refunds of funds contributed to this program.

**RECONCILIATION:** On or before April 1 of each year, a reconciliation of the activity for the previous calendar year will be filed. Annual directly assigned program costs in excess of annual program contributions may be recovered through the Alternate Energy Producer Cost Recovery Clause to the extent cumulative directly assigned program costs exceed cumulative program contributions at the end of the reconciliation year. Annual program contributions in excess of annual directly assigned program costs will be credited through the Alternate Energy Producer Cost Recovery Clause to the extent cumulative program contributions are less than cumulative directly assigned program costs at the beginning of the reconciliation year. Cumulative program contributions in excess of cumulative directly assigned program costs will be used to expand the Renewable Advantage Program.

N  
D



**PRICE ADJUSTMENT CLAUSE:** Renewable Advantage Program – Other Clause

**APPLICABLE REVENUE CLASS:** Public Authority and Public Street/Highway Lighting.

**RENEWABLE ADVANTAGE PROGRAM CONTRIBUTIONS AND COST RECOVERY:** This program allows customers to make voluntary contributions to the development of alternate energy in Iowa pursuant to Iowa Code Section 476.47. Funds collected from customers will be used to construct alternate energy facilities or to purchase alternate energy resources by contract. Funds collected from customers will be used to cover net direct costs. “Net direct costs” are incremental program costs not otherwise recovered through base tariff rates reduced by any program revenue.

**Customer Enrollment:** Customers can sign up by registering on MidAmerican Energy Company’s website or by calling MidAmerican Energy Company. The customer will continue to be enrolled in the Renewable Advantage Program until notifying MidAmerican Energy Company by phone or in writing.

**Renewable Advantage Billing:** Customers may select one of three different billing options:

1. Customers can make monthly contributions in an amount of their choosing with a minimum of \$1.00. The monthly charge will be separately identified on the customer’s bill. Non-payment for two consecutive months will automatically remove the participating customer from the program.
2. Customers may make a one-time contribution of a minimum of \$1.00. This contribution must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.
3. Customers may make periodic contributions of a minimum of \$1.00. These contributions must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.

There will be no refunds of funds contributed to this program.

**RECONCILIATION:** On or before April 1 of each year, a reconciliation of the activity for the previous calendar year will be filed. Annual directly assigned program costs in excess of annual program contributions may be recovered through the Alternate Energy Producer Cost Recovery Clause to the extent cumulative directly assigned program costs exceed cumulative program contributions at the end of the reconciliation year. Annual program contributions in excess of annual directly assigned program costs will be credited through the Alternate Energy Producer Cost Recovery Clause to the extent cumulative program contributions are less than cumulative directly assigned program costs at the beginning of the reconciliation year. Cumulative program contributions in excess of cumulative directly assigned program costs will be used to expand the Renewable Advantage Program.

N  
D



PRICE ADJUSTMENT CLAUSE: Local Government Compliance Clause

APPLICABLE: To all electric rates

LOCAL GOVERNMENT COMPLIANCE CLAUSE: In the event a governmental unit enacts an ordinance or otherwise utilizes its constitutional or statutory powers to compel Company, directly or indirectly, to convert existing overhead facilities to underground, the costs of making such conversions as outlined in Section 4 – Changes to Existing Facilities shall be charged to all Company’s customers who purchase electricity for use or consumption within the boundaries of such governmental unit on a per kilowatt-hour (kWh) basis until the cost of such conversions are fully recovered by the Company.

The charges due under this rider will be determined as follows:

$$L_t = \frac{C}{S_t}$$

Where:

$L_t$  = Local Government Compliance Charge per kWh: The amount in dollars per kWh, rounded to the nearest \$0.00001, to be charged for each kWh in any monthly billing period during time period “t” due to the costs of the conversion of facilities compelled by the governmental unit directly or indirectly.

C = The cumulative compliance costs for the governmental unit, including a gross-up amount for the income tax effect of such revenues.

$S_t$  = Estimated kWh sales to be billed to customers within the boundaries of the governmental unit during the period “t” for which “ $L_t$ ” is being determined and shall:

- include the governmental unit in its capacity as a customer and
- exclude any Company facilities located within the boundaries of the governmental unit.

t = The time period over which the factor will be applied and will be the lesser of:

- the months in the remaining term of the existing franchise within the governmental unit, if the resulting “ $L_t$ ” is at or below \$0.01 per kWh, or
- 12 months if the resulting “ $L_t$ ” is at or below \$0.01 per kWh, or
- The number of months necessary to set the billing factor at \$0.01 per kWh if “ $L_t$ ” calculated with “t” equal to 12 is greater than \$0.01 per kWh, or
- 60 months; the resulting “ $L_t$ ” may be greater than \$0.01 per kWh.

T  
T  
T  
T

In the event “ $L_t$ ” is less than \$0.00001 per kWh, a shorter recovery period will be used.



---

**RECONCILIATION:** Billed cost recoveries and conversion costs will be reconciled on an annual basis. Annual adjustments may be made to the billing factor to fully recover conversion costs. As part of the reconciliation process, the Local Government Compliance Charge may be changed to include additional compliance costs that result from the facility changes compelled by the governmental unit since the previous reconciliation.

For the purpose of this Clause,

- A governmental unit means any county, municipality, township, special district, or unit designated as a unit of local government by law and which exercises limited governmental power or powers in respect to limited governmental subjects.
- Costs are the entire amount recorded on the Company's books of account related to compulsory conversions. Such costs may be estimated, subject to adjustment as actual information becomes available.
- The billing period will begin with the first billing cycle of the month and end with the last billing cycle of the month.
- Any facilities the Company is compelled to install shall be the property of the Company.
- The total amount of the charges under this clause will be separately stated on each customer's bill.
- Late payment charges will apply.
- State and local taxes, and franchise fees will not apply.

N  
|  
- - - - -  
N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. C-6.20  
Canceling 5<sup>th</sup> Revised Sheet No. C-6.20

---

CURRENT APPLICABLE LOCAL GOVERNMENT COMPLIANCE CHARGES:

Fort Dodge: A Local Government Compliance Charge of \$0.00620 per kWh shall be applied to all billings for electric service furnished within the city of Fort Dodge to recover conversion costs for completed project costs incurred by Company as of December 31, 2012, as compelled by the city of Fort Dodge, and such charge will be effective March 4, 2013.

I  
T  
T



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. C-7  
Canceling Original Sheet No. C-7

---

Reserved for Future Use.

D/N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. C-7.10  
Canceling Original Sheet No. C-7.10

---

Reserved for Future Use.

D/N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. C-7.20  
Canceling Original Sheet No. C-7.20

---

Reserved for Future Use.

D/N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. C-8  
Canceling Original Sheet No. C-8

---

Reserved for Future Use.

D/N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. C-8.10  
Canceling Original Sheet No. C-8.10

---

Reserved for Future Use.

D/N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. C-8.20  
Canceling Original Sheet No. C-8.20

---

Reserved for Future Use.

D/N



**PRICE ADJUSTMENT CLAUSE** Revenue Adjustment Clause

APPLICABLE: To all price schedules for electric service – East, North, and South Systems.

Revenue adjustment clause charges effective January 1, 2013 through December 31, 2013\*:

Residential	Commercial/ Small General Service	Industrial/Large General Service I	Industrial/Large General Service II	Lighting
\$0.00419/kWh	\$0.00390/kWh	\$0.00375/kWh	\$0.00328/kWh and \$0.21/kW	\$0.00391/kWh

These charges are based on recovery of \$12,385,478 of demand-related charges allocated to customer class based on average and excess allocators and \$63,614,522 of energy-related charges allocated to customer class based on kWh sales.

\* This factor, above, will be set to \$0 for all customer classes upon the implementation of interim rates associated with a general rate case proceeding.

Beginning with bills rendered on and after April 2, 2013 and continuing through December 31, 2013, the following reconciliation factors will be applied to kWh sales in addition to the revenue adjustment clause factors, above. These reconciliation factors shall continue after the implementation of interim rates associated with a general rate case proceeding.

Residential	Commercial/ Small General Service	Industrial/Large General Service I	Industrial/Large General Service II	Lighting
\$(0.00010)/kWh	\$(0.00013)/kWh	\$(0.00004)/kWh	\$(0.00006)/kWh	\$(0.00009)/kWh



Revenue adjustment clause charges after January 1, 2013 will be calculated as follows:

$$R_c = RA_c + \frac{RR_c}{S_c}$$

Where:

$R_c$  = Total Revenue Adjustment Clause Charge Per kW and/or kWh: The amount to be charged for each kW, as applicable, and kWh in any monthly billing period to customer class "c".

$RA_c$  = Revenue adjustment clause charges, above.

$RR_c$  = Reconciliation Amount in Dollars: The over- or under-collection for customer class "c" for the previous year as calculated in the annual reconciliation.

$S_c$  = Remaining Period Retail Sales in kWh: The normal weather Iowa jurisdictional retail sales for customer class "c" as forecasted by MidAmerican for the remaining months in the calendar period during which the reconciliation filing is made.

L  
 L  
 L  
 D



---

RECONCILIATION: Beginning on or before March 1, 2013, and continuing each year thereafter where the Revenue Adjustment Clause remains in effect, the Company shall file an annual reconciliation report with the Iowa Utilities Board. Such filing shall reconcile Revenue Adjustment Clause actual revenues collected for the prior calendar year with the total of the reallocated demand-related and energy-related cost components of the Revenue Adjustment Clause class revenue requirements. In such filing, the class cost allocation factors shall be updated to reflect information for the most recent calendar year historical period for which such data is available.

Any over- or under-collection of revenues from 2012 shall be added to or subtracted from the kWh portion of the Revenue Adjustment Clause Charge for the 2013 calendar-year clause on a prospective basis. Any over- or under-collection of revenues from 2013, or 2014, if the Board approves a one-year extension of the Revenue Adjustment Clause, shall be included as a pro forma adjustment (reflecting a three-year amortization) in the revenue requirement in the first general rate increase applicable after the termination of the Revenue Adjustment Clause.

TERMINATION: Unless the Board approves a one-year extension, the Revenue Adjustment Clause shall terminate on December 31, 2013.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. E-1  
Canceling Original Sheet No. E-1

---

INDEX  
EAST SYSTEM

RESIDENTIAL

<u>Rate No.</u>		<u>Sheet No.</u>
9	Residence Electric Service - Small Use	E-2
10	Residence Electric Service	E-3
11	Optional Time of Day Residence Electric Service	E-4
51	Controlled Water Heating Service	E-5

COMMERCIAL/INDUSTRIAL

22	Commercial and Industrial Service	E-7
42	Commercial and Industrial Service - Optional	E-8
41	Large Industrial Electric Service (200 kW Minimum)	E-9
53	Large Industrial Electric Service (10,000 kW Minimum)	E-10
59	Day Ahead Hourly Pricing	E-11 N

LIGHTING SERVICES

43	Street Lighting	E-12
46	Security Lighting	E-13
45	Municipal General Light and Power Service Davenport District	E-14

REPLACEMENT POWER CONTRACTS	E-16
-----------------------------	------



INDEX  
EAST SYSTEM (Cont.)

<u>Rider No.</u>		<u>Sheet No.</u>
3	Electric Space Heating	E-22
4	Interruptible Power Service	E-23
6	Allowance for Customer-Owned Transformers	E-25
7	Residence Water Heating	E-26
8	Auxiliary and Standby Electric Service	E-27
9	Optional Commercial Time of Day Service	E-28
12	Short Term Interruptible Energy Service	E-31
D		
<u>Rate No.</u>		
58	Alternate Energy Production Facilities	E-35



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

9<sup>th</sup> Revised Sheet No. E-2  
 Canceling 8<sup>th</sup> Revised Sheet No. E-2

RATE NO. 9 RESIDENCE ELECTRIC SERVICE - SMALL USE

Available to East System customers taking electric service for residential use in a single family dwelling unit subject to the following conditions:

1. The combined average daily usage during the customer's two highest billing periods during the most recent June through September billing periods has not exceeded 15 kilowatthours per day, and
2. The customer has taken residence electric service at the same premises for one entire June through September period, except the meter may be sealed on one monthly meter reading date.
3. Conditions set forth in "1" and "2" above are satisfied for initial service if met by the preceding occupant of the premises served.

Customers who subsequently meet the above conditions will be placed on this rate effective with the October billing period following the summer period in which they meet the conditions. Customers on this rate who subsequently do not meet the above conditions will be transferred to another residential rate effective with the October billing period following the summer period in which they do not meet the conditions.

NET MONTHLY RATE PER METER:

Basic Service: \$6.00 per month

Energy Charge: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, CNS Capital Additions Tracker, carbon reduction cost recovery, and revenue adjustment clause.) D/N

Summer  
 For all kWh 8.551¢ per kWh

Winter  
 For the first 800 kWh 7.352¢ per kWh  
 For all over 800 kWh 4.122¢ per kWh

Summer - Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-2.10

---

RATE NO. 9 RESIDENCE ELECTRIC SERVICE - SMALL USE (Cont.)

---

Minimum Charge:

The minimum charge shall be the net monthly basic service charge.

LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

SPECIAL APPLICATIONS:

This rate is subject to the same special applications of Combined Use in Dwelling Unit, Service to Apartment Buildings, and Service to Farms, as specified in other residence electric service rates included in this electric tariff schedule.

GENERAL:

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



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

9<sup>th</sup> Revised Sheet No. E-3  
Canceling 8<sup>th</sup> Revised Sheet No. E-3

RATE NO. 10 RESIDENCE ELECTRIC SERVICE

Available to East System customers taking electric service for residential use in a single family dwelling unit.

NET MONTHLY RATE PER METER:

Basic Service: \$6.00 per month

Energy Charge: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, CNS Capital Additions Tracker, carbon reduction cost recovery, and revenue adjustment clause.) D/N

<u>Summer</u>	<u>Winter</u>
For all kWh 8.551¢ per kWh	For the first 800 kWh 8.301¢ per kWh For all over 800 kWh 4.122¢ per kWh

Summer - Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.

Minimum Charge:

The minimum charge shall be the net monthly basic service charge.

LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

SPECIAL APPLICATIONS:

Combined Use in Dwelling Unit

Where a residence and a business are combined in one residential premises, service for such combined use will be furnished hereunder only in case



---

RATE NO. 10 RESIDENCE ELECTRIC SERVICE (Cont.)

---

the predominant use is for residential purposes. If the use is predominantly for business purposes, the customer shall have the option of taking all service under the applicable commercial rate for general use or of segregating the wiring and taking service hereunder for the residential use and taking service for the balance of the use under the applicable commercial rate.

Service to Apartment Buildings

In the case of apartment buildings in which service to each individual apartment is metered separately and supplied hereunder, lighting for entrances, halls, and stairways and other use of electricity in connection with the operation of such apartment buildings may be served under this rate through a separate meter or may be served through one of the apartment meters.

Service to Farms

All service used in the home and on the farm under this rate shall, so far as practical, be supplied through a single meter. Where separate meters are required to supply farming operations located at such distance that they cannot be connected to the main meter, service supplied through each such additional meter shall be billed separately under this rate.

Service available hereunder for farm home purposes shall be limited to the use of service within the residence on the farm and that required for all general farming and agricultural purposes conducted on the premises.

This rate is not available to establishments in farming areas for processing, distributing, or selling farm or other products which do not originate through production on the premises served. The appropriate commercial rate shall be applied to such service.

GENERAL:

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



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

9<sup>th</sup> Revised Sheet No. E-4  
 Canceling 8<sup>th</sup> Revised Sheet No. E-4

RATE NO. 11 OPTIONAL TIME OF DAY RESIDENCE ELECTRIC SERVICE

Available to any East System customer qualifying as a residential customer under existing residential rates.

NET MONTHLY RATE PER METER:

Basic Service: \$9.50 per month

Billing Demand Charge:

	<u>Summer</u>	<u>Winter</u>
All kilowatts	\$11.21 per kW	\$6.58 per kW

Energy Charge: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, CNS Capital Additions Tracker, carbon reduction cost recovery, and revenue adjustment clause.)

D/N

	<u>Summer</u>	<u>Winter</u>
On Peak - All kilowatthours	5.682¢ per kWh	5.142¢ per kWh
Off Peak - All kilowatthours	4.082¢ per kWh	4.082¢ per kWh

Summer - Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.

On-Peak Hours:

Summer - Hours between 10:00 a.m. and 10:00 p.m. Monday through Friday.

Winter - Hours between 8:00 a.m. and 8:00 p.m. Monday through Friday.

On-Peak hours exclude the United States legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-4.10

---

RATE NO. 11 OPTIONAL TIME OF DAY RESIDENCE ELECTRIC SERVICE (Cont.)

---

Off-Peak Hours: All hours not included in the definition of On-Peak Hours.

Minimum Charge:

The minimum charge shall be the net monthly basic service charge.

LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

BILLING DEMAND:

The billing demand for any month shall be the highest one-hour kilowatt demand established during the on-peak hours during the month.

TERM OF SERVICE:

The term of service shall be a minimum of twelve months. If the customer elects to discontinue service under this rate prior to the expiration of the minimum twelve-month requirement, a charge of \$25 will be made.

SPECIAL APPLICATIONS:

This rate is subject to the same special applications of Combined Use in Dwelling Unit, Service to Apartment Buildings, and Service to Farms, as specified in other residence electric service rates included in this electric tariff schedule.

GENERAL:

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



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

9<sup>th</sup> Revised Sheet No. E-5  
Canceling 8<sup>th</sup> Revised Sheet No. E-5

---

## RATE NO. 51 CONTROLLED WATER HEATING SERVICE

---

Available only for the operation of the controlled heating unit or units of an approved automatic water heater.

Availability of Rate 51 is limited to water heating units in the East System receiving service under this rate on December 31, 1992.

### NET MONTHLY RATE PER METER:

Energy Charge: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, CNS Capital Additions Tracker, carbon reduction cost recovery, and revenue adjustment clause.)

D/N

4.122¢ per kilowatthour

Minimum Charge:

\$2.00 per month

### LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

### CONTROLLED SERVICE:

A separate meter and time control device will be furnished, installed, and maintained by the Company to supply controlled service hereunder. The time control device shall be set by the Company to provide electricity hereunder during not less than 12 hours of any 24-hour period. Such hours shall be fixed by the Company as necessitated by load conditions on the Company's system, but generally shall be from 7:00 p.m. of one day to 7:00 a.m. of the following day.

### APPROVED WATER HEATER INSTALLATION:

An approved water heater installation shall meet the following specifications:



RATE NO. 51 CONTROLLED WATER HEATING SERVICE (Cont.)

1. The storage capacity of the tank shall be at least fifty gallons and must conform to or equal "NEMA Standards for Electric Water Heaters."
2. The units shall be designed for, and operated at, approximately 240 or 208 volts, two-wire, depending upon the service voltage available.
3. The water heater shall be equipped with a lower heating unit and an upper heating unit thermostatically inter-locked so that the lower unit will not operate until the upper unit has heated the water in the top one-quarter of the tank.
4. The heating units shall not exceed the following ratings in watts:

<u>Nominal Capacity of Tank Gallons</u>	<u>Maximum Rated Watts</u>	
	<u>Upper Unit</u>	<u>Lower Unit</u>
52	1500	1000
66	2000	1250
80	2500	1500
110	3000	2000
120	4000	2500
140	4000	3000

The above ratings are based on the requirement of 30 watts per gallon of tank capacity in the upper unit and 20 watts per gallon of tank capacity in the lower unit with wattage rounded off to the nearest standard unit rating. No exception will be made to these unit ratings except for engineering reasons or unusual circumstances in which case special permission is to be obtained from the Company in writing.

5. The customer shall provide a separate circuit for supplying electricity to the controlled heating unit or units and the lower unit shall be permanently connected to such controlled circuit. At the option of the customer, the upper unit may be permanently connected either to the separate controlled circuit or to an uncontrolled circuit served through the general service meter.

T



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. E-5.20  
Canceling Original Sheet No. E-5.20

---

RATE NO. 51 CONTROLLED WATER HEATING SERVICE (Cont.)

---

6. The water heater installation shall not be used to supply hot water for space heating purposes.

GENERAL:

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

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-6

---

RESERVED FOR FUTURE USE.

---

Issued: November 9, 1995  
Issued by: Brent E. Gale  
Vice President-Law and Regulatory Affairs

Effective December 15, 1995



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

10<sup>th</sup> Revised Sheet No. E-7  
 Canceling 9<sup>th</sup> Revised Sheet No. E-7

RATE NO. 22 COMMERCIAL AND INDUSTRIAL SERVICE

Available for service to any East System commercial or industrial customer.

NET MONTHLY RATE PER METER:

Basic Service: \$10.00 per month

Energy Charge: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, carbon reduction cost recovery, and revenue adjustment clause.)

D/N  
N

Summer  
 For all kWh 9.359¢ per kWh

Winter  
 For the first 6000 kWh 7.759¢ per kWh  
 For all over 6000 kWh 6.549¢ per kWh

Summer - Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.

Minimum Charge:

The minimum charge shall be the net monthly basic service charge.

LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-7.10

---

RATE NO. 22 COMMERCIAL AND INDUSTRIAL SERVICE (Cont.)

---

ADJUSTMENT FOR PRIMARY METERING:

Where service is furnished at primary voltage, the Company may, at its option, install the metering equipment on the high-voltage side of the service transformers. In that event, the kilowatthours metered shall be decreased by one and two-tenths percent (1.2%).

GENERAL:

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



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

10<sup>th</sup> Revised Sheet No. E-8  
 Canceling 9<sup>th</sup> Revised Sheet No. E-8

RATE NO. 42 COMMERCIAL AND INDUSTRIAL SERVICE

Available to any East System commercial or industrial customer.

NET MONTHLY RATE:

Basic Service: \$20.00 per month

Billing Demand Charge:

	<u>Summer</u>	<u>Winter</u>
For the first 300 kW	\$ 9.80 per kW	\$7.55 per kW
For all over 300 kW	\$ 9.15 per kW	\$6.95 per kW

Energy Charge: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, carbon reduction cost recovery, and revenue adjustment clause.)

D/N  
N

For the first 300 hours' use per month of the kilowatt billing demand applicable for the month:

	<u>Summer</u>	<u>Winter</u>
For the first 6,000 kWh	5.187¢ per kWh	4.787¢ per kWh
For all over 6,000 kWh	3.937¢ per kWh	3.537¢ per kWh

For the excess over 300 hours' use per month of the kilowatt billing demand applicable for the month:

3.037¢ per kilowatthour

Summer - Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. E-8.10  
Canceling Original Sheet No. E-8.10

---

RATE NO. 42 COMMERCIAL AND INDUSTRIAL SERVICE (Cont.)

---

Minimum Charge:

The minimum monthly bill shall be the basic service charge, applicable energy charges for the month, and billing demand charges for the month.

LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

ADJUSTMENT FOR PRIMARY METERING:

Where service is furnished at primary voltage, the Company may, at its option, install the metering equipment on the high-voltage side of the service transformers. In that event, the kilowatt demand and the kilowatthours metered shall be decreased by one and two-tenths percent (1.2%).

MAXIMUM DEMAND:

The maximum kilowatt demand in any month shall be the highest thirty-minute kilowatt demand established during the month.

BILLING DEMAND:

The billing demand for any month shall be the greater of: (a) the maximum kilowatt demand in such month; (b) 75 percent of the customer's maximum demand applicable for billing in the billing months of June, July, August, and September during the preceding eleven-month period; (c) 50 percent of the customer's maximum demand applicable for billing in all other months during the preceding eleven-month period; or (d) ten kilowatts.

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. E-8.20  
Canceling Original Sheet No. E-8.20

---

RATE NO. 42 COMMERCIAL AND INDUSTRIAL SERVICE (Cont.)

---

D

GENERAL:

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



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

9<sup>th</sup> Revised Sheet No. E-9  
 Canceling 8<sup>th</sup> Revised Sheet No. E-9

RATE NO. 41 LARGE INDUSTRIAL ELECTRIC SERVICE

Available for service supplied through a single meter to any East System industrial customer where service is taken at the Company's untransformed line voltage.

NET MONTHLY RATE:

Basic Service: \$200 per month

Billing Demand Charge:

	<u>Summer</u>	<u>Winter</u>
For the first 300 kW	\$9.57 per kW	\$7.71 per kW
For all over 300 kW	\$9.05 per kW	\$7.21 per kW

Energy Charge: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, carbon reduction cost recovery, and revenue adjustment clause.)

D/N  
N

On Peak - All kilowatthours	3.787¢ per kWh	3.627¢ per kWh
Off Peak - All kilowatthours	2.827¢ per kWh	2.827¢ per kWh

Summer - Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.

On-Peak Hours - Daytime periods between 8:00 a.m. and 8:00 p.m. Monday through Friday during the month, excluding the United States legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

Off-Peak Hours - All hours not included in the definition of On-Peak Hours.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-9.10

---

RATE NO. 41 LARGE INDUSTRIAL ELECTRIC SERVICE (Cont.)

---

Minimum Charge:

The minimum monthly bill shall be the basic service charge, applicable energy charges for the month, and billing demand charges for the month.

REACTIVE DEMAND CHARGE:

A reactive demand charge of thirteen cents per month shall be made for each kilovar by which the customer's maximum reactive demand in kilovars is greater than 50 percent of the customer's maximum kilowatt demand in the same month. The minimum number of kilovars billed in any month shall be the maximum number of kilovars determined to be charged for in the current month or during any of the preceding eleven months for which a charge was made.

LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

ADJUSTMENT FOR METERING AT SECONDARY VOLTAGE:

The Company may, at its option, install the metering equipment on the low-voltage side of the service transformers. In that event, the customer's metered demand and energy shall be increased by one and two-tenths percent (1.2%) and such increased quantities shall be the basis of billing the charges hereunder.

MAXIMUM DEMAND:

The maximum kilowatt demand in any month shall be the highest thirty-minute kilowatt demand established during the month.

The maximum kilovar demand in any month shall be the highest thirty-minute kilovar demand established during the month.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. E-9.20  
Canceling Original Sheet No. E-9.20

---

RATE NO. 41 LARGE INDUSTRIAL ELECTRIC SERVICE (Cont.)

---

BILLING DEMAND:

The billing demand for any month shall be the greater of: (a) the maximum kilowatt demand which has been measured during the daytime periods between 8:00 a.m. and 8:00 p.m. (Monday through Friday during the month excluding the United States legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day); (b) 75 percent of the customer's maximum demand applicable for billing in the billing months of June, July, August, and September during the preceding eleven-month period; (c) 50 percent of the customer's maximum demand applicable for billing in all other months during the preceding eleven-month period; or (d) 200 kilowatts.

D

GENERAL:

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



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. E-10  
 Canceling 7<sup>th</sup> Revised Sheet No. E-10

RATE NO. 53 LARGE INDUSTRIAL ELECTRIC SERVICE

Available for service supplied at a single point of delivery to any East System industrial customer for power, lighting, or other uses in connection with manufacturing and processing.

NET MONTHLY RATE:

Basic Service: \$500 per month

Billing Demand Charge:

	<u>Summer</u>	<u>Winter</u>
For the first 10,000 kW	\$9.18 per kW	\$7.34 per kW
For the next 50,000 kW	\$8.50 per kW	\$6.64 per kW
For all over 60,000 kW	\$6.14 per kW	\$4.61 per kW

Energy Charge: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, carbon reduction cost recovery, and revenue adjustment clause.)

D/N  
N

On Peak - All kilowatthours	3.267¢ per kWh	3.097¢ per kWh
Off Peak - All kilowatthours	2.317¢ per kWh	2.317¢ per kWh

Summer - Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.

On-Peak Hours - Daytime periods between 8:00 a.m. and 8:00 p.m. Monday through Friday during the month excluding the United States legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

Off-Peak Hours - All hours not included in the definition of On-Peak Hours.

Minimum Charge:

The minimum monthly bill shall be the basic service charge, applicable energy charges, and billing demand charges for the month.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-10.10

---

RATE NO. 53 LARGE INDUSTRIAL ELECTRIC SERVICE (Cont.)

---

REACTIVE DEMAND CHARGE:

A reactive demand charge of thirteen cents per month shall be made for each kilovar by which the customer's maximum reactive demand in kilovars is greater than 50 percent of the customer's maximum kilowatt demand in the same month. The minimum number of kilovars billed in any month shall be the maximum number of kilovars determined to be charged for in the current month or during any of the preceding eleven months for which a charge was made.

LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

MAXIMUM DEMAND:

The maximum kilowatt demand in any month shall be the highest thirty-minute kilowatt demand established during the month.

The maximum kilovar demand in any month shall be the highest thirty-minute kilovar demand established during the month.

BILLING DEMAND:

The billing demand for any month shall be the greater of: (a) the maximum kilowatt demand which has been measured during the daytime periods between 8:00 a.m. and 8:00 p.m. (Monday through Friday during the month excluding the United States legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day); (b) 90 percent of the customer's maximum demand applicable for billing in the billing months of June, July, August, and September during the preceding eleven-month period; (c) 50 percent of the customer's maximum demand applicable for billing in all other months during the preceding eleven-month period; or (d) 10,000 kilowatts.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-10.20

---

RATE NO. 53 LARGE INDUSTRIAL ELECTRIC SERVICE (Cont.)

---

SERVICE FACILITIES:

Service will be furnished at the nominal voltage of 7600/13,200 volts, three phase, four-wire, or at such higher voltage as may be available on the Company's system at the location served. The delivery voltage will be specified in the contract. The customer shall furnish all transformers, circuit breakers, and other equipment required for taking service at the voltage specified.

TERM OF CONTRACT:

The obligations hereunder of the customer and the Company shall commence on the date electric service is first rendered to the customer and shall continue until December 31 of that year and for an initial term of three years thereafter and for repeating periods of one year thereafter unless terminated effective on December 31 by written notice given by either party to the other not less than one year prior to the expiration of the initial term or any subsequent one-year term. A letter shall be directed by the Company to the customer within thirty days of the date on which service is first rendered hereunder setting forth said date and shall be acknowledged by the customer. The letter so written shall become a part of the contract upon such acknowledgment and shall become conclusive proof of the subjects.

GENERAL:

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





---

**RATE NO. 59 – DAY AHEAD HOURLY PRICING**

---

**CHARGES:**

**BASELINE USAGE**

Charges for service under this section of the rate will be applied to the Customer's Baseline Usage, will be specific to the Customer and will be included in the Customer's Electric Service Contract. The form of those charges will be as follows:

Basic service charge - a flat amount per month

Energy charges (Subject to tax adjustment, AEP, energy efficiency cost recovery adjustment, carbon reduction cost recovery and revenue adjustment clause.) D/N  
N

- Summer on-peak energy charge
- Summer off-peak energy charge
- Winter on-peak energy charge
- Winter off-peak energy charge

Summer - Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.

On-Peak Hours-Daytime periods between 6:00 a.m. and 10:00 p.m. Monday through Friday during the month, excluding the United States legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and other holidays as specified in the Customer's Electric Service Contract.

Off-Peak Hours - All hours not included in the definition of On-Peak Hours.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised I Sheet No. E-11.20  
Canceling Original Sheet No. E-11.20

---

## **RATE NO. 59 – DAY AHEAD HOURLY PRICING**

---

### **DEVIATIONS FROM BASELINE USAGE**

Energy Charges (Subject to tax adjustment; AEP, energy efficiency cost recovery adjustment, carbon reduction cost recovery, and revenue adjustment clause.) D/N

Charges for service under this section of the rate will be made on a daily basis at the MISO MEC.MECB DA Load Zone (Day-Ahead) price as published by the Midwest Independent Transmission System Operator (Midwest ISO).

### **COORDINATION WITH CURTAILMENT SERVICE:**

A Customer taking service under this rate may also enroll in Rider CS: Curtailment Service if the customer meets all Rider CS: Curtailment Service requirements. Rider CS: Curtailment Service will be considered to have the higher priority of the two rate schedules. On days when the Company declares a curtailment period, customer shall remove its curtailable load from MidAmerican's system as required under the terms of Rider CS: Curtailment Service. Customer will not be compensated for Deviations from Baseline Usage under this Rate 59 tariff during any curtailment period declared by the Company. The terms of Rider CS: Curtailment Service shall govern during any curtailment period declared by Company.

### **CUSTOMER AND COMPANY REQUIREMENTS:**

The Customer will provide to the Company a schedule that will include by hour: (1) Minimum Day-Ahead prices above which it will reduce its load purchased from the Company, and; (2) the amounts in MW by which it will reduce such load at each specified Day-Ahead price. Customer may change its load reduction schedule up to 90 minutes prior to the Midwest ISO's deadline for submissions on the day that schedule will be bid into the day-ahead Midwest ISO market. Under the current MISO deadline of 10:00 a.m. Central Standard Time, changes may be made until 8:30 a.m. Central Standard Time.





MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

9<sup>th</sup> Revised Sheet No. E-12  
 Canceling 8<sup>th</sup> Revised Sheet No. E-12

**RATE NO. 43 STREET LIGHTING**  
 Applies in East System Municipalities Contracting for this Service

Available for service supplied under contract with the municipality for lighting of public streets and thoroughfares and other public places. Company-owned mercury vapor street lights are not available after January 1, 1990 for new installations or replacement of worn-out lights.

**SERVICE TO BE FURNISHED:**

Company-owned lights to be supplied hereunder shall be at locations of existing installations contracted for and at new locations where additional lights are requested by the municipality. Such additional installations will be made by the Company upon receipt of written order from the municipality provided, however, any line extension required shall not exceed 400 feet of overhead secondary. Longer secondary line extensions and additional facilities required to provide service will be subject to excess facilities under Rider EF: Excess Facilities.

**NET RATES:** (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, CNS Capital Additions Tracker, carbon reduction cost recovery, and revenue adjustment clause.)

D/N

1. Company-owned and operated street lights in standard fixtures mounted on mast-arms attached to wood poles and operated on all-night schedule:

<u>Mercury Vapor</u>			<u>High Pressure Sodium</u>		
<u>Watt</u>	<u>Lumen</u>	<u>Rate per Light Per Month</u>	<u>Watt</u>	<u>Lumen</u>	<u>Rate per Light Per Month</u>
100	3,500	\$ 9.32	100	8,500	\$ 10.13
175	7,000	10.23	150	14,500	10.81
250	10,000	11.07	250	23,000	12.08
400	18,000	12.59	400	45,000	14.14
1,000	48,000	20.46			



RATE NO. 43 STREET LIGHTING (Cont.)

D  
D  
D  
D

Mercury vapor lights shall be replaced, before fully depreciated, with high pressure sodium lights at no cost to the customer.

If a customer requests a Company-owned light, which has been in service less than 16 years, be permanently removed, the customer shall pay the cost of removal plus the undepreciated value of the removed facilities which are not reusable by the Company.

If the customer requires the Company to install luminaires at a mounting height greater than can be achieved on existing wood poles, the customer will be required to pay the Company a contribution in aid of construction to cover the cost of changing the pole to taller heights and/or rearranging the facilities.

2. Class A -- Customer-owned group-operated street lights with mounting heights of 40 feet or less and located on roadways not in the category of expressways, freeways, or divided highways for which the Company shall furnish only electric energy, lamp replacements, and cleaning of luminaire glassware.

Class C -- Customer-owned group-operated street lights for which the Company shall furnish only electric energy.

	<u>Rate Per Light Per Month</u>			
	<u>Watt</u>	<u>Lumen</u>	<u>Class A</u>	<u>Class C</u>
Mercury	100	3,500	\$	\$1.11
	175	7,000	2.84	1.94
	250	10,000		2.62
	400	18,000	5.10	3.98
	1,000	48,000	11.09	9.73



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

4th Revised Sheet No. E-12.20  
 Canceling 3rd Revised Sheet No. E-12.20

RATE NO. 43 STREET LIGHTING (Cont.)

	<u>Watt</u>	<u>Lumen</u>	<u>Rate Per</u>	
			<u>Light Per Month</u>	
			<u>Class A</u>	<u>Class C</u>
High Sodium	70	5,000		\$ 0.96
	100	8,500	\$ 3.68	1.31
	150	14,500	4.14	1.93
	250	23,000	5.36	2.74
	400	45,000	7.07	4.32
	1,000	125,000	15.04	10.29
Metal Halide	70	5,900		\$ 0.96
	100	8,900	\$ 3.68	1.31
	175	14,000	4.46	2.25
	250	20,000	5.36	2.74
	400	35,000	7.07	4.32
	1,000	90,000	15.04	10.29

N  
N  
N  
N  
N  
N

3. Any street light discounts in effect prior to July 1, 1987 will continue to their expiration.

TIME SCHEDULES FOR STREET LIGHTS:

Company-owned and customer-owned street lights will be scheduled on every night from thirty minutes after sunset until thirty minutes before sunrise the following day.

All street lights will be controlled on and off by a photo-electric device actuated by intensity of natural light and such device will be set to cause street lights so controlled to burn as nearly as possible on the above schedule.

Customer-owned street lights may also be controlled by other devices by mutual consent of the Company.

MINIMUM CHARGE:

The minimum charge will be based on the number of lamps in service.

MONTHLY BILLING:

Bills shall be rendered monthly for service hereunder.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-12.30

---

RATE NO. 43 STREET LIGHTING (Cont.)

---

INTERRUPTION OF SERVICE:

The customer shall notify the Company promptly of any interruption of service hereunder and give the Company not less than 24 hours to restore the service. If the service is not restored at the expiration of such period, the Company shall make the pro rata abatement of the charges for the full period of the interruption provided, however, that if the interruption is due to storm or other causes beyond the Company's control, the period for such abatement of the charges shall not begin until after a reasonable time for repairs, not to exceed 48 hours, has elapsed.

TERM OF CONTRACT:

An initial term of four years plus that fractional part of a year until the next June 30 and for repeating periods of one year thereafter until terminated effective on June 30 of any year by thirty or more days prior written notice given by either party to the other.

SERVICE TO OTHER GOVERNMENTAL AGENCIES:

The rates provided herein shall be available to other governmental agencies contracting to take street lighting service for not less than a five-year period in areas outside incorporated municipalities where the Company owns and operates suitable electric distribution facilities. Company-owned and installed lights will be connected as described in the Service To Be Furnished section.

GENERAL:

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



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

9<sup>th</sup> Revised Sheet No. E-13  
 Canceling 8<sup>th</sup> Revised Sheet No. E-13

RATE NO. 46 SECURITY LIGHTING

Available in the East System for the lighting of entrances, driveways, and other private areas adjacent to existing 120/240-volt overhead distribution circuits of the Company or where such circuits may be extended to supply overhead lighting units. Mercury vapor lights are not available after January 1, 1990 for new installations or replacement of worn-out lights.

SERVICE TO BE FURNISHED:

The Company will install, own, and maintain the lighting fixture on an existing distribution line pole and furnish electricity and lamp renewals as required to operate the light from dusk to dawn each night. Such service will also be furnished at locations adjacent to an existing distribution pole line of the Company with the lighting fixtures mounted on suitable poles owned and maintained by the customer or on additional standard distribution poles owned by the Company.

The determination of the method of supply and type of facilities rests solely with the Company. This type of service will be furnished only if practical and safe from the standpoint of the Company and will not be supplied to light fixtures attached to buildings or where the installation of such lights would create an unusual hazard.

NET MONTHLY RATE: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, carbon reduction cost recovery, and revenue adjustment clause.)

D/N  
N

<u>Mercury Vapor</u>			<u>High Pressure Sodium</u>		
<u>Watt</u>	<u>Lumen</u>	<u>Rate Per Light Per Month</u>	<u>Watt</u>	<u>Lumen</u>	<u>Rate Per Light Per Month</u>
100	3,500	\$ 6.02	100	8,500	\$ 7.51
175	7,000	7.07	150	14,500	8.14
250	10,000	8.01	250	23,000	9.34
400	18,000	10.05	400	45,000	15.44
1,000	48,000	19.52	1,000	125,000	33.66

\$3.38 per month for each standard distribution pole (not over 40 feet) required in addition to existing poles.

\$0.98 per month for each additional span of overhead circuit.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-13.10

---

RATE NO. 46 SECURITY LIGHTING (Cont.)

---

Minimum Charge:

The minimum charge will be based on lights, poles, and additional spans under contract.

LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

CONTRACT PROVISIONS:

Contracts hereunder are subject to the following in addition to the above net monthly rate and late payment charge:

1. All facilities furnished hereunder shall remain the property of the Company and will be maintained by the Company.
2. Maintenance of lamp equipment will be done only during normal working hours within a reasonable period following notification by the customer of the need for such maintenance. The Company shall be permitted to enter the customer's premises at all reasonable times for the purpose of inspection, maintenance, installation, and removal of its equipment and facilities.
3. The customer is responsible for all damages to or loss of the Company's property located upon his premises unless occasioned by the Company's negligence or by any cause beyond the control of the customer.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-13.20

---

RATE NO. 46 SECURITY LIGHTING (Cont.)

---

TERM OF CONTRACT:

An initial term of one year and thereafter until terminated by ninety or more days' prior written notice given by either party to the other.

GENERAL:

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



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. E-14  
 Canceling 7<sup>th</sup> Revised Sheet No. E-14

**RATE NO. 45 MUNICIPAL GENERAL LIGHT AND POWER SERVICE**  
 Applies in Davenport, Bettendorf, Riverdale, and Panorama Park

Available for municipal general light and power service embracing electricity to be used for light and power purposes in connection with the operation of city-owned and operated traffic lights and municipal buildings such as the city hall, city fire stations, city library, city sewage lift stations, city park buildings, city garage, and public recreational centers located on city property and operated under municipal supervision.

NET MONTHLY RATE: (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustment, carbon reduction cost recovery, and revenue adjustment clause.)

D/N  
 N

Meter Charge: \$5.00 per meter per month, plus

Energy Charge:

	<u>Summer</u>	<u>Winter</u>
For all kilowatthours	9.637¢ per kWh	7.667¢ per kWh

Summer - Applicable during the four monthly billing periods of June through September.

Winter - Applicable during the eight monthly billing periods of October through May.

Minimum Charge:

\$5.00 per meter per month

LATE PAYMENT CHARGE:

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-14.10

---

RATE NO. 45 MUNICIPAL GENERAL LIGHT AND POWER SERVICE

---

ADJUSTMENT FOR PRIMARY METERING:

Where service is furnished at primary voltage, the Company may, at its option, install the metering equipment on the high-voltage side of the service transformers. In that event, the kilowatt demand and the kilowatthours metered shall be decreased by one and two-tenths percent (1.2%).

GENERAL:

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



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-15

---

RESERVED FOR FUTURE USE

---

Issued: November 9, 1995  
Issued by: Brent E. Gale  
Vice President-Law and Regulatory Affairs

Effective December 15, 1995



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. E-16  
Canceling Original Sheet No. E-16

---

REPLACEMENT POWER CONTRACT

---

No Replacement Power Contracts are currently in effect.

D  
D  
D  
T



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet Nos. E-17 thru E-19

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. E-20  
Canceling Original Sheet No. E-20

---

**RESERVED FOR FUTURE USE.**

**N**



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-21

---

RESERVED FOR FUTURE USE

---

Issued: November 9, 1995  
Issued by: Brent E. Gale  
Vice President-Law and Regulatory Affairs

Effective December 15, 1995



---

### RIDER NO. 3 ELECTRIC SPACE HEATING

---

Available to any East System commercial customer for electric service used exclusively for space heating under the following conditions:

1. The electric space heating facilities to be served hereunder shall be permanently installed, thermostatically controlled, and contain not less than two kilowatts total installed capacity.
2. The space heating facilities to be served hereunder shall be arranged to permit measurement of only the electricity used for space heating through a single meter. Consumption measured by such meter for the Company's June, July, August, and September billing periods will be included along with other uses at the applicable rate.
3. The customer shall have made application to the Company for service hereunder and shall have furnished information relative to the estimated kilowatt capacity of the space heating facilities to be used and the design conditions upon which such kilowatt capacity was determined.

#### CHARGES:

The net charge for electricity used exclusively for space heating hereunder shall be 4.407 cents per kilowatthour, subject to the applicable tax adjustment, AEP and energy efficiency cost recovery adjustments, carbon reduction cost recovery, and revenue adjustment clause.

D/N  
N

There is no minimum charge associated with this rider.

A late payment charge of one and one-half percent per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

#### GENERAL:

Electricity used by the customer for purposes other than space heating shall be furnished at the charges provided for in the rates to which this rider is applicable. Except as specified herein, all other provisions of the rates to which this rider is applicable shall apply.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. E-23  
Canceling 1<sup>st</sup> Revised Sheet No. E-23

---

## RIDER NO. 4 INTERRUPTIBLE POWER SERVICE

Applicable to Rate Nos. 22, 41, 42 and 53

---

Availability of Rider No. 4 is limited to customers taking service under this rider on December 31, 1996, and only on the amount of service under contract as of that date.

Available to any customer who will interrupt all or a portion of his electric requirement by at least 1,000 kW when requested to do so at such times and for such durations as determined solely by the Company, except that the aggregate of loads subject to such interruption served all customers on the Company's system shall not exceed a designated total quantity of kilowatts to be specified by the Company from time to time. Such aggregate total quantity shall be determined on the basis of system capacity and load patterns. At the effective date hereof, the aggregate total quantity in the Company's East System shall not exceed 64,000 kW, including load served under Rider No. 5. The Company will attempt to provide at least two hours' notice of any interruption.

### DEMAND CHARGE CREDIT:

For agreeing to interrupt electrical requirements, the customer shall receive for billing purposes the following credit against the Billing Demand Charge or a prior mutually accepted demand when the customer is billed on Rate 22 each month:

For all kW of interruptible load agreed to in writing and subject to refinement to the nearest 100 kW based on actual metering determination or mutual agreement:  
\$3.20 per kilowatt.

(No less than 1,000 kW of interruptible load may be agreed to; any additional quantities must be in 100 kW increments.)

L



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. E-23.10  
Canceling Original Sheet No. E-23.10

---

RIDER NO. 4 INTERRUPTIBLE POWER SERVICE (Cont.)

---

GENERAL:

The Company reserves the right to assure itself that any agreed upon interruptible load has a reasonable probability of being on the Company's system during peak load periods and can be readily interrupted. The Company also reserves the right to require verification that such interruptible load has actually been interrupted including the installation of additional metering at the customer's expense, if necessary. The Company shall have no liability to the customer or to any other person, firm, or corporation for any loss, damage, or injury by reason of any interruption or curtailment as provided herein.

L  
|  
|  
|  
|  
|  
|  
|  
L

Any requests to cancel participation in this Rider No. 4 Interruptible Power Service must be received by the Company in writing no less than sixty (60) days before the first of the month in which the cancellation is to be effective.

N  
N  
N  
D

Except as provided herein, all other provisions of the rates to which this rider is applicable shall apply.

L  
L







MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

7th Revised Sheet No. E-24  
Canceling 6th Revised Sheet No. E-24

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. E-24.10  
Canceling Original Sheet No. E-24.10

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3rd Revised Sheet No. E-24.20  
Canceling 2nd Revised Sheet No. E-24.20

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3rd Revised Sheet No. E-24.30  
Canceling 2nd Revised Sheet No. E-24.30

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

1st Revised Sheet No. E-25  
 Canceling Original Sheet No. E-25

**RIDER NO. 6 ALLOWANCE FOR CUSTOMER-OWNED TRANSFORMERS**  
 Applicable to Rate Nos. 22, 42, 41 and 53

**AVAILABILITY - COMMERCIAL AND INDUSTRIAL CUSTOMERS:**

Available to any commercial and industrial customer with an electrical demand of 300 kW or more purchasing electrical service on Rate No. 22 or Rate No. 42 and taking electrical service at an untransformed line (primary) service voltage and who furnishes, installs, and maintains transformers and associated equipment for the transformation from the untransformed line voltage to a utilization secondary voltage. Untransformed line voltage and secondary voltage are those voltages listed in the Company's Electric Service Policies. T

This rider shall not be available to a customer where the Company is providing a transformation from a Company untransformed line voltage to a customer distribution system which may be one of the untransformed line voltages listed in the Company's Electric Service Policies, even though the customer further transforms the voltage on a customer distribution system to a utilization secondary voltage. T

This rider shall not be available in locations where 208Y/120 volt, three-phase, four-wire, secondary network service is available.

**AVAILABILITY - LARGE INDUSTRIAL CUSTOMERS:**

Available to any industrial customer with an electrical demand of 300 kW or more purchasing electrical service on Rate No. 41 or Rate No. 53 and taking electrical service at a primary service voltage of 69,000 volts or 161,000 volts and who furnishes, installs, and maintains transformers and associated equipment for the transformation from that voltage to a utilization voltage or the customer system voltage.

**BILLING:**

For furnishing, installing, and maintaining transformers and associated equipment necessary to use service as detailed in AVAILABILITY, preceding, the customer shall receive, for billing purposes, the following credit against the billing charge each month:



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-25.10

---

RIDER NO. 6 ALLOWANCE FOR CUSTOMER-OWNED TRANSFORMERS (Cont.)

---

For each kilowatt of the billing demand on Rate No. 42 or the measured demand or a prior mutually accepted demand when the customer is billed on Rate No. 22:

Twenty-nine cents (29¢) per kilowatt of demand.

Twenty-five cents (25¢) for each kilowatt of the billing demand on Rate No. 41 or Rate No. 53.

GENERAL:

Transformers and associated equipment which may be furnished and maintained by the Company under the provisions of Rider No. 1, Excess Facilities, shall be deemed under the application of this rider to be furnished, installed, and maintained by the customer.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

9<sup>th</sup> Revised Sheet No. E-26  
Canceling 8<sup>th</sup> Revised Sheet No. E-26

---

### RIDER NO. 7 RESIDENCE WATER HEATING

Applicable to Rate 10 in the Fort Dodge District, Excluding the City of Fort Dodge and the Towns of Badger, Barnum, Clare, Manson, Moorland, and Otho, Iowa, and Excluding the Duncombe, Iowa Customers Not Presently Served Under this Rider

---

Available to any customer using the Company's electric service for the operation of an approved resistance type water heater installation for controlled service.

Availability of Rider 7 is limited to water heating units receiving service under this rider on December 31, 1992.

**NET MONTHLY RATE:** (Subject to tax adjustment, AEP and energy efficiency cost recovery adjustments, CNS Capital Additions Tracker, carbon reduction cost recovery, and revenue adjustment clause.) D/N  
N

4.122¢ per kilowatthour plus energy cost adjustment for the first 150 kilowatthours of the customer's total use in excess of 150 kilowatthours plus 40% of the next 600 kilowatthours of such excess of 150 kilowatthours.

#### **METERING AND BILLING:**

The water heating service shall be metered in combination with the customer's other uses through the same meter and shall be billed in combination with the other uses as a single amount. There will be no additional minimum charge for the water heating service.

#### **APPROVED WATER HEATER INSTALLATION:**

An approved installation shall consist of an automatic storage type heater of not less than forty gallons storage capacity with an upper and lower heating unit operated at 208 or 240 volts depending on service voltage available. The upper unit shall be located and thermostatically controlled as to heat approximately the top one-quarter of the tank and the lower unit shall be located near the bottom of the tank. The two heating units shall be thermostatically interlocked so that the two cannot operate at the same time and so that the lower unit will be inoperative until the top portion of the tank has been heated. The heating units shall not exceed the following ratings:



RIDER NO. 7 RESIDENCE WATER HEATING (Cont.)

Storage Capacity in Gallons	Maximum Wattage	
	Lower Unit	Upper Unit
40 to 49	1000	2000
50 to 59	1500	2500
60 to 74	1750	2750
75 to 99	2000	3000
100 to 149	2500	4000
150 & over	3500	5000

A time control device, to be furnished, owned, and maintained by the Company and installed by the customer, shall be connected in the wiring to the lower heating unit so that the upper heating unit will operate independently of the time control device.

SEMI-CONTROLLED WATER HEATING SERVICE:

Operation of the time-controlled lower heating unit shall be limited to a charging period of not less than ten hours of any 24-hour period. The charging hours shall be fixed by the Company as necessitated by load conditions on the Company's system, but will be within the 12-hour period from 9:00 p.m. each day and 9:00 a.m. the following day until further notice. Operation of the upper heating unit is unrestricted, making service from it available on an uninterrupted basis.

D

GENERAL:

No water heater installation served hereunder may be used to supply hot water for space heating purposes.



---

RIDER NO. 8 AUXILIARY AND STANDBY ELECTRIC SERVICE

---

Available to any customer being served under Rate Nos. 41, 42, and 53 for auxiliary or standby electric service who has installed on his premises privately-owned equipment for power production purposes and contracts with the Company to use such service. Contracts will be made for this service 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.

Customer-owned power production equipment shall not operate in parallel with the Company's system until the installation has been inspected by an authorized Company representative and final written approval is received from the Company to commence parallel operation.

Electric service and billing for such service shall be according to provisions contained in the applicable rate schedule, subject to the following Billing Demand and Minimum Charge modifications:

**BILLING DEMAND:**

The customer shall contract for a specific kilowatt demand sufficient to meet the customer's minimum requirements, but not less than the minimum demand specified in the applicable rate schedule, which kilowatt demand shall be the minimum billing demand for purposes of determining the monthly charges under the applicable rate schedule. In the event the contract demand is exceeded in any month by a higher billing demand (determined as provided in the applicable rate schedule), such higher demand shall be considered as the new billing demand for the month. The billing demand thereafter shall be according to the provisions in the applicable rate schedule, but shall not be less than the contract demand.

**MINIMUM CHARGE:**

The minimum charge for any month's service shall be the demand charge for the applicable billing demand plus an amount equal to the energy charge for 200 kilowatthours per kilowatt of such billing demand.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-27.10

---

RIDER NO. 8 AUXILIARY AND STANDBY ELECTRIC SERVICE (Cont.)

---

The amount by which the net bill payable in any month under the applicable rate schedule, using the applicable billing demand and the actual energy consumed, is less than the minimum charge provided for herein and paid for in such month is hereinafter called the deficiency. In the final billing month of each contract year, deficiencies paid by the customer during the contract year shall be credited by the Company against payments made hereunder in excess of the minimum charges during such contract year. These credits shall not exceed the total of the deficiencies paid by the customer during the contract year.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-28

---

## RIDER NO. 9 OPTIONAL COMMERCIAL TIME-OF-DAY SERVICE

---

Available to any customer being served under Rate Nos. 22 and 42. This rider is not applicable to usage taken under the space-heating rider.

### NET MONTHLY RATE PER METER:

The applicable charges under Rate Nos. 22 and 42, plus the following additional charges.

Meter Charge: \$4.00 per month

### Energy Charge:

The energy charge shall be increased by 0.79¢ per kilowatthour for all kilowatthours used during on-peak hours and shall be reduced by 0.66¢ per kilowatthour for all kilowatthours used during off-peak hours.

### On-Peak Hours:

Summer - Hours between 10:00 a.m. and 10:00 p.m. Monday through Friday.

Winter - Hours between 8:00 a.m. and 8:00 p.m. Monday through Friday.

On-Peak hours exclude the United States legal holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

Off-Peak Hours: All hours not included in the definition of On-Peak Hours.

### MAXIMUM DEMAND:

The maximum demand for customers served under Rate No. 42 shall be the maximum kilowatt demand measured during on-peak hours.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-28.10

---

RIDER NO. 9 OPTIONAL COMMERCIAL TIME-OF-DAY SERVICE (Cont.)

---

TERM OF METER USE:

The term of meter use where polyphase meters are used shall be a minimum of thirty-six months. If the customer elects to discontinue service under this rider prior to the expiration of the minimum period, a charge of \$200 will be made.

GENERAL:

Except as provided herein, all other provisions of the rates to which this rider is applicable shall apply.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. E-29

---

RESERVED FOR FUTURE USE.

---

Issued: November 9, 1995  
Issued by: Brent E. Gale  
Vice President-Law and Regulatory Affairs

Effective December 15, 1995



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3rd Revised Sheet No. E-30  
Canceling 2nd Revised Sheet No. E-30

---

**RESERVED FOR FUTURE USE.**

**N**



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. E-31  
Canceling Original Sheet No. E-31

---

## RIDER NO. 12 SHORT TERM INTERRUPTIBLE ENERGY SERVICE

---

**Available:** To any East System customer willing to interrupt a minimum of 2 MW when requested.

T

**Rate and Terms:** The Company may invite voluntary interruptions from time to time by customers served under the Rider. It is anticipated that this will occur when interruptions will allow the Company either to avoid costly energy purchases, or to increase sales, in the wholesale market.

The price to be paid to customers under the Rider will be negotiated prior to each request for interruption. The amount of load to be interrupted and the duration of the interruption will also be negotiated prior to each interruption.

Customers served under the Rider will be under no obligation to accept the Company's offer to participate in any interruption. However, customers also served under other interruptible / curtailment tariffs remain obligated to make any mandatory interruptions required by those tariffs.

Effective participation in the wholesale market may require interruptions by multiple customers. Therefore, the Company anticipates that it will make initial inquiries about customer willingness to interrupt prior to formally requesting such interruptions.

Customers may at any time notify the Company of their desire to be offered future opportunities to interrupt load and receive payments under the Rider, or their desire not to be notified of future interruptions.

MidAmerican shall bear no liability whatsoever for Customer's choice to reduce its retail consumption in lieu of taking such retail electric service from MidAmerican.

At the end of each billing month following an interruption, Company will determine the total amount of energy interrupted by a customer during that month. Payments will be made at the price negotiated at the time of each interruption. Customers failing to interrupt after accepting Company's offer will forfeit any such payments and may be removed from the Rider.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. E-32.00  
Canceling 4<sup>th</sup> Revised Sheet No. E-32.00

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. E-32.10  
Canceling 2<sup>nd</sup> Revised Sheet No. E-32.10

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Sheet No. E-32.20  
Canceling 1<sup>st</sup> Substitute Original Sheet No. E-32.20

---

RESERVED FOR FUTURE USE

---

Issued: March 30, 2009  
Issued by: Naomi G. Czachura  
Vice President

Effective: May 1, 2009



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. E-32.30  
Canceling 1<sup>st</sup> Revised Sheet No. E-32.30

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. E-32.40  
Canceling 1st Substitute Original Sheet No. E-32.40

---

RESERVED FOR FUTURE USE



**MidAmerican**  
**ENERGY**

MidAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. E-33  
Canceling Sheet Nos. E-31 thru E-33

---

RESERVED FOR FUTURE USE.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. E-34  
Canceling Sub. First Revised Sheet No. E-34

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 3rd Revised Sheet No. E-34.10  
Canceling Sub. Second Revised Sheet No. E-34.10

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 3rd Revised Sheet No. E-34.20  
Canceling Sub. Second Revised Sheet No. E-34.20

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. E-34.30  
Canceling Sub. First Revised Sheet No. E-34.30

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. E-34.40  
Canceling Sub. First Revised Sheet No. E-34.40

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. E-34.50  
Canceling Sub. Original Sheet No. E-34.50

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. E-34.60  
Canceling Sub. Original Sheet No. E-34.60

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. E-34.70  
Canceling Sub. Original Sheet No. E-34.70

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. E-34.80  
Canceling Sub. Original Sheet No. E-34.80

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. E-34.90  
Canceling Sub. Original Sheet No. E-34.90

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

Sub. 2<sup>nd</sup> Revised Sheet No. E-35  
 Canceling Second Sub. First Revised Sheet No. E-35

**RATE NO. 58 ALTERNATE ENERGY PRODUCTION FACILITIES  
 CONTRACT PROVISION OFFERED**

**AVAILABILITY**

This rate schedule is applicable to purchases by the Company from an Alternate Energy Production Facility or a Small Hydro Facility as such terms are defined by Section 476.42, Iowa Code. Such facilities will be referred to in this rate schedule individually as "Facility." Purchases by the Company under this rate schedule are available pursuant to a written contract entered into by the Company and the owner or operator of the Facility that is located in the Company's Iowa electric service area. The Company shall purchase 55,200 kW of AEP generating capacity and associated energy production, or such other amount as may be required by law, for its Iowa operations under this schedule. The Company is not required to enter into contracts with any Qualifying Facility with net capacity of greater than 20,000 kilowatts pursuant to the order of the Federal Energy Regulatory Commission in Docket No. QM-09-5-000 issued August 12, 2009. The Company is not required to enter into contracts with an Alternate Energy Production Facility or Small Hydro Facility with net capacity of greater than 20,000 kilowatts as long as the Company has fulfilled its obligation pursuant to Iowa Code Sections 476.43 and 476.44 to enter into long-term contracts to purchase or wheel electricity from alternate energy production facilities or small hydro facilities. For information on non-discriminatory access to markets, such Qualifying Facility, Alternate Energy Production Facility or Small Hydro Facility should contact the Midwest Independent Transmission System Operator, Inc.

N  
N  
N  
N  
N  
N  
N  
N  
N  
N  
N

**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. This rate schedule is subject to change upon approval by the Iowa Utilities Board. In addition, service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapter 45 and Section 5 of this tariff, Electric Interconnection of Distributed Generation Facilities.

N  
N  
N  
D

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

D

**METERING**

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



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. First Revised Sheet No. E-35.10  
Canceling Original Sheet No. E-35.10

---

**RATE NO. 58 ALTERNATE ENERGY PRODUCTION FACILITIES  
CONTRACT PROVISION OFFERED (Cont.)**

---

1. "Net Arrangement" with a single meter monitoring only the net amount of electricity sold or purchased.
2. "Simultaneous Purchase and Sale Arrangement" with one meter measuring sales to the Company and a separate meter measuring purchases from the Company; provided, however, that if the Facility selects the Simultaneous Purchase and Sale Arrangement option, the Facility is prohibited from arranging or modifying its facilities to sell back to the Company the same energy it purchased. Under this arrangement, all electricity provided by the Facility is sold to the Company at the buy-back rate, and all electricity used by the Facility is sold to the Facility at filed tariff rates.

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. The Facility shall reimburse the Company for the cost, installation, and maintenance of all metering equipment necessary for measuring and billing the electricity sold to and purchased from the Company.

**BILLING AND PAYMENT**

The Company shall provide 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.

"Monthly Service Charge:" A Monthly Service Charge of \$7.50 per month shall be paid by the Facility to the Company in order to cover recurring costs for meter reading, bill and credit calculations, and accounting and related matters. Services, other than those covered by the Monthly Service Charge, which are requested by the Facility and provided by the Company will be billed at applicable rates. The Monthly Service Charge is subject to the Tax Adjustment.

Billing by the Company shall be rendered monthly. The term "monthly" for billing purposes hereunder shall mean the period between any two consecutive regular readings by the Company for the meter(s) at the Facility, such readings to be taken as nearly as may be practicable every thirty days. The billings shall be calculated using the applicable rate(s).



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. E-35.20  
 Canceling Sub. First Revised Sheet No. E-35.20

**RATE NO. 58 ALTERNATE ENERGY PRODUCTION FACILITIES  
 CONTRACT PROVISION OFFERED (Cont.)**

Bills are due within twenty days from the date the bill is rendered to the customers. Bills not paid within the twenty day period will be assessed a late payment charge. The late payment charge is equal to 1.5 percent per month of the past due amount.

Payment by the Company, if any, shall be made to the Facility within twenty days from the date the meter is read. The Company's obligation for billing and payment to the Facility for energy delivered to the Company shall not commence until the Company has provided written approval for operation.

**ADDITIONAL PROVISIONS**

**Administrative Rules:** Prior to interconnecting with the Company's electric system and at all times during continuation of such interconnection, the Facility must satisfy the requirements of Sections 476.41 through 476.45, *Iowa Code*, and 199 IAC Sections 15.10(1), 15.10(3) through 15.10(6), 15.11(1) and 199 IAC Chapter 45.

T  
 T  
 D

**Permits and Inspection Fees:** The Facility shall secure without cost to the Company all necessary permits for the installation and operation of the electrical wiring and equipment on the Facility's premises and to the point of interconnection. If the Facility is not the owner of the premises, or of intervening property between the premises and the Company's lines, the Facility shall obtain from the proper owner, or owners, the necessary easement for the installation and maintenance on said premises or such intervening property of all wiring and other electrical equipment required for sale of electricity to the Company.

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. E-35.30  
Canceling Sub. First Revised Sheet No. E-35.30

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. E-35.40  
Canceling Sub. First Revised Sheet No. E-35.40

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. E-35.50  
Canceling Sub. First Revised Sheet No. E-35.50

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. E-35.60  
Canceling Sub. First Revised Sheet No. E-35.60

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. First Revised Sheet No. E-35.70  
Canceling Original Sheet No. E-35.70

---

RESERVED FOR FUTURE USE.

D



INDEX  
NORTH SYSTEM

	<u>Sheet No.</u>
Electric Rate Application	N-2
<u>Price Schedule</u>	
RESIDENTIAL	
RBN	Base Use N-3
RWN	Base Use with Electric Water Heating N-4
RSN	Electric Space Heating N-5
REN	All Electric N-6
RAN	All Electric Apartment N-7
RHN	Apartment with Electric Space Heating N-8
RTN	Time-of-Use N-9
GENERAL SERVICE	
GBN	Base - Energy Only Metering N-13
GEN	Electric Heat - Energy Only Metering N-14
GDN & ADN	Base - Demand Metered N-15
GPN & ARN	Base - Primary Metered N-16
GHN	Electric Heat - Demand Metered N-17
GUN	Time-of-Use - Secondary Voltage N-18
GTN	Time-of-Use - Primary Voltage N-19
GSN	Separately Metered Electric Space Heating N-20
GWN	Separately Metered Electric Water Heating N-21
LARGE GENERAL SERVICE	
LLN & ALN	Base Use at Secondary Voltage N-23
LPN & APN	Base Use at Primary Voltage N-24
LEN	Large General Service with Electric Space Heating at Secondary Voltage N-25
LHN	Large General Service with Electric Space Heating at Primary Voltage N-26

D



---

INDEX  
NORTH SYSTEM (CONT.)

<u>Price Schedule</u>		<u>Sheet No.</u>
LARGE GENERAL SERVICE (Cont.)		
LTN/LON	Time-of-Use at Secondary Voltage	N-28
LVN/LRN	Time-of-Use at Primary Voltage	N-29
LNP/LNO	Time of Use at Transmission Voltage	N-30
LJD	Contract Power	N-31
CJD	Contract Power	N-32
CTE	Contract Power	N-33
CAP	Contract Power	N-34
LIGHTING SERVICE		
	Street - Area - Security - Customer Owned	N-38
PUBLIC AUTHORITY		
ABN	Water Pumping	N-41
ATN	Traffic Controls	N-42
Price Schedule		
24	Qualifying Alternate Energy Production	N-45
Rider No.		
12	Short Term Interruptible Energy Service	N-45.90

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. N-2

---

## ELECTRIC RATE APPLICATION - NORTH SYSTEM

### 1. DEFINITIONS

**Demand:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of customer's greatest use during the month, determined to the nearest kW.

**Reactive Demand:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter. Where possible said readings shall be for the 15-minute period of customer's greatest lagging reactive use during the month, determined to the nearest kilovar. In the event only kilovar-hour metering is installed, readings shall be used to compute the average hourly kVAR of the customer's lagging reactive use during the month, determined to the nearest kilovar.

**Service Voltage Adjustments:** Discounts provided to customers accepting delivery of electric service at primary voltage and above.

**Minimum Bill:** An amount charged, where applicable, to customers to recognize that facilities have been constructed and made available for the customers' use regardless of whether the customers then actually make use of them.

**Primary Voltage Service:** Service provided to the customer at voltages greater than 600 volts, but less than transmission voltage.

**Secondary Voltage Service:** Service provided to the customer at voltages up to and including 600 volts.

**Transmission Voltage Service:** Service provided to the customer at voltages greater than or equal to 34,500 volts.

**Qualifying Cogeneration or Small Power Production Facility:** A power generation facility which has obtained certification under the Public Utilities Regulatory Policy Act of 1978.

**Alternate Energy Production or Small Hydro Facility:** A power generation facility meeting the requirements of 199 Iowa Administrative Code, Chapter 15.

### 2. RESIDENTIAL SERVICE

Single phase electric alternating current of 60 Hz is available as 120 volt two-wire or 120/240 or 120/208 volt three-wire or such higher voltage as may be agreed upon for single family residential purposes, including incidental farm usage supplied through the same meter.

Where a portion of a dwelling is used regularly for business or professional purposes, the premises will be classified as non-residential and the appropriate price schedule applied. However, if the service for residential purposes can be metered separately through appropriate wiring, the residential classification will be applied to such service.



Service in this classification is not available for fraternity houses, multiple dwellings with two or more distinct living quarters, or rooming houses with more than four rooms occupied by persons not members of the customer's immediate family.

Three phase electric service is not available under the Residential service classification. However, urban residential customers receiving three phase electric service prior to October 17, 1969, may continue to receive such service under the applicable residential price schedule on a separately metered and separately billed basis until appropriate elimination of this practice can be accomplished.

Residential service is available under:

- a. Price Schedule RBN - Residential Base Use.

The base use residential service is available to all residential customers who do not qualify for one of the other residential rates.

- b. Price Schedule RWN - Electric Base Use with Electric Water Heating.

The base use with water heating residential service is available to those residential service customers who have elected to install an electric water heater. The water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the residence.

T

- c. Price Schedule RSN - Electric Space Heating.

The electric space heating residential service is available to customers who have installed electric heating as their preponderant source of space heating for the residence. The electric space heating devices must conform to Company specifications and be in regular use for supplying the domestic space heating requirements of the residence.

T

- d. Price Schedule REN - All Electric.

The all electric residential service is available to customers who have installed both electric heat and an electric water heater. The electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the residence, and be the preponderant source of space heating for the residence. The electric water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the residence.

T

T

- e. Price Schedule RAN - All Electric Apartment.

The all electric apartment service is available to residential customers for domestic uses in individually metered apartments with electric space and water heating. Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the residence, and be the preponderant source of heat for the apartment. The electric water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the apartment.

T

T



f. Price Schedule RHN - Apartment with Electric Space Heating.

The apartment with electric space heating service is available to residential customers for domestic uses in individually metered apartments with electric space heating. Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the residence, and be the preponderant source of heat for the apartment.

g. Price Schedule RTN - Residential Time-of-Use.

The residential time-of-use service is available to all residential customers. It is a seasoned service, being only available in the summer, May 16 through September 15. Customers electing this service will be billed for on-peak energy on weekdays after 12:00 (noon) p.m. - 7:00 p.m., except for the following holidays: Memorial Day, Independence Day and Labor Day. Customers will be billed for off-peak energy during all other hours of the summer period. Customers will be billed at the appropriate winter rate for their circumstances (see requirements in a through f above) during the winter period.

In order to qualify for the special Electric Space Heating provisions, the electric heating equipment must conform to specifications both as to installation and use which are acceptable to the Company. In addition, the Company reserves the right of inspection to determine if minimum insulation requirements as recommended by NEMA are met.

**3. GENERAL SERVICE**

Electric alternating current of 60 Hz is available as 120/208 or 120/240 volt single phase, three-wire, or 120/208, 120/240, or 277/480 volt, three phase, four-wire or such higher voltage as may be agreed upon for any purpose or use by any customer, except resale purposes. Also, not applicable to standby or supplementary service except under written agreement in conjunction with applicable riders for such service.

D



Each of the general service price schedules listed below as available to customers who have installed electric heating devices has qualification requirements. To qualify for these price schedules electric heat must: (1) be the preponderant source of space heating; (2) be in regular use for supplying the space heating requirements of the premise; and (3) be supplied from devices which conform to Company specifications as to both installation and use. Electric space heating price schedules are available only to customers where at least 50% of the electric load is located inside buildings that are electrically heated and where space heating is integral to the principal function of such buildings. General service is available under:

- a. Price Schedule GBN - General Service, Base - Energy Only Metering.

The general service, base - energy only service is available to all customers served at a secondary voltage level who have demands (rounded to the nearest kW) of 200 or less. C

- b. Price Schedule GEN - General Service, Electric Heat - Energy Only Metering.

The general service electric space heating service is available to customers served at a secondary voltage level who have installed electric space heating as their preponderant source of heating and who have demands (rounded to the nearest kW) of 200 or less. C

- c. Price Schedules GDN and ADN - General Service, Base - Demand Metered.

The general service, base - demand metered service is available to all customers who, in the opinion of the Company, utilize sufficient amounts of service to justify installation of demand metering.

- d. Price Schedule GHN - General Service, Electric Heat - Demand Metered.

The general service, electric heat - demand metered service is available to customers who have installed electric space heating as their preponderant source of heating and who, in the opinion of the Company, utilize sufficient amounts of service to justify installation of demand metering.

- e. Price Schedules GPN and ARN - General Service, Primary Metered.

The general service, primary metered service is available to customers who elect to receive primary voltage service, provided that such voltage service is available at the location.

- f. Price Schedule GUN - General Service Time-of-Use at Secondary Voltage.

The general service time-of-use at secondary voltage service is available to customers who elect to have time-of-use metering installed in accordance with the terms of this price schedule.

- g. Price Schedule GTN - General Service Time-of-Use at Primary Voltage.

The general service time-of-use at primary voltage service is available to customers who elect to have time-of-use metering installed in accordance with the terms of this price schedule. The customer must also elect to receive service at a primary voltage level, provided that such voltage service is available at the location.



h. Price Schedule GSN - General Service Separately Metered Electric Space Heating.

The general service separately metered electric space heating service is available to all customer classification, but only to customers already subscribing to the service as of October 20, 1994. Customers on the service must continue to meet Company specifications to remain on the service. The Company intends to discontinue this service with the filing of its next general rate filing.

i. Price Schedule GWN - General Service Separately Metered Electric Water Heating.

The general service separately metered electric water heating service is available to all customer classifications, but only to customers already subscribing to the service as of October 20, 1994. Customers on the service must continue to meet Company specifications to remain on the service. The Company intends to discontinue this service with the filing of its next general rate filing.

**4. LARGE GENERAL SERVICE**

Electric alternating current of 60 Hz is available as 120/208 or 120/240 volt single phase, three-wire, or 120/208, 120/240, or 277/480 volt three phase, four-wire, or such higher voltage as may be agreed upon for any purpose or use by any customer, but not for resale.

D

Service in this classification is also available for seasonal, standby, supplementary, and duplicate service only in accordance with the specific terms applicable to such service.

Large General service is available under:

a. Price Schedules LLN and ALN - Large General Service, Base - at Secondary Voltage.

The large general service, base service at secondary voltage is available to satisfy the customer's full requirements where demand metering is installed and where the customer has elected to receive secondary voltage service.

b. Price Schedules LPN and APN - Large General Service, Base - at Primary Voltage.

The large general service, base service at primary voltage is available to satisfy the customer's full requirements where the customer has elected to receive primary voltage service (provided that primary voltage service is available at the location) and where primary metering is installed.

c. Price Schedule LEN - Large General Service with Electric Space Heating at Secondary Voltage.

The large general service with electric space heating at secondary voltage service is available in combination with general service required on the premises by customer where electric space heating is permanently installed as the preponderant source of heat.



d. Price Schedule LHN - Large General Service with Electric Space Heating at Primary Voltage.

The large general service with electric space heating at primary voltage service is available in combination with general service required on the premises by customers where electric space heating is permanently installed as the preponderant source of heat and where the customer has elected to receive service at primary voltage, provided that such voltage service is available at the location.

e. Price Schedule LTN/LON - Large General Service, Time-of-Use at Secondary Voltage.

The large general service, time-of-use at secondary voltage service is available to satisfy the customer's full requirements where the customer has elected to receive secondary voltage service and where time-of-use metering has been installed.

f. Price Schedule LVN/LRN - Large General Service, Time-of-Use at Primary Voltage.

The large general service, time-of-use at primary voltage service is available to satisfy the customer's full requirements where the customer has elected to receive primary voltage service (provided that primary voltage service is available at the location) and where time-of-use metering has been installed.

g. Price Schedule LNP/LNO - Large General Service, Time-of-Use at Transmission Voltage.

The large general service time-of-use at transmission voltage is available to satisfy the customer's full requirements where the customer has elected to receive transmission voltage service (provided that such voltage service is available at the location) and where time-of-use metering has been installed.

h. Price Schedule LJD - Contract Power.

For specifications, see Sheet No. N-31 and the contract between the Company and John Deere on file with the Iowa Utilities Board.

T

i. Price Schedule CJD - Contract Power.

For specifications, see Sheet No N-32 and the contract between the Company and John Deere on file with the Iowa Utilities Board.

T

j. Price Schedule CTE - Contract Industrial power.

For specifications, see Sheet No N-33 and the appropriate contract on file with the Iowa Utilities Board.

T

k. Price Schedule CAP - Supplementary Power Contract Service.

For specifications, see Sheet No. N-34 and the appropriate contract on file with the Iowa Utilities Board.

T



- I. Service, separately metered, available for standby and supplementary service when the customer's electric load is supplied in part from an alternate source of energy which either (1) is completely isolated from the Company's electric system so that no electrical or mechanical tie can be made between the two or (2) is tied to the Company's electric system only if the alternate energy source is a qualifying cogeneration or small power production facility and meets the standards as specified in Rider No. 54 or is a qualifying alternate energy production or small hydro facility as specified in Price Schedule 24 of the Company's tariff. This service is available priced under price schedule as shown in the tariff.

## 5. LIGHTING SERVICES

Lighting of public streets, highways and other outdoor areas freely accessible to the public and by Company service vehicles, on a permanent and continuing basis is available to municipal, county, state and federal governments or agencies from Company owned, operated, and maintained; customer owned and Company operated and maintained; or customer owned and maintained and Company operated; lighting facilities.

Lighting for streets located outside incorporated communities (other than lighting provided to governmental organizations) and lighting for private areas is available to private parties from company owned, operated, and maintained; customer owned and company operated and maintained; and customer owned and maintained and company operated; lighting facilities.

Service under these rates generally considers maximum use of facilities otherwise existing for supplying electric service to other classes. To the extent costs are reasonably recoverable under the rates, Company will furnish service to locations requested by customer, but may substitute other locations providing reasonably effective lighting for the same area. Company will install lighting units on brackets 6 feet or shorter, except where customer directly assumes the additional cost of longer brackets.

## 6. OTHER SERVICE TO PUBLIC AUTHORITIES

Electric alternating current of 60 Hz is available as 120/208 or 120/240 volt single phase, three-wire, or 120/208, 120/240, or 277/480 three phase, four-wire, or such higher voltage as may be agreed upon for any purpose or use by any municipal, county, state or federal government or agencies under special contracts or agreements applicable only to public authorities.

D

Service in this classification is available for standby, supplementary, emergency, and temporary service, only in accordance with specific terms of an agreement for such service. It is not available for resale service.

In case of service which cannot be readily metered such as traffic lights and which service is reasonably constant, the monthly consumption may be estimated by the Company.

Municipal water and sewage pumping and treatment systems service are available under price schedule ABN, service to traffic control signals and traffic flashers under price schedule ATN. These and other services to public authorities are also available under applicable Small General Service and Large General Service Price Schedules, provided that the late payment charges may be waived by the Company in cases where the public authority legally mandated bill approval procedure is not effective within the 20 day payment period.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. N-3  
 Canceling 4<sup>th</sup> Revised Sheet No. N-3

**Class of Service** Residential, Base Use - Price Schedule RBN

**Available** In the Company's Iowa electric service area (North System only).

**Price** The monthly price schedule for electric base use is:

RBN Price Schedule	Summer per kWh	Winter Per kWh
Service Charge	\$8.50	\$8.50
First 1,000 kWh @	\$0.06852	\$0.06632
Additional kWh @	\$0.06852	\$0.05652

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.



**Residential, Base Use, RBN, continued**

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N

D

D

**Available**

The residential electric base use service is:

- Applicable to single family dwellings (including incidental farm electric usage supplied through the same meter).
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service.

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. N-4  
 Canceling 4<sup>th</sup> Revised Sheet No. N-4

**Class of Service** Residential, Electric Base Use with Electric Water Heating - Price Schedule RWN

**Available** In the Company's Iowa electric service area (North System only).

**Price** The monthly price schedule for base use with electric water heating is:

RWN Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 1,000 kWh @	\$0.06852	\$0.05482
Additional kWh @	\$0.06852	\$0.05652

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

T

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



---

**Residential, Base Use with Electric Water Heating, RWN, continued**

---

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

---

N  
N  
N  
  
D  
  
D

**Applicable**

The residential electric base use with electric water heating service is:

- Applicable to single family dwellings (including incidental farm usage supplied through the same meter) with an electric water heater.
  - Water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the residence.
  - Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
  - Not applicable to standby or supplementary service.
- 

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. N-5  
 Canceling 5<sup>th</sup> Revised Sheet No. N-5

**Class of Service** Residential, Electric Space Heating - Price Schedule RSN

**Available** In the Company's Iowa electric service area (North System only).

**Price** The monthly price schedule for electric space heating use is:

RSN Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 1,000 kWh @	\$0.06852	\$0.06632
Additional kWh @	\$0.06852	\$0.02552

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

T

**CNS Capital Additions Tracker**

- The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



**Residential, Electric Space Heating, RSN, continued**

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
 N  
 N  
 D  
 D

**Applicable**

The residential electric space heating service is:

- Applicable to single family dwellings (including incidental farm usage supplied through the same meter) with electric space heating.
- Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the residence, and be the preponderant source of heat for the residence.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service.

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

4<sup>th</sup> Revised Sheet No. N-6  
 Canceling 3<sup>rd</sup> Revised Sheet No. N-6

**Class of Service** Residential, All Electric - Price Schedule REN

**Available** In the Company's Iowa electric service area (North System only).

**Price** The monthly price schedule for all electric use is:

REN Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 1,000 kWh @	\$0.06852	\$0.05482
Additional kWh @	\$0.06852	\$0.02552

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**CNS Capital Additions Tracker I** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T

**Carbon Reduction Cost Recovery** The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

N  
N  
N  
N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. N-6.10  
Canceling 5<sup>th</sup> Revised Sheet No. N-6.10

---

**Residential, All Electric, REN, continued**

---

**AEP and Energy  
Efficiency Cost  
Recovery  
Adjustments**

The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N

D

D



---

**Residential, All Electric, REN, continued**

---

**Applicable**

The residential all electric service is:

- Applicable to single family dwellings (including incidental farm usage supplied through the same meter) with electric space and water heating.
- Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the residence, and be the preponderant source of heat for the residence.
- Water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the residence.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service.

---

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. N-7  
 Canceling 4<sup>th</sup> Revised Sheet No. N-7

**Class of Service** Residential, All Electric Apartment - Price Schedule RAN

**Available** In the Company's Iowa electric service area (North System only).

**Price** The monthly price schedule for an all electric apartment is:

RAN Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 600 kWh @	\$0.06852	\$0.05482
Additional kWh @	\$0.06852	\$0.02552

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

T

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



---

**Residential, All Electric Apartment, RAN, continued**

---

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N  
  
D  
  
D

---

**Applicable**

The residential all electric apartment service is:

- Applicable to residential consumers for domestic uses in individually metered apartments with electric space and water heating.
- Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the apartment, and be the preponderant source of heat for the apartment.
- Water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the residence.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service.

---

**Payment  
Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. N-8  
 Canceling 4<sup>th</sup> Revised Sheet No. N-8

**Class of Service** Residential, Apartment With Electric Space Heating - Price Schedule RHN

**Available** In the Company's Iowa electric service area (North System only)

**Price** The monthly price schedule for an apartment with electric space heating is:

RHN Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 600 kWh @	\$0.06852	\$0.06632
Additional kWh @	\$0.06852	\$0.02552

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

T  
T

**AEP and Energy Efficiency Cost Recovery Adjustments** The price charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

T

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



---

**Residential, Apartment With Electric Space Heating, RHN, continued**

---

**Carbon  
Reduction  
Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

---

N  
N  
N  
  
D  
  
D

**Applicable**

The residential apartment with electric space heating service is:

- Applicable to residential consumers for domestic uses in individually metered apartments with electric space heating.
  - Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the apartment, and be the preponderant source of heat for the apartment.
  - Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
  - Not applicable to standby or supplementary service.
- 

**Payment  
Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. N-9  
 Canceling 4<sup>th</sup> Revised Sheet No. N-9

**Class of Service** Residential, Time-of-Use - Price Schedule RTN

**Available** In the Company's Iowa electric service area (North System only) during the summer season.

**Price** The monthly price schedule for the electric time-of-use is:

D  
D  
D  
D

RTN Price Code	Service Charge	Summer Per kWh		Winter Refer to Price Schedule	Description
		On-Peak	Off-Peak		
TBN	\$ 16.00	\$0.18762	\$0.04962	RBN	Base
TWN	\$ 16.00	\$0.18762	\$0.04962	RWN	Base with Electric Water Heating
TSN	\$ 16.00	\$0.18762	\$0.04962	RSN	Electric Space Heating
TEN	\$ 16.00	\$0.18762	\$0.04962	REN	All Electric
TAN	\$ 16.00	\$0.18762	\$0.04962	RAN	All Electric Apartment
THN	\$ 16.00	\$0.18762	\$0.04962	RHN	Apartment with Electric Space Heating

T  
T  
T  
T  
T  
T  
T  
T  
T  
T  
T



---

**Residential, RTN, continued**

---

**Peak Periods** All time occurring after 12:00 p.m. (noon) but before 7:00 p.m. each weekday, Monday through Friday excluding specified holidays.

---

**Off Peak Periods** All time occurring before 12:00 p.m. (noon) and after 7:00 p.m. each weekday, Monday through Friday, and all day each Saturday, Sunday and specified holidays, during every monthly billing period of each year.

---

**Specified Holidays** Specified holidays are identified as:

- Memorial Day
- Independence Day
- Labor Day

---

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - May 16 through September 15
- Winter - September 16 through May 15

---

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

---

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

---

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



---

**Residential, RTN, continued**

---

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N

D

D

---

**Applicable**

The residential time-of-use service is:

- Applicable to all electric service required on premises by customers for single family residential purposes where permanent time-of-use metering is installed, at the option of the customer.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service.

---

**Payment  
Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid, in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

5th Revised Sheet No. N-10  
Canceling 4th Revised Sheet No. N-10

---

RESERVED FOR FUTURE USE.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

4th Revised Sheet No. N-10.10  
Canceling 3rd Revised Sheet No. N-10.10

---

RESERVED FOR FUTURE USE.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2nd Revised Sheet No. N-10.20  
Canceling 1st Revised Sheet No. N-10.20

---

RESERVED FOR FUTURE USE.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. N-11 & N-12

---

RESERVED FOR FUTURE USE.

---

Issued: November 9, 1995  
Issued by: Brent E. Gale  
Vice President-Law and Regulatory Affairs

Effective December 15, 1995



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. N-13  
 Canceling 4<sup>th</sup> Revised Sheet No. N-13

**Class of Service**            General Service, Base - Energy Only Metering - Price Schedule GBN

**Available**                In the Company's Iowa electric service area (North System only).

**Price**                        The monthly price schedule for base energy only metering is:

<b>GBN Price Schedule</b>	<b>Summer per kWh</b>	<b>Winter per kWh</b>
Service Charge	\$10.00	\$10.00
First 4,000 kWh @	\$0.07107	\$0.06657
Additional kWh @	\$0.05607	\$0.04807

**Seasonal Provision**        Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment**            Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

T  
T

**AEP and Energy Efficiency Cost Recovery Adjustments**        The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

D



**General Service, GBN, continued**

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
 N  
 N  
 D  
 D

**Applicable**

The general service base energy only metering service is:

- Applicable to all electric service required on premises.
- Not applicable to customers with demands greater than 200 kW.
- Subject to applicable terms and conditions of the Company's Electric Policies and Electric Rate Applications.
- Not applicable to standby or supplementary service, except where the customer is operating an alternate energy production facility or a qualifying cogeneration or small power production facility.

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. N-14  
 Canceling 4<sup>th</sup> Revised Sheet No. N-14

**Class of Service**            General Service, Electric Heat - Energy Only Metering - Price Schedule GEN

**Available**                In the Company's Iowa electric service area (North System only).

**Price**                      The monthly price schedule for electric heat - energy only metering is:

<b>GEN Price Schedule</b>	<b>Summer per kWh</b>	<b>Winter per kWh</b>
Service Charge	\$10.00	\$10.00
First 4,000 kWh @	\$0.07107	\$0.04687
Next 4,000 kWh @	\$0.05607	\$0.04687
Additional kWh @	\$0.05607	\$0.02707

**Seasonal Provision**        Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment**            Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments**        The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

D



**General Service, GEN, continued**

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N  
  
D  
  
D

**Applicable**

The general service electric heat - energy only metering service is:

- Applicable to customers with electric space heating.
- Not applicable to customers with demands greater than 200 kW.
- Electric space heating devices must conform to Company specifications and be the preponderant source of heat for the premises, and where at least 50 percent of the electric load of the premise is located inside of the building or buildings with electric space heating.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service, except where the customer is operating an alternate energy production facility or a qualifying cogeneration or small power production facility.

**Payment  
Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3rd Revised Sheet No. N-15  
 Canceling 2nd Revised Sheet No. N-15

**Class of Service**            General Service, Base - Demand Metered - Price Schedules GDN and ADN

**Available**                In the Company's Iowa electric service area (North System only).

**Price**                        The monthly price schedule for base demand metered use is:

<b>GDN Price Schedule</b>	<b>Summer per kWh</b>	<b>Winter per kWh</b>
Service Charge	\$80.00	\$80.00
First 250 hours x kW of demand @	\$0.05607	\$0.04807
Next 150 hours x kW of demand @	\$0.02907	\$0.02907
Additional kWh @	\$0.01957	\$0.01957

R  
R  
R

**Demand Charges**            Applicable only to customers, with demand meters installed by the Company, whose 15-minute period of greatest use during the month (to the nearest kW, as shown by or computed from the demand meter) is greater than 200 kW and whose kilowatt-hours of use per kW of demand is less than or equal to 249.

- Summer:    \$6.51 per kW, less a discount per kWh of 1.10 cents
- Winter:     \$4.75 per kW, less a discount per kWh of 0.60 cents



---

**General Service, GDN and ADN, continued**

---

**Seasonal Provision**

Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

---

**Reactive Demand Charges**

The reactive demand charge is \$0.50 per kVAR of reactive demand in excess of 50 percent of demand, but only when the demand equals or exceeds 200 kW.

---

**Minimum Bill**

The minimum bill is applicable only to customers with demand meters installed by the Company whose 15-minute period of greatest use during any month of the summer (to the nearest kW, as shown by or computed from the demand meter) in the preceding 12 months was greater than 200 kW and whose kilowatt-hours of use per kW of demand in the current billing month is less than or equal to 249. The minimum bill shall be: the service charge, plus the highest summer demand during the last 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N

---

**Demand**

The kW as shown by or computed from the readings of the Company's demand meter, determined to the nearest kW, but not less than 40 kW.

---

**Reactive Demand**

The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kVAR.

---



---

**General Service, GDN and ADN, continued**

---

**Tax  
Adjustment**

Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

---

**AEP and  
Energy  
Efficiency  
Cost  
Recovery  
Adjustments**

The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

---

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

---

N  
N  
N  
  
D  
  
D





MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3rd Revised Sheet No. N-16  
 Canceling 2nd Revised Sheet No. N-16

**Class of Service** General Service, Base - Primary Metered - Price Schedules GPN and ARN

**Available** In the Company's Iowa electric service area (North System only).

**Price** The monthly price schedule for base primary metered is:

GPN Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$200.00	\$200.00
First 250 hours x kW of demand @	\$0.05517	\$0.04727
Next 150 hours x kW of demand @	\$0.02867	\$0.02867
Additional kWh @	\$0.01937	\$0.01937

R  
R  
R

**Demand Charges** Applicable only to customers, with demand meters installed by the Company, whose 15-minute period of greatest use during the month (to the nearest kW, as shown by or computed from the demand meter) is greater than 200 kW and whose kilowatt-hours of use per kW of demand is less than or equal to 249.

- Summer: \$6.36 per kW, less a discount per kWh of 1.07 cents
- Winter: \$4.64 per kW, less a discount per kWh of 0.58 cents



---

**General Service, GPN and ARN, continued**

---

**Seasonal Provision**

Summer and winter periods are defined as:

- Summer - June through September Billing Periods
  - Winter - October through May Billing Periods
- 

**Reactive Demand Charge**

The reactive demand charge is \$0.50 per kVAR of reactive demand in excess of 50 percent of demand, but only when the demand equals or exceeds 200 kW.

---

**Transformer Ownership Credit**

Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of billing demand.

---

**Minimum Bill**

The minimum bill is applicable only to customers with demand meters installed by the Company whose 15-minute period of greatest use during any month of the summer (to the nearest kW, as shown by or computed from the demand meter) in the preceding 12 months was greater than 200 kW and whose kilowatt-hours of use per kW of demand in the current billing month is less than or equal to 249. The minimum bill shall be: the service charge, plus the highest summer demand during the last 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

---

**Demand**

The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 40 kW.

---

D/N  
N



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. N-16.20  
 Canceling 5<sup>th</sup> Revised Sheet No. N-16.20

**General Service, GPN and ARN, continued**

**Reactive Demand**      The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kVAR.

**Tax Adjustment**      Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments**      The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

**Carbon Reduction Cost Recovery**      The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**      The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
 N  
 N  
 D  
 D





MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3rd Revised Sheet No. N-17  
 Canceling 2<sup>nd</sup> Revised Sheet No. N-17

**Class of Service** General Service, Electric Heat - Demand Metered - Price Schedule GHN

**Available** In the Company's Iowa electric service area (North System only).

**Price** The monthly price schedule for electric heat - demand metered is:

GHN Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$80.00	\$80.00
First 250 hours x kW of demand @	\$0.05607	\$0.03707
Next 150 hours x kW of demand @	\$0.02907	\$0.02307
Additional kWh @	\$0.01957	\$0.01957

R  
R  
R

**Demand Charges** Applicable only to customers, with demand meters installed by the Company, whose 15-minute period of greatest use during the month (to the nearest kW, as shown by or computed from the demand meter) is greater than 200 kW and whose kilowatt-hours of use per kW of demand is less than or equal to 249.

- Summer: \$6.51 per kW, less a discount per kWh of 1.10 cents
- Winter: \$3.50 per kW, less a discount per kWh of 0.20 cents

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Reactive Demand Charge** The reactive demand charge is \$0.50 per kVAR of reactive demand in excess of 50 percent of demand, but only when the demand equals or Exceeds 200 kW.



---

**General Service, GHN, continued**

---

**Minimum Bill**

The minimum bill is applicable only to customers with demand meters installed by the Company whose 15-minute period of greatest use during any month of the summer (to the nearest kW as shown by or computed from the demand meter) in the preceding 12 months was greater than 200 kW and whose kilowatt-hours of use per kW of demand in the current billing month is less than or equal to 249. The minimum bill shall be: the service charge, plus the highest summer demand during the last 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N

---

**Demand**

The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 40 kW.

---

**Reactive Demand**

The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kVAR.

---



---

**General Service, GHN, continued**

---

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Tax  
Adjustment**

Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

---

**AEP and  
Energy  
Efficiency  
Cost  
Recovery  
Adjustments**

The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N  
  
D  
  
D





MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. N-18

---

**CLASS OF SERVICE:** General Service, Time-of-Use at Secondary Voltage  
Price Schedule GUN

**PRICE CODE:**

- GEP - General Use, peak periods
- GEO - General Use, off-peak periods
- CEP - Cogeneration, peak periods
- CEO - Cogeneration, off-peak periods

**AVAILABLE:** Applicable in all of the Company's service territory (North System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Electric Policies and Electric Rate Application. Customer must agree to pay \$75 of metering related costs at the time service is elected under this price schedule where such facilities are not already in place, or where such amount is refunded to a prior customer at the same location as provided herein. The \$75 will be refundable to a customer who pays that amount and who then moves and discontinues service within one year from the date of meter installation. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company's Electric Policies and Electric Rate Application.

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW.

**REACTIVE DEMAND:** The kilovar as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. N-18.10  
 Canceling 6<sup>th</sup> Revised Sheet No. N-18.10

**General Service, GUN, continued**

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$14.50	\$14.50
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand, but only when demand equals or exceeds 200 kW	\$0.50/kVAR	\$0.50/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for the first 2,000 kWh per kWh for all additional kWh  Off-Peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.15067/kWh \$0.15067/kWh  \$0.04217/kWh	\$0.06287/kWh \$0.06287/kWh  \$0.05427/kWh
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

N  
N  
N  
N  
D  
D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. N-18.20  
Canceling Original Sheet No. N-18.20

---

**General Service, GUN, continued**

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.

**TIME-OF-USE PERIODS:**

Peak Periods: All time occurring after 12:00 p.m. (noon) but before 7:00 p.m. each weekday, Monday through Friday, excluding specified holidays.

Off-Peak Periods: All hours not designated as on-peak hours.

Specified Holidays:

- New Year's Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving Day
- Christmas Day

L  
|  
|  
|  
|  
|  
|  
L



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. N-19

---

**CLASS OF SERVICE:** General Service, Time-of-Use at Primary Voltage  
Price Schedule GTN

**PRICE CODE:**

- GRP - General Use, peak periods
- GRO - General Use, off-peak periods
- CRP - Cogeneration, peak periods
- CRO - Cogeneration, off-peak periods

**AVAILABLE:** Applicable in all of the Company's service territory (North System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Electric Policies and Electric Rate Application. Customer must agree to pay \$75 of metering related costs at the time service is elected under this price schedule where such facilities are not already in place, or where such amount is refunded to a prior customer at the same location as provided herein. The \$75 will be refundable to a customer who pays that amount and who then moves and discontinues service within one year from the date of meter installation. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at primary voltages offered by the Company, as further described in the Company's Electric Policies and Electric Rate Application.

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar . The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. N-19.10  
 Canceling 6<sup>th</sup> Revised Sheet No. N-19.10

**General Service, GTN, continued**

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$200.00	\$200.00
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand, but only when demand equals or exceeds 200 kW	\$0.49/kVAR	\$0.49/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for the first 2,000 kWh per kWh for all additional kWh  Off-Peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.14787/kWh \$0.14787/kWh  \$0.04147/kWh	\$0.06177/kWh \$0.06177/kWh  \$0.05337/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause		
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

N  
N  
N  
N  
D  
D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. N-19.20  
Canceling 1<sup>st</sup> Revised Sheet No. N-19.20

---

**General Service, GTN, continued**

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**TRANSFORMER OWNERSHIP CREDIT:** Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of demand.

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.

**TIME-OF-USE PERIODS:**

Peak Periods: All time occurring after 12:00 p.m. (noon), but before 7:00 p.m. each weekday, Monday through Friday, excluding specified holidays.

Off-Peak Periods: All hours not designated as on-peak hours.

Specified Holidays:

- New Year's Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving Day
- Christmas Day

L  
|  
|  
|  
|  
|  
|  
L



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. N-20  
 Canceling 4<sup>th</sup> Revised Sheet No. N-20

**Class of Service**            General Service, Separately Metered Electric Space Heating Price Schedule GSN

**Available**                In the Company's Iowa electric service area (North System only).

**Price**                      The monthly price schedule for separately metered electric space heating is:

<b>GSN Price Schedule</b>	<b>Summer per kWh</b>	<b>Winter per kWh</b>
Service Charge	\$8.50	\$8.50
All kWh @	\$0.07007	\$0.02707

**Seasonal Provision**        Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment**            Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments**        The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

D



---

**General Service, GSN, continued**

---

**Carbon  
Reduction  
Cost Recover**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

---

N  
N  
N  
  
D  
  
D

**Applicable**

The small general service separately metered electric space heating service is:

- Applicable to all customer classes with electric space heating supplied at nominal 240 volts through one separate meter at a single point of delivery to a solidly connected, permanently installed, load controlled electric heating installation.
  - Heat pump, and any other electric space heating devices must conform to Company specifications and be the customer's principal source of heating and in regular use.
  - Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
  - Not applicable to standby or supplementary service.
-





MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

5<sup>th</sup> Revised Sheet No. N-21  
 Canceling 4<sup>th</sup> Revised Sheet No. N-21

**Class of Service** General Service, Separately Metered Electric Water Heating  
 Price Schedule GWN

**Available** In the Company's Iowa electric service area (North System only).

**Price** The monthly price schedule for separately metered electric water heating is:

<b>GWN Price Schedule</b>	<b>Summer per kWh</b>	<b>Winter per kWh</b>
Service Charge	\$8.50	\$8.50
All kWh @	\$0.07007	\$0.03907

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

4<sup>th</sup> Revised Sheet No. N-21.10  
Canceling 3<sup>rd</sup> Revised Sheet No. N-21.10

---

**General Service, GWN, continued**

---

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

---

N  
N  
N  
D  
D



---

**General Service, GWN, continued**

---

**Applicable** The general service separately metered electric water heating service is:

- Applicable to 240 volt single-phase electric water heating service only. Energy for other purposes shall be metered through a separate meter.
  - Water heater must conform to Company specifications.
  - Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
  - Not applicable to standby or supplementary service.
- 

**Specifications** Each element of a two-unit heater shall be controlled by a thermostat with the thermostats so interlocked that both elements cannot operate simultaneously, excepting where both elements combined do not exceed a 5500 watt rating limit for a single element heater.

---

**Restrictions** The general service separately metered electric water heating service is restricted to existing participants. The Company intends to discontinue this service with the filing of its next general rate case.

---

**Payment Terms** Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. N-23  
 Canceling 6<sup>th</sup> Revised Sheet No. N-23

**CLASS OF SERVICE: Large General Service, Base Use at Secondary Voltage  
 Price Schedules LLN and ALN**

**AVAILABLE:** Applicable in all of the Company's service territory (North System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company's Electric Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$125.00	\$125.00
<b>Demand Charge</b> times kW of measured demand for customers with demand meters, but not less than 200 kW	\$3.76/kW	\$3.25/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.50/kVAR	\$0.50/kVAR
<b>Energy Charge:</b> First 250 hours x kW of demand Next 150 hours x kW of demand Over 400 hours x kW of demand	\$0.03707/kWh \$0.02607/kWh \$0.01857/kWh	\$0.03207/kWh \$0.02607/kWh \$0.01857/kWh
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
 N  
 N  
 N  
 D



**Large General Service, LLN and ALN, continued**

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge, plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. N-24  
 Canceling 6<sup>th</sup> Revised Sheet No. N-24

**CLASS OF SERVICE: Large General Service, Base Use at Primary Voltage  
 Price Schedules LPN and APN**

**AVAILABLE:** Applicable in all of the Company's service territory (North System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at primary voltages offered by the Company, as further described in the Company's Electric Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$200.00	\$200.00
<b>Demand Charge</b> times kW of measured demand for customers with primary metering, but not less than 200 kW	\$3.68/kW	\$3.19/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.49/kVAR	\$0.49/kVAR
<b>Energy Charge:</b> First 250 hours x kW of demand Next 150 hours x kW of demand Over 400 hours x kW of demand	\$0.03647/kWh \$0.02577/kWh \$0.01837/kWh	\$0.03157/kWh \$0.02577/kWh \$0.01837/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
 N  
 N  
 N  
 D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. N-24.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. N-24.10

**Large General Service, LPN and APN, continued**

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customers' greatest use during the month, determined to the nearest kW, but not less than 200 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**TRANSFORMER OWNERSHIP CREDIT:** Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of billing demand.

**MINIMUM BILL:** The service charge, plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. N-25  
 Canceling 7<sup>th</sup> Revised Sheet No. N-25

**CLASS OF SERVICE: Large General Service with Electric Space Heating at Secondary Voltage - Price Schedule LEN**

**AVAILABLE:** Applicable in all of the Company's service territory (North System only).

**APPLICABLE:** At the option of the customer, in combination with general electric service required on premises by customer, electric space heating which is permanently installed as the preponderant source of heat; subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company's Electric Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$125.00	\$125.00
<b>Demand Charge</b> times kW of measured demand for customers with demand meters, but not less than 200 kW	\$3.76/kW	\$3.00/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.50/kVAR	\$0.50/kVAR
<b>Energy Charge:</b> First 250 hours x kW of demand Next 150 hours x kW of demand Over 400 hours x kW of demand	\$0.03707/kWh \$0.02607/kWh \$0.01857/kWh	\$0.02407/kWh \$0.02207/kWh \$0.01857/kWh
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
 N  
 N  
 N  
 D



**Large General Service, LEN, continued**

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**CAPACITY LIMIT:** The amount of installed heating capacity shall be determined in accordance with current recognized standard practices in the industry. The actual installed capacity (in excess of 1,500 watts) shall not exceed by more than 15% the amount of capacity so determined.

**MINIMUM BILL:** The service charge, plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. N-26  
 Canceling 7<sup>th</sup> Revised Sheet No. N-26

**CLASS OF SERVICE: Large General Service with Electric Space Heating at Primary Voltage Price Schedule LHN**

**AVAILABLE:** Applicable in all of the Company's service territory (North System only).

**APPLICABLE:** At the option of the customer, in combination with general electric service required on premises by customer, electric space heating which is permanently installed as the preponderant source of heat; subject to applicable terms and conditions of the Company's Electric Service Policies. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at primary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$200.00	\$200.00
<b>Demand Charge</b> times kW of measured demand for customers with primary metering, but not less than 200 kW	\$3.68/kW	\$2.94/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.49/kVAR	\$0.49/kVAR
<b>Energy Charge:</b> First 250 hours x kW of demand Next 150 hours x kW of demand Over 400 hours x kW of demand	\$0.03647/kWh \$0.02577/kWh \$0.01837/kWh	\$0.02377/kWh \$0.02177/kWh \$0.01837/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
N  
N  
N  
D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. N-26.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. N-26.10

**Large General Service, LHN, continued**

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**CAPACITY LIMIT:** The amount of installed heating capacity shall be determined in accordance with current recognized standard practices in the industry. The actual installed capacity (in excess of 1,500 watts) shall not exceed by more than 15% the amount of capacity so determined.

**TRANSFORMER OWNERSHIP CREDIT:** Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of billing demand.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. N-26.20  
Canceling Original Sheet No. N-26.20

---

**Large General Service, LHN, continued**

**MINIMUM BILL:** The service charge, plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. N-27

---

RESERVED FOR FUTURE USE.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. N-28  
 Canceling 7<sup>th</sup> Revised Sheet No. N-28

**CLASS OF SERVICE: Large General Service, Time-of-Use at Secondary Voltage Price Schedule LTN/LON**

**AVAILABLE:** Applicable in all of the Company's service territory (North System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company's Electric Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$125.00	\$125.00
<b>Demand Charge</b> shall be the greater of the peak demand charge or the off-peak demand charge. Peak Demand Charge: per kW for the first 600 kW of peak demand per kW for the next 10,400 kW of peak demand per kW for all additional kW of peak demand Off-Peak Demand Charge: per kW for all off-peak demand	\$13.70/kW \$11.44/kW \$10.15/kW \$5.72/kW	\$11.93/kW \$9.68/kW \$8.59/kW \$5.72/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.50/kVAR	\$0.50/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for all kWh delivered in peak hours Off-Peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.02177/kWh \$0.01687/kWh	\$0.02177/kWh \$0.01687/kWh
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
N  
N  
N  
D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. N-28.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. N-28.10

**Large General Service, LTN/LON** , continued

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW. The peak and off-peak period demands shall be the kW, similarly determined, for each time-of-use period.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge, plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and late a payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. N-28.20

---

**Large General Service, LTN/LON, continued**

**TIME-OF-USE PERIODS:**

Peak Periods: All time occurring after 9:00 a.m. but before 10:00 p.m. each weekday, Monday through Friday, excluding specified holidays.

Off-Peak Periods: All hours not designated as on-peak hours.

Specified Holidays:

New Year's Day  
Memorial Day  
Independence Day  
Labor Day  
Thanksgiving Day  
Christmas Day



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. N-29  
 Canceling 7<sup>th</sup> Revised Sheet No. N-29

**CLASS OF SERVICE: Large General Service, Time-of-Use at Primary Voltage  
 Price Schedule LVN/LRN**

**AVAILABLE:** Applicable in all of the Company's service territory (North System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at primary voltages offered by the Company, as further described in the Company's Electric Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$200.00	\$200.00
<b>Demand Charge</b> shall be the greater of the peak demand charge or the off-peak demand charge. Peak Demand Charge: per kW for the first 600 kW of peak demand per kW for the next 10,400 kW of peak demand per kW for all additional kW of peak demand Off-Peak Demand Charge: per kW for all off-peak demand	\$13.43/kW \$11.21/kW \$9.95/kW \$5.61/kW	\$11.69/kW \$9.49/kW \$8.42/kW \$5.61/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.49/kVAR	\$0.49/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for all kWh delivered in peak hours  Off-Peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.02147/kWh \$0.01667/kWh	\$0.02147/kWh \$0.01667/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
N  
N  
N  
D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. N-29.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. N-29.10

**Large General Service, LVN/LRN** , continued

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW. The peak and off-peak period demands shall be the kW, similarly determined, for each time-of-use period.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge, plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N





MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. N-30  
 Canceling 7<sup>th</sup> Revised Sheet No. N-30

**CLASS OF SERVICE: Large General Service, Time-of-Use at Transmission Voltage  
 Price Schedule LNP/LNO**

**AVAILABLE:** Applicable in all of the Company's service territory (North System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at transmission voltages offered by the Company, as further described in the Company's Electric Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$1,200.00	\$1,200.00
<b>Demand Charge</b> shall be the greater of the peak demand charge or the off-peak demand charge. Peak Demand Charge: per kW for the first 600 kW of peak demand per kW for the next 10,400 kW of peak demand per kW for all additional kW of peak demand  Off-Peak Demand Charge: per kW for all off-peak demand	\$13.15/kW \$10.98/kW \$9.74kW	\$11.45/kW \$9.29/kW \$8.25/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.48/kVAR	\$0.48/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for all kWh delivered in peak hours  Off-Peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.02127/kWh \$0.01657/kWh	\$0.02127/kWh \$0.01657/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
N  
N  
D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. N-30.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. N-30.10

**Large General Service, LNP/LNO** , continued

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW. The peak and off-peak period demands shall be the kW, similarly determined, for each time-of-use period.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge, plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N





MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. N-31  
 Canceling 7<sup>th</sup> Revised Sheet No. N-31

**CLASS OF SERVICE: Contract Power - Price Schedule LJD - (John Deere Waterloo Works)**

**Application**

Facilities to be provided by Company: Necessary facilities to supply adequate service by the Company will be separately contracted by the two parties.

Facilities to be provided by Deere: All necessary distribution circuits so as to take said electric power and energy at the point of delivery (secondary terminals of the Company-owned transformers located in the Component and Foundry Substations). Deere's electric generating facilities may be operated in parallel with the Company's system.

Power and energy supply: 60 cycle, three-phase, 13.8 kV.

**Firm Power and Energy**

A block of energy which Deere purchases from the Company, and which is not supplied as emergency or maintenance energy. Prior to November 1 of each year, Deere will furnish the Company their best available projections for energy needs in the coming fiscal year. Major changes in the projected volumes should be reviewed with the Company.

**Monthly Price Schedule**

Service Charge:	\$63,545	
Demand Price:	\$5.00 per month per kW of billing demand.	
Energy Price:	First 100 hours use of billing demand	@ \$0.04717 per kWh.
	Excess hours of use	@ \$0.02007 per kWh.

**Clauses**

Subject to the Tax Adjustment; see Sheet No. C-2.

Subject to the AEP, energy efficiency cost recovery, carbon reduction cost recovery, and revenue adjustment clause, see Sheet Nos. C-1, C-3, B-5.10, and C-9.

D/N  
 N/D/N

**Emergency Energy**

Emergency energy is that power and energy required by Deere to meet a temporary need due to an emergency breakdown of its generating facilities. Company shall supply emergency energy subject to the availability of such power and energy and further subject to the condition that such supply will not result in impairment of or serious jeopardy to service in the Company's system. Deere agrees to notify the Company by telephone as soon as possible when emergency conditions exist and also upon restoration to normal service operations and to confirm notices in writing within 48 hours.

Price - \$0.05037 per kWh

Quantity used shall be determined by multiplying the demand for emergency energy by the total elapsed time such energy is used.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3rd Revised Sheet No. N-31.10  
Canceling 2nd Revised Sheet No. N-31.10

---

**CLASS OF SERVICE: Contract Power - Price Schedule LJD - (John Deere Waterloo Works), continued**

**Maintenance Energy**

Maintenance power and energy is that power and energy requested by Deere to meet a temporary need due to prearranged maintenance of its generating facilities. Maintenance power and energy shall be available for periods no longer than 30 consecutive days. If Deere desires maintenance power and energy, it shall request amount required, probable load factor, period required, estimate of hourly amounts. The quantity once agreed upon shall not be subject to adjustment during said period, except by mutual agreement.

Price - \$0.24480 per kW per day  
\$0.02797 per kWh

R

**Actual Demand**

Determined from the readings of suitable measuring instruments and shall be the highest average load in kW occurring during any 15 consecutive minutes of the month.

**Billing Demand**

Determined from the readings of suitable measuring instruments and shall be the highest average load in kW occurring during any 15 consecutive minutes of that month or the eleven preceding months, or the demand agreed to for that period, whichever is the higher.

**Power Factor Adjustment**

If the power factor during the billing month is less than 90% lagging, the demand shall be increased by one percent (1%) for each one percent (1%), or fraction thereof, that the power factor is found to be less than 90%. The power factor may be determined as the average power factor for the month or may be taken as the power factor at the time of the maximum 15 minute load during the month, as the Company may elect from time-to-time.

The average power factor for the month shall be determined by computation from the registrations of a watthour meter and a varhour meter, by dividing the registration of the watthour meter by the square root of the sum of the squares of the registrations of the watthour meter and the varhour meter. The varhour meter shall be ratcheted so that only lagging varhours will be registered.

**Billing**

Bills for all power and energy delivered to either party shall be submitted to the other party by the 10th of the month for deliveries made the previous month and paid within 10 days.

**Service Regulation**

The Company's Service Electric Policies shall apply.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

10<sup>th</sup> Revised Sheet No. N-32  
 Canceling 9<sup>th</sup> Revised Sheet No. N-32

**CLASS OF SERVICE: Contract T-O-U Price Schedule CJD - (Deere and Company)**

**Application**

To Deere & Company for its Waterloo Works Westfield Site and Foundry in Waterloo, Iowa, and to customers directly competing with Deere which have the same load characteristics and have an ability to cogenerate.

Facilities, terms, and conditions of sale are as provided in the service agreement. Power and energy supply: 60 cycle, 3 phase, 13.8 kV.

**Monthly Price Schedule**

Service Charge:	\$63,545		
		<u>Summer</u>	<u>Winter</u>
Demand Price Per kW:			
On-Peak Period		\$9.41	\$4.29
Shoulder Peak Period		\$3.21	\$1.07
Energy Price Per kWh:			
On-Peak		\$0.02307	\$0.01777
Shoulder Peak Period		\$0.01777	\$0.01557
Off-Peak		\$0.01347	\$0.01347

Summer price is applicable during four monthly billing periods of June through September. Winter price is applicable for all other months.

On-Peak hours in summer are 1201 to 1800, Monday through Friday.

Shoulder peak hours in summer are 0901 through 1200 and 1801 through 2100, Monday through Friday.

On-Peak hours in winter are 1201 to 1800, Monday through Friday.

Shoulder peak hours in winter are 0901 through 1200 and 1801 through 2100, Monday through Friday.

All Saturdays and Sundays, and all other hours are off-peak hours.

Subject to the tax adjustment; see Sheet No. C-2.

Subject to the AEP, energy efficiency cost recovery, carbon reduction cost recovery, and revenue adjustment clause; see Sheet Nos. C-1, C-3, B-5.10, and C-9.

D/N  
 N/D/N

**Demand Curtailment by Deere and Purchase by Company of Energy Supplied by Deere**

As per service agreement.

**Length of Agreement**

As per service agreement.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. N-33  
Canceling 6<sup>th</sup> Revised Sheet No. N-33

---

**CLASS OF SERVICE: Industrial Power - Price Schedule CTE - (Contract Industrial Power)**

**Application**

The prices and terms and conditions of service contained herein are available to high load factor industrial consumers taking electric service at a single point of delivery, for loads of not less than 5000 kW demand with a load factor of not less than 80%.

**Service**

Alternating current, 60Hz, three-phase at approximately 4,160 volts.

Point of delivery at the secondary terminals in the Company's substation located in Section 24, Township 87 N., Range 48 W., Woodbury County, Iowa, Neal Station Industrial Site.

**Monthly Price Schedule**

Demand Price: \$4.26 per month per kW of maximum demand during the current month, and the 11 immediately preceding months, plus

Energy Price: All kilowatt-hours @ \$0.01857 per kWh

**Monthly Minimum**

The monthly minimum price will be an amount equal to the demand price, plus the energy price applied to all kilowatt-hours used during the billing month.

**Bill Payment Provision**

The price is net. A late payment charge of 1.5% per month shall be added to the past-due amount if the bill is not paid by the due date.

**Clauses**

Subject to the tax adjustment; see Sheet No. C-2.

Subject to the AEP, energy efficiency cost recovery, carbon reduction cost recovery, and revenue adjustment clause; see Sheet Nos. C-1, C-3, B-5.10, and C-9.

D/N/D/N  
N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. N-33.10

---

**CLASS OF SERVICE: Industrial Power - Price Schedule CTE - Contract Industrial Power (con't)**

**Determination of Demand**

The demand shall be determined from the readings of suitable measuring instruments. The demand shall be taken at the maximum load in kW occurring during any 30 consecutive minutes of the current month and the 11 immediately preceding months.

**Power Factor Clause**

If the power factor during the billing months is less than 90% lagging, the kW demand for billing purposes shall be determined by multiplying the actual kW demand by 90% and dividing the product thereby obtained by the power factor.

The power factor may be determined as the average power factor for the month or may be taken as the power factor during the period of any 30 minute demand during the month, as the Company may elect from time-to-time.

The average power factor during the billing month shall be determined by computation from the registrations of a watthour meter and a varhour meter by dividing the registration of the watthour meter by the square root of the sum of the squares of the registrations of the watthour meter and the varhour meter. The varhour meter shall be ratcheted so that only lagging varhours will be registered.

**Incidental Lighting**

The electrical energy purchased under this rate may be used for lighting purposes, providing that it is used for incidental lighting in connection with power service and is taken at the power voltage.

Voltage regulators to regulate the service voltage, or transformers for changing the voltage to that desired for lighting, shall be furnished and maintained by the consumer.

**Service Regulations**

The Company's Service Electric Policies shall apply.



---

**CLASS OF SERVICE:            Supplementary Power Contract Service - Price Schedule  
CAP (Contract Power)**

**Application**

To any commercial and industrial customer and to any public authority whose total load requirement is 10 MW or less and who:

1. Owns and/or operates cogeneration and/or small power production facilities in excess of 100 kW capability which meet the requirements of qualifying facilities pursuant to Title 18 of the Code of Federal Regulations, Part 292, Subpart B; and
2. Executes a contract for service hereunder with the Company for a term of not less than five years. The customer may extend the term of the contract for an additional term of five years, upon giving written notice to the Company during the fourth year of the contract, or any extension thereof.

**Emergency Power and Energy**

Emergency power and energy is that power and energy required by customer to meet a temporary need due to an emergency breakdown of its generating facilities. Company shall supply emergency energy subject to the availability of such power and energy and further subject to the condition that such supply will not result in impairment of or serious jeopardy to service in the Company's system. Customer agrees to notify the Company by telephone as soon as possible when emergency conditions exist and also upon restoration to normal service operations and to confirm notices in writing within 48 hours. Emergency power and energy is not available during periods when the Company has requested customer limit service to its firm contract demand level unless customer has notified Company of the emergency situation two hours prior to the Company's request for customer to limit service to the firm contract level.

Quantity used shall be determined by multiplying the contract demand (as set forth in customer's contract) for emergency energy by the total elapsed time such energy is used.

**Maintenance Power and Energy**

Maintenance power and energy is that power and energy requested by customer to meet a temporary need due to prearranged or scheduled maintenance of its generating facilities. Maintenance power and energy shall be available for consecutive days only and for periods not longer than 45 consecutive days and shall not be scheduled except by mutual agreement between customer and the Company. If customer desires maintenance power and energy, it shall request the amount required, probable load factor, period required, and an estimate of hourly amounts. The quantity once agreed upon shall not be subject to adjustment during said period, except by mutual agreement.

**Firm and Interruptible Power and Energy**

Firm power is that block of firm contract demand as specified in the contract. Demand in excess of firm contract demand is considered interruptible. Energy accompanying both firm and interruptible demands and excluding emergency and maintenance energy will be billed at either the on-peak or off-peak rate.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. N-34.10

---

**CLASS OF SERVICE: Supplementary Power Contract Service - Price Schedule  
CAP (con't)**

**Definition of Peak Periods**

The on-peak period is defined as those hours between 7:00 a.m. and 11:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. The off-peak period is defined as all other hours. Definition of on-peak and off-peak period is subject to change with change in Company's system operating characteristics.

**Penalty for Failure to Curtail**

The Company in its sole discretion may curtail service hereunder to contract demand upon 15 minutes' notice to the customer. In the event customer fails to limit service to its firm contract demand level upon 15 minutes' notice from the Company, customer shall pay in addition to all other charges hereunder a penalty of \$30 per kW. Such penalty shall be applied during each period the Company has requested customer to limit its load to firm contract demands and shall be computed by multiplying \$30 times the excess of the 15-minute demand as measured by the Company's meter less the amount of the firm contract demand, less any maintenance and/or emergency power supplied by the Company during the 15-minute period.

Notwithstanding the previous paragraph, the Company reserves the right to assure itself that any agreed-upon interruptible load can be readily interrupted or curtailed upon 15 minutes' notice. In the event customer fails to limit service, upon proper notice, Company reserves the unilateral right to terminate service to customer. The Company shall have no liability to the customer or any other person, firm, or corporation for any loss, damage, or injury by reason of any interruption or curtailment as provided herein.

**Service Regulations**

The Company's Service Electric Policies shall apply.

**Special Conditions**

The customer shall furnish, if requested, suitable space on his premises for Company's transforming and switching equipment. The customer shall also provide access to such equipment by Company personnel.

The Company shall not be required to supply electric service to the customer for purposes which, due to their fluctuation in load, may cause impairment to the general services of the Company.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. N-34.20  
Canceling 6<sup>th</sup> Revised Sheet No. N-34.20

---

**CLASS OF SERVICE: Supplementary Power Contract Service - Price Schedule CAP  
(con't)**

**Monthly Price Schedule**

Facilities Charge: As set forth in customer's contract  
Demand Price: \$5.30 per month per kW of firm contract demand.  
  
Energy Price: On-Peak Rate \$0.03077 per kWh  
Off-Peak Rate \$0.01647 per kWh

**Emergency Energy**

The price shall be \$0.06487 per kWh or the incremental energy cost plus 10%, for the period of use, whichever is greater.

**Maintenance Power and Energy**

Price: \$0.23490 per kW per day  
\$0.04307 per kWh

**Power Factor Adjustment**

A charge of \$1.50 shall be made for each kVAR by which the customer's reactive demand at the time of the customer's maximum demand in kVARs is greater than 32 percent of the customer's maximum kW demand (as measured by Company's metering equipment) in that billing period.

**Bill Payment Provision**

The price is net. A late payment charge of 1.5% per month shall be added to the past-due amount if the bill is not paid by the due date.

**Clauses**

Subject to the tax adjustment; see Sheet No. C-2.  
Subject to the AEP, energy efficiency cost recovery, carbon reduction cost recovery adjustments, and revenue adjustment clause; see Sheet Nos. C-1, C-3, B-5.10, and C-9. D/N/D  
N

**Purchases of Capacity and Energy By Company**

As set forth in customer's contract and subject to the waiver granted by the IUB in Docket No. WRU-92-38-154, issued June 29, 1992.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet Nos. N-35 thur N-37

---

RESERVED FOR FUTURE USE.

---

Issued: November 9, 1995  
Issued by: Brent E. Gale  
Vice President-Law and Regulatory Affairs

Effective December 15, 1995



---

**CLASS OF SERVICE:** Lighting Services  
Street-Area-Security-Customer Owned

**AVAILABLE:** To all electric customers located in the North System.

**SERVICES PROVIDED:**

A) Energy Only Service - Customer Owned Systems

Customer owned systems must be complete with standards, luminaries with glassware, lamps, and photo controls, together with all necessary cable extending between standards and to points of connection to Company's facilities as designated by the Company. The electrical connection at the point of delivery shall be made by the Company. Customer owned systems must meet all appropriate electric codes.

The Company will furnish all electrical energy necessary to operate the lighting system(s). Unmetered systems will be controlled by photoelectric cells so that estimates of energy use can be calculated by using the rate sheets for the purpose of billing. Metered systems will be billed on the General Service Price.

The Company will, if requested by the customer, furnish personnel, materials, tools, and equipment for the purpose of maintaining, repairing, or replacement of customer owned lighting systems. The customer shall reimburse the Company for all costs properly and reasonably incurred therefore upon receipt and verification of an itemized invoice or statement. A maintenance contract on a per-lamp basis may also be available where applicable.

When a customer owned system does not meet Company standards and specifications at the time of installation, it will be the customer's responsibility to have and maintain an inventory of all parts for repair. This will fall under contracted services.

B) Total Lighting Service - Company Owned System

(1) The Company shall install, own, operate, and maintain the lighting system. The type and kind of system will be in accordance with Company standards and specifications.

(2) Where Company owned facilities are located on customer's property, the customer will provide reasonably safe and convenient access to its facilities for Company personnel and equipment for the purpose of maintenance and inspection. Property owners may be required to grant the necessary easements for the lighting system(s) prior to the installation of the system(s).



---

**CLASS OF SERVICE:**        Lighting Services (Continued)  
                                     Street-Area-Security-Customer Owned

C)    General Terms and Conditions Applicable to A) and B) above:

- 1)    Service will be rendered under the Company's Electric Policies.
- 2a)   Maintenance of lighting equipment will be done only during normal working hours within a reasonable period following notification by the customer of the need for such maintenance.
- 2b)   Towers and underground conductors: Including protective devices, mounting rings and lowering devices will be replaced or maintained by the Company at customer's expense. Transformers will be provided and maintained at Company's expense, provided customer's electrical system is designed and constructed to Company's specifications.
- 2c)   Fixtures: Maintenance or replacement will be at customer's expense except for repair or replacement of broken glassware, lamp sockets or other parts of minor cost. Mercury vapor lights shall be replaced with high pressure sodium lights at no cost to the customer.
- 2d)   Lamp Replacement: All lamps on a tower will be replaced on a routine basis when more than half of the lamps on that tower have failed, or when customer requests lamp replacement. If the interval between replacements is less than the period listed above, the cost of replacing the lamps, including lamp cost, will be at customer's expense, provided, however, that if all lamps on all towers at the intersection are replaced at the same time, the cost of replacement will be shared by customer and Company pro rata based upon the time remaining to scheduled replacement.
- 3)    When additional lights are requested by the customer, such additional installations will be made by the Company upon receipt of a written order or signed contract from the customer.
- 4)    The Company reserves the right to remove any fixture or fixtures in any location that has continuous vandalism.
- 5)    Lighting units shall be illuminated from dusk to dawn as controlled by photoelectric controls. A total estimated time of 4200 hours annually.
- 6)    Distribution to all lighting system(s) will be provided in accordance with the Company's electric extension policy that is in effect at the time of installation.

N  
N



---

**CLASS OF SERVICE:** Lighting Services (Continued)  
Street-Area-Security-Customer Owned

- 7) The customer shall pay for all costs for relocation or removal of any part of a lighting system(s) when requested by the customer.

The cost will be based on:

- a) work order cost, plus
  - b) remaining life value, plus
  - c) any salvage credit.
- 8) At the customer's request, the Company will temporarily discontinue service to Company-owned luminaries provided the customer pays a charge equal to the all night price, adjusted to zero burning hours, plus the labor to disconnect and reconnect.
- 9) The Company shall be permitted to enter the customer's premises at all reasonable times for the purpose of inspection, maintenance, and removal of its equipment and facilities.
- 10) The Company will only maintain any lighting standard (customer owned) under 37 feet total height.

D) Term of Contract

- 1) Minimum 2 year contract on all lighting system(s). The first 24 months will include installation and usage costs. Subsequent months will contain only a minimum maintenance and energy cost. (All government accounts excluded.)
- 2) If the contract is cancelled before the expiration date, the customer will be billed for the remaining time of the contract.
- 3) Once the contract period has been met, the contract may be continued by 30 day periods until written notice has been given by either party to the other.
- 4) If the Company is required to relocate the pole upon which any rental unit or units is attached, the customer may cancel the lighting agreement for that unit or units with no penalties or additional billing.



**CLASS OF SERVICE:** Lighting Services (Continued)  
Street-Area-Security-Customer Owned

E) Buy Down Option

- 1) The customer would pay (up front) installation costs based on the W.O. costs of a steel/fibre pole U.G. system(s). This would allow customers to pay the wood pole overhead monthly price for like size and kind of fixture.
- 2) In addition to the above, all ornamental and decorative fixtures are subject to a replacement surcharge based on replacement cost of existing system.

Monthly Billing: Metered lighting will follow normal reading cycles and billing periods. Non-metered lighting will follow the same cycles and billing periods with this exception: non-metered lighting will be billed for monthly payments adjusted by the burning hours factor regardless of the number of days in the billing period.

Tax Adjustment: This rate is subject to the Tax Adjustment; see Sheet No. C-2.

AEP and Energy Efficiency Cost Recovery Adjustments: The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

CNS Capital Additions Tracker: The price charged through the CNS capital additions tracker is shown on Sheet C-4. The purpose is to achieve revenue-neutral adjustments in rate levels.

Carbon Reduction Cost Recovery: The price charged through the carbon reduction cost recovery is shown on sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

Revenue Adjustment Clause: The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N  
  
D  
  
D

Payment: Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8th Revised Sheet No. N-38.40  
 Canceling 7th Revised Sheet No. N-38.40

**NORTHERN DISTRICT**  
**Street Lighting**  
**HPS Lights**

	Price Code	Size	Type	Description	Use per month (KWH)	Pricing
1)	HE1	70W	HPS	Energy-only	33	\$1.28
	HM1	70W	HPS	Customer-owned	33	\$3.49
2)	HE2	100W	HPS	Energy-only	47	\$1.82
	HK2	100W	HPS	Maintenance-only	47	\$2.14
	HM2	100W	HPS	Customer-owned	47	\$3.96
	HO2	100W	HPS	Company MP UG	47	\$11.94
	HV2	100W	HPS	Company- Victorian Style Fiber-glass Pole UG	47	\$14.54
	HW2	100W	HPS	Company WP OH	47	\$5.58
3)	HE3	150W	HPS	Energy-only	68	\$2.64
	HM3	150W	HPS	Customer-owned	68	\$5.21
4)	HE5	200W	HPS	Energy-only	102	\$3.95
5)	HE6	250W	HPS	Energy-only	108	\$4.19
	HK6	250W	HPS	Maintenance-only	108	\$2.46
	HM6	250W	HPS	Customer-owned	108	\$6.65
	HU6	250W	HPS	Company MP UG	108	\$24.20
	HV6	250W	HPS	Company MP 1/2	54	\$22.11
	HW6	250W	HPS	Company WP OH	108	\$11.66
6)	HE7	400W	HPS	Energy-only	165	\$6.40
	HK7	400W	HPS	Maintenance-only	165	\$2.04
	HM7	400W	HPS	Customer-owned	165	\$8.44
	HU7	400W	HPS	Company MP UG	165	\$26.96
	HW7	400W	HPS	Company WP OH	165	\$14.68
7)	HE9	1000W	HPS	Energy Only WP	384	\$14.88

**MH Lights**

1)	MH2	100W	MH	Energy-only	47	\$1.82	N
2)	MH3	150W	MH	Energy-only	68	\$2.64	N
3)	MH6	250W	MH	Energy-only	108	\$4.19	N
4)	MH7	400W	MH	Energy-only	165	\$6.40	N
5)	MH9 & VH9	1000W	Metal Halide	Energy Only	385	\$14.91	
6)	MP9 & VP9	1000W	MH E Only	Til 10 p.m.	75	\$2.91	
7)	MQ9 & VQ9	1000W	Metal Halide	Customer-owned	385	\$15.28	



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

4th Revised Sheet No. N-38.50  
 Canceling 3rd Revised Sheet No. N-38.50

**NORTHERN DISTRICT**

**Street Lighting**

**MV Lights**

	Price Code	Size	Type	Description			Use per month (KWH)	Pricing	
1)	MU2	100W	MV	Electroller	MP	UG	46	\$7.58	
2)	ME4	175W	MV	Energy-only			75	\$2.91	
	MM4	175W	MV	Customer-owned			75	\$4.16	
	MU4	175W	MV	Company	MP	UG	75	\$10.35	
	MO4	175W	MV	Company	MP	OH	75	\$10.35	
	MW4	175W	MV	Company	WP	OH	75	\$4.76	
3)	ME6	250W	MV	Energy-only			104	\$4.03	N
	MM6	250W	MV	Customer-owned			104	\$5.15	
	MU6	250W	MV	Company	MP	UG	104	\$18.88	
	MP6	250W	MV	Company	MP	½	52	\$16.89	
	MW6	250W	MV	Company	WP	OH	104	\$10.11	
4)	ME7	400W	MV	Energy-only			163	\$6.32	N
	MM7	400W	MV	Customer-owned			163	\$6.82	
	MU7	400W	MV	Company	MP	UG	163	\$20.55	
	MP7	400W	MV	Company	MP	½	82	\$17.43	
	MW7	400W	MV	Company	WP	OH	163	\$11.63	
	MQ7	400W	MV	Company	WP	½	82	\$8.50	
5)	MM9	1000W	MV	Customer-owned			385	\$14.74	
	MU9	1000W	MV	Company	MP	UG	385	\$24.10	
	MO9	1000W	MV	Company	OR	UG	385	\$28.02	
	MW9	1000W	MV	Company	WP	OH	385	\$16.51	
	MW9	1000W	MV	Dir. Flood	WP	OH	385	\$16.51	



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

4th Revised Sheet No. N-38.60  
 Canceling 3rd Revised Sheet No. N-38.60

**NORTHERN DISTRICT**

**Private Lighting** Installed on existing poles with existing 120 volt circuits. An additional charge for each additional wood pole is as follows:  
 Served overhead - \$2.20/mo. Served underground - \$3.65/mo.

**HPS Lights**

<u>Former</u>	<u>Res</u>	<u>Comm</u>	<u>Size</u>	<u>Type</u>	<u>Billed Use Per Month (KWH)</u>	<u>Prices</u>	
(M75)	PM2	SM2	100W	HPS	0	\$2.50	
(U75)	PR2	SR2	100W	HPS	47	\$5.36	
(M85)	PO2	SO2	100W	HPS MP	0	\$9.77	
(U85)	PU2	SU2	100W	HPS MP	47	\$11.43	
(M76)	PM6	SM6	250W	HPS	0	\$6.46	
(U76)	PR6	SR6	250W	HPS	108	\$11.47	
(M86)		SO6	250W	HPS MP	0	\$14.84	
(U86)		SU6	250W	HPS MP	108	\$18.68	
(M77)		SM7	400W	HPS	0	\$8.84	
(U77)	PR7	SR7	400W	HPS	165	\$14.45	
(M87)		SO7	400W	HPS MP	0	\$20.60	
(U87)		SU7	400W	HPS MP	165	\$26.50	
		SM8	1000W	HPS	0	\$18.78	N
		SR8	1000W	HPS	384	\$33.66	N
		SO8	1000W	HPS MP	0	\$30.54	N
		SU8	1000W	HPS MP	384	\$45.42	N

**MV LIGHTS (New or Replacement Units Not Available)**

(M70)	XM4	VM4	175W	MV	0	\$0.81	
(U70)	XR4	VR4	175W	MV	75	\$4.80	
(M80)	XO4	VO4	175W	MV MP	0	\$5.34	
(U80)	XU4	VU4	175W	MV MP	75	\$8.23	
(M71)		VM7	400W	MV	0	\$5.27	
(U71)	XR7	VR7	400W	MV	163	\$11.65	
(M81)		VO7	400W	MV MP	0	\$12.78	
(U81)		VU7	400W	MV MP	163	\$20.55	
(M72)		VM9	1000W	MV	0	\$3.16	
(U72)	XR9	VR9	1000W	MV	385	\$16.51	
(M82)		VO9	1000W	MV MP	0	\$17.65	
(U82)		VU9	1000W	MV MP	385	\$28.02	

Units with 0 billed kWh are installed on circuits with energy use measured and billed on customer's meter.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. N-41  
 Canceling 6<sup>th</sup> Revised Sheet No. N-41

**CLASS OF SERVICE: Other Electric Service to Public Authorities - Water Pumping  
 Price Schedule ABN**

**AVAILABLE:** In the Company's North System.

**APPLICABLE:** To all electric service required for water and sewage pumping and treatment plants, by municipal, county, state and federal governments or agencies, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Not applicable to standby, supplementary, or temporary service.

**CHARACTER:** Alternating current; 60 Hz, single or three phase, at nominal voltages offered by the Company, as further described in Company's Electric Service Policies and Electric Rate Application.

**PRICE:**

Service Charge: \$10.00 per month

Energy Charge: (Subject to AEP and energy efficiency cost recovery adjustment, see Sheet Nos. C-1 and C-3; carbon reduction cost recovery, see Sheet No. B-5.10; and revenue adjustment clause, see Sheet No. C-9.)

D/N  
 N

<u>Summer Price</u>	<u>Winter Price</u>
\$0.05227	\$0.04807 per kWh for all kWh

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**TAX ADJUSTMENT:** This price is subject to the tax adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion thereof that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. N-42  
 Canceling 6<sup>th</sup> Revised Sheet No. N-42

**CLASS OF SERVICE:**            **Other Electric Service to Public Authorities  
 Traffic Controls - Price Schedule ATN**

**AVAILABLE:**                In the Company's North System.

**APPLICABLE:**            To all electric service required for traffic control signals and flashers by municipal, county, state and federal governments or agencies, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Not applicable to standby, supplementary, or temporary service.

**CHARACTER:**            Alternating current; 60Hz, single phase, 120v, or 120/240v, or 120/208v, as further described in Company's Electric Service Policies and Electric Rate Application.

**PRICE:**

Service Charge:            \$8.50 per month

Energy Charge:            (Subject to AEP and energy efficiency cost recovery adjustments, see Sheet Nos. C-1 and C-3; carbon reduction cost recovery, see Sheet No. B-5.10; and revenue adjustment clause, see Sheet No. C-9. )

D/N  
 N

\$0.04017 per kWh for all kWh

**TAX ADJUSTMENT:** This price is subject to the tax adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion thereof that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. N-43 & N-44

---

RESERVED FOR FUTURE USE.

---

Issued: November 9, 1995  
Issued by: Brent E. Gale  
Vice President-Law and Regulatory Affairs

Effective December 15, 1995



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

Sub. 2<sup>nd</sup> Revised Sheet No. N-45  
 Canceling Second Sub. First Revised Sheet No. N-45

**CONTRACT TERMS OFFERED FOR PURCHASES FROM QUALIFYING ALTERNATE ENERGY PRODUCTION (AEP) AND SMALL HYDRO FACILITIES  
 PRICE SCHEDULE 24**

**AVAILABILITY**

This rate schedule is applicable to purchases by the Company from an Alternate Energy Production Facility or a Small Hydro Facility as such terms are defined by Section 476.42, Iowa Code. Such facilities will be referred to in this rate schedule individually as "Facility." Purchases by the Company under this rate schedule are available pursuant to a written contract entered into by the Company and the owner or operator of the Facility that is located in the Company's Iowa electric service area. The Company shall purchase 55,200 kW of AEP generating capacity and associated energy production, or such other amount as may be required by law, for its Iowa operations under this schedule. The Company is not required to enter into contracts with any Qualifying Facility with net capacity of greater than 20,000 kilowatts pursuant to the order of the Federal Energy Regulatory Commission in Docket No. QM-09-5-000 issued August 12, 2009. The Company is not required to enter into contracts with an Alternate Energy Production Facility or Small Hydro Facility with net capacity of greater than 20,000 kilowatts as long as the Company has fulfilled its obligation pursuant to Iowa Code Sections 476.43 and 476.44 to enter into long-term contracts to purchase or wheel electricity from alternate energy production facilities or small hydro facilities. For information on non-discriminatory access to markets, such Qualifying Facility, Alternate Energy Production Facility or Small Hydro Facility should contact the Midwest Independent Transmission System Operator, Inc.

N  
N  
N  
N  
N  
N  
N  
N  
N  
N  
N

**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. This rate schedule is subject to change upon approval by the Iowa Utilities Board. In addition, service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapter 45 and Section 5 of this tariff, Electric Interconnection of Distributed Generation Facilities.

T  
T  
T  
D

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

D

**METERING**

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



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. First Revised Sheet No. N-45.10  
Canceling Original Sheet No. N-45.10

---

**CONTRACT TERMS OFFERED FOR PURCHASES FROM QUALIFYING ALTERNATE  
ENERGY PRODUCTION (AEP) AND SMALL HYDRO FACILITIES  
PRICE SCHEDULE 24 (Cont.)**

---

1. "Net Arrangement" with a single meter monitoring only the net amount of electricity sold or purchased.
2. "Simultaneous Purchase and Sale Arrangement" with one meter measuring sales to the Company and a separate meter measuring purchases from the Company; provided, however, that if the Facility selects the Simultaneous Purchase and Sale Arrangement option, the Facility is prohibited from arranging or modifying its facilities to sell back to the Company the same energy it purchased. Under this arrangement, all electricity provided by the Facility is sold to the Company at the buy-back rate, and all electricity used by the Facility is sold to the Facility at filed tariff rates.

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. The Facility shall reimburse the Company for the cost, installation, and maintenance of all metering equipment necessary for measuring and billing the electricity sold to and purchased from the Company.

**BILLING AND PAYMENT**

The Company shall provide 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.

"Monthly Service Charge:" A Monthly Service Charge of \$8.41 per month shall be paid by the Facility to the Company in order to cover recurring costs for meter reading, bill and credit calculations, and accounting and related matters. Services, other than those covered by the Monthly Service Charge, which are requested by the Facility and provided by the Company will be billed at applicable rates. The Monthly Service Charge is subject to the Tax Adjustment.

Billing by the Company shall be rendered monthly. The term "monthly" for billing purposes hereunder shall mean the period between any two consecutive regular readings by the Company for the meter(s) at the Facility, such readings to be taken as nearly as may be practicable every thirty days. The billings shall be calculated using the applicable rate(s).



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. N-45.20  
 Canceling Sub. First Revised Sheet No. N-45.20

**CONTRACT TERMS OFFERED FOR PURCHASES FROM QUALIFYING ALTERNATE  
 ENERGY PRODUCTION (AEP) AND SMALL HYDRO FACILITIES  
 PRICE SCHEDULE 24 (Cont.)**

Bills are due within twenty days from the date the bill is rendered to the customer. Bills not paid within the twenty day period will be assessed a late payment charge. The late payment charge is equal to 1.5 percent per month of the past due amount.

Payment by the Company, if any, shall be made to the Facility within twenty days from the date the meter is read. The Company's obligation for billing and payment to the Facility for energy delivered to the Company shall not commence until the Company has provided written approval for operation.

**ADDITIONAL PROVISIONS**

**Administrative Rules:** Prior to interconnecting with the Company's electric system and at all times during continuation of such interconnection, the Facility must satisfy the requirements of Sections 476.41 through 476.45, *Iowa Code*, and 199 IAC Sections 15.10(1), 15.10(3) through 15.10(6), 15.11(1) and 199 IAC Chapter 45.

T  
 T  
 D

**Permits and Inspection Fees:** The Facility shall secure without cost to the Company all necessary permits for the installation and operation of the electrical wiring and equipment on the Facility's premises and to the point of interconnection. If the Facility is not the owner of the premises, or of intervening property between the premises and the Company's lines, the Facility shall obtain from the proper owner, or owners, the necessary easement for the installation and maintenance on said premises or such intervening property of all wiring and other electrical equipment required for sale of electricity to the Company.

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. N-45.30  
Canceling Sub. First Revised Sheet No. N-45.30

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. N-45.40  
Canceling Sub. First Revised Sheet No. N-45.40

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. N-45.50  
Canceling Sub First Revised Sheet No. N-45.50

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. N-45.60  
Canceling Sub. First Revised Sheet No. N-45.60

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. First Revised Sheet No. N-45.70  
Canceling Original Sheet No. N-45.70

---

RESERVED FOR FUTURE USE.

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2nd Revised Sheet No. N-45.80  
Canceling 1st Revised Sheet No. N-45.80

---

**RESERVED FOR FUTURE USE.**

N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. N-45.90  
Canceling Original Sheet No. N-45.90

---

## RIDER NO. 12 SHORT TERM INTERRUPTIBLE ENERGY SERVICE

---

**Available:** To any North System customer willing to interrupt a minimum of 2 MW when requested. T

**Rate and Terms:** The Company may invite voluntary interruptions from time to time by customers served under the Rider. It is anticipated that this will occur when interruptions will allow the Company either to avoid costly energy purchases, or to increase sales, in the wholesale market.

The price to be paid to customers under the Rider will be negotiated prior to each request for interruption. The amount of load to be interrupted and the duration of the interruption will also be negotiated prior to each interruption.

Customers served under the Rider will be under no obligation to accept the Company's offer to participate in any interruption. However, customers also served under other interruptible / curtailment tariffs remain obligated to make any mandatory interruptions required by those tariffs.

Effective participation in the wholesale market may require interruptions by multiple customers. Therefore, the Company anticipates that it will make initial inquiries about customer willingness to interrupt prior to formally requesting such interruptions.

Customers may at any time notify the Company of their desire to be offered future opportunities to interrupt load and receive payments under the Rider, or their desire not to be notified of future interruptions.

MidAmerican shall bear no liability whatsoever for Customer's choice to reduce its retail consumption in lieu of taking such retail electric service from MidAmerican.

At the end of each billing month following an interruption, Company will determine the total amount of energy interrupted by a customer during that month. Payments will be made at the price negotiated at the time of each interruption. Customers failing to interrupt after accepting Company's offer will forfeit any such payments and may be removed from the Rider.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. N-46  
Canceling Sub. First Revised Sheet No. N-46

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. N-46.10  
Canceling Sub. First Revised Sheet No. N-46.10

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. N-46.20  
Canceling Sub. First Revised Sheet No. N-46.20

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. N-46.30  
Canceling Sub. First Revised Sheet No. N-46.30

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. N-46.40  
Canceling Sub. Original Sheet No. N-46.40

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. N-46.50  
Canceling Sub. Original Sheet No. N-46.50

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. N-46.60  
Canceling Sub. Original Sheet No. N-46.60

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. N-46.70  
Canceling Sub. Original Sheet No. N-46.70

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. N-46.80  
Canceling Sub. Original Sheet No. N-46.80

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. N-46.90  
Canceling Sub. Original Sheet No. N-46.90

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

8th Revised Sheet No. N-47  
Canceling 7th Revised Sheet No. N-47

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

4th Revised Sheet No. N-47.10  
Canceling 3rd Revised Sheet No. N-47.10

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

5th Revised Sheet No. N-47.20  
Canceling 4th Revised Sheet No. N-47.20

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. N-48  
Canceling Original Sheet No. N-48

---

**RESERVED FOR FUTURE USE.**

N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. N-49.00  
Canceling Original Sheet No. N-49.00

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. N-49.10  
Canceling Original Sheet No. N-49.10

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. N-49.20  
Canceling Original Sheet No. N-49.20

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. N-49.30  
Canceling Original Sheet No. N-49.30

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. N-49.40  
Canceling Original Sheet No. N-49.40

---

RESERVED FOR FUTURE USE



INDEX  
SOUTH SYSTEM

Sheet No.

Electric Rate Application

S-2

Price Schedule

RESIDENTIAL

RBS	Base Use	S-3
RWS	Base Use with Electric Water Heating	S-4
RSS	Electric Space Heating	S-5
RES	All Electric	S-6
RAS	All Electric Apartment	S-7
RHS	Apartment with Electric Space Heating	S-8
RTS	Time-of-Use	S-9

GENERAL SERVICE

GBS	Base - Energy Only Metering	S-13
GES	Electric Heat - Energy Only Metering	S-14
GDS & ADS	Base - Demand Metered	S-15
GPS & ARS	Base - Primary Metered	S-16
GHS	Electric Heat - Demand Metered	S-17
GUS	Time-of-Use - Secondary Voltage	S-18
GTS	Time-of-Use - Primary Voltage	S-19

LARGE GENERAL SERVICE

LLS, LLC & ALS	Base Use at Secondary Voltage	S-23
LPS, LPC & APS	Base Use at Primary Voltage	S-24
LES	Large General Service with Electric Space Heating at Secondary Voltage	S-25
LHS	Large General Service with Electric Space Heating at Primary Voltage	S-26
LXS & AXS	Base Use at Transmission Voltage	S-27



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-1.10  
Canceling 7<sup>th</sup> Revised Sheet No. S-1.10

---

INDEX  
SOUTH SYSTEM (CONT.)

<u>Price Schedule</u>		<u>Sheet No.</u>
LARGE GENERAL SERVICE (Cont.)		
LNS/LOS	Time-of-Use at Secondary Voltage	S-28
LVS/LRS	Time-of-Use at Primary Voltage	S-29
LXP/LXO	Time of Use at Transmission Voltage	S-30
LCL	Interruptible Time-of-Use at Primary Voltage for Iron Foundry	S-31
LIGHTING SERVICE		
	Street - Area - Security - Customer Owned	S-38
PUBLIC AUTHORITY		
ABS	Water Pumping	S-41
ATS	Traffic Controls	S-42
<u>Rider No.</u>		
1	Electric General Service - Standby and Supplementary Service	S-45
12	Short Term Interruptible Energy Service	S-46.70
<u>Price Schedule</u>		
926	Contract Terms Offered for Purchases From Qualifying AEP/Small Hydro Facilities	S-49

D  
D



---

## **ELECTRIC RATE APPLICATION - SOUTH SYSTEM**

### **1. DEFINITIONS**

**Demand:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of customer's greatest use during the month, determined to the nearest kW.

**Reactive Demand:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter. Where possible said readings shall be for the 15-minute period of customer's greatest lagging reactive use during the month, determined to the nearest kilovar. In the event only kilovar-hour metering is installed, readings shall be used to compute the average hourly kVAR of the customer's lagging reactive use during the month, determined to the nearest kilovar.

**Service Voltage Adjustments:** Discounts provided to customers accepting delivery of electric service at primary voltage and above.

**Minimum Bill:** An amount charged, where applicable, to customers to recognize that facilities have been constructed and made available for the customers' use regardless of whether the customers then actually make use of them.

**Primary Voltage Service:** Service provided to the customer at voltages greater than 600 volts, but less than transmission voltage.

**Secondary Voltage Service:** Service provided to the customer at voltages up to and including 600 volts.

**Transmission Voltage Service:** Service provided to the customer at voltages greater than or equal to 34,500 volts.

**Qualifying Cogeneration or Small Power Production Facility:** A power generation facility which has obtained certification under the Public Utilities Regulatory Policy Act of 1978.

**Alternate Energy Production or Small Hydro Facility:** A power generation facility meeting the requirements of 199 Iowa Administrative Code, Chapter 15.

### **2. RESIDENTIAL SERVICE**

Single phase electric alternating current of 60 Hz is available as 120 volt two-wire or 120/240 or 120/208 volt three-wire or such higher voltage as may be agreed upon for single family residential purposes, including incidental farm usage supplied through the same meter.

Where a portion of a dwelling is used regularly for business or professional purposes, the premises will be classified as non-residential and the appropriate price schedule applied. However, if the service for residential purposes can be metered separately through appropriate wiring, the residential classification will be applied to such service.



Service in this classification is not available for fraternity houses, multiple dwellings with two or more distinct living quarters, or rooming houses with more than four rooms occupied by persons not members of the customer's immediate family.

Three phase electric service is not available under the Residential service classification. However, urban residential customers receiving three phase electric service prior to October 17, 1969, may continue to receive such service under the applicable residential price schedule on a separately metered and separately billed basis until appropriate elimination of this practice can be accomplished.

Residential service is available under:

a. Price Schedule RBS - Residential Base Use.

The base use residential service is available to all residential customers who do not qualify for one of the other residential rates.

b. Price Schedule RWS - Electric Base Use with Electric Water Heating.

The base use with water heating residential service is available to those residential service customers who have elected to install an electric water heater. The water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the residence. T

c. Price Schedule RSS - Electric Space Heating.

The electric space heating residential service is available to customers who have installed electric heating as their preponderant source of space heating for the residence. The electric space heating devices must conform to Company specifications and be in regular use for supplying the domestic space heating requirements of the residence. T

d. Price Schedule RES - All Electric.

The all electric residential service is available to customers who have installed both electric heat and an electric water heater. The electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the residence, and be the preponderant source of space heating for the residence. The electric water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the residence. T

e. Price Schedule RAS - All Electric Apartment.

The all electric apartment service is available to residential customers for domestic uses in individually metered apartments with electric space and water heating. Electric space heating devices must conform to Company specifications, be in regular use for T



supplying the domestic space heating requirements of the residence, and be the preponderant source of heat for the apartment. The electric water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the apartment.

f. Price Schedule RHS - Apartment with Electric Space Heating.

The apartment with electric space heating service is available to residential customers for domestic uses in individually metered apartments with electric space heating. Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the residence, and be the preponderant source of heat for the apartment.

g. Price Schedule RTS - Residential Time-of-Use.

The residential time-of-use service is available to all residential customers. It is a seasoned service, being only available in the summer, May 16 - September 15. Customers electing this service will be billed for on-peak energy on weekdays from 12:00 p.m. - 7:00 p.m., except for the following holidays: Memorial Day, Independence Day and Labor Day. Customers will be billed for off-peak energy during all other hours of the summer period. Customers will be billed at the appropriate winter price for their circumstances (see requirements in a through f above) during the winter period.

In order to qualify for the special Electric Space Heating provisions, the electric heating equipment must conform to specifications both as to installation and use which are acceptable to the Company. In addition, the Company reserves the right of inspection to determine if minimum insulation requirements as recommended by NEMA are met.

**3. GENERAL SERVICE**

Electric alternating current of 60 Hz is available as 120/208 or 120/240 volt single phase, three-wire, or 120/208, 120/240, or 277/480 volt, three phase, four-wire or such higher voltage as may be agreed upon for any purpose or use by any customer, except resale purposes. Also, not applicable to standby or supplementary service except under written agreement in conjunction with applicable riders for such service.

D

Each of the general service price schedules listed below as available to customers who have installed electric heating devices has qualification requirements. To qualify for these price schedules electric heat must: (1) be the preponderant source of space heating; (2) be in regular use for supplying the space heating requirements of the premise; and (3) be supplied from devices which conform to Company specifications as to both installation and use.  
Electric



---

space heating price schedules are available only to customers where at least 50% of the electric load is located inside buildings that are electrically heated and where space heating is integral to the principal function of such buildings.

General service is available under:

- a. Price Schedule GBS - General Service, Base - Energy Only Metering.

The general service, base - energy only service is available to all customers served at a secondary voltage level who have demands (rounded to the nearest kW) of 200 or less. C

- b. Price Schedule GES - General Service, Electric Heat - Energy Only Metering.

The general service electric space heating service is available to customers served at a secondary voltage level who have installed electric space heating as their preponderant source of heating and who have demands (rounded to the nearest kW) of 200 or less. C

- c. Price Schedules GDS and ADS - General Service, Base - Demand Metered.

The general service, base-demand metered service is available to all customers who, in the opinion of the Company, utilize sufficient amounts of service to justify installation of demand metering.

- d. Price Schedule GHS - General Service, Electric Heat - Demand Metered.

The general service, electric heat - demand metered service is available to customers who have installed electric space heating as their preponderant source of heating and who, in the opinion of the Company, utilize sufficient amounts of service to justify installation of demand metering.

- e. Price Schedules GPS and ARS - General Service, Primary Metered.

The general service, primary metered service is available to customers who elect to receive primary voltage service, provided that such voltage service is available at the location.

- f. Price Schedule GUS - General Service Time-of-Use at Secondary Voltage.

The general service time-of-use at secondary voltage service is available to customers who elect to have time-of-use metering installed in accordance with the terms of this price schedule.



g. Price Schedule GTS - General Service Time-of-Use at Primary Voltage.

The general service time-of-use at primary voltage service is available to customers who elect to have time-of-use metering installed in accordance with the terms of this price schedule. The customer must also elect to receive service at a primary voltage level, provided that such voltage service is available at the location.

**4. LARGE GENERAL SERVICE**

Electric alternating current of 60 Hz is available as 120/208 or 120/240 volt single phase, three-wire, or 120/208, 120/240, or 277/480 volt three phase, four-wire, or such higher voltage as may be agreed upon for any purpose or use by any customer, but not for resale.

D

Service in this classification is also available for seasonal, standby, supplementary, and duplicate service only in accordance with the specific terms applicable to such service.

Large General service is available under:

a. Price Schedules LLS, LLC and ALS - Large General Service, Base - at Secondary Voltage.

The large general service, base service at secondary voltage is available, to satisfy the customer's full requirements where demand metering is installed and where the customer has elected to receive secondary voltage service.

b. Price Schedules LPS, LPC and APS - Large General Service, Base - at Primary Voltage.

The large general service, base service at primary voltage is available to satisfy the customer's full requirements where the customer has elected to receive primary voltage service (provided that primary voltage service is available at the location) and where primary metering is installed.

c. Price Schedule LES - Large General Service with Electric Space Heating at Secondary Voltage.

The large general service with electric space heating at secondary voltage service is available in combination with general service required on the premises by customer where electric space heating is permanently installed as the preponderant source of heat.

d. Price Schedule LHS - Large General Service with Electric Space Heating at Primary Voltage.

The large general service with electric space heating at primary voltage service is available in combination with general service required on the premises by customers where electric space heating is permanently installed as the preponderant source of heat and where the customer has elected to receive service at primary voltage, provided that such voltage service is available at the location.



- 
- e. Price Schedules LXS and AXS - Large General Service, Base - at Transmission Voltage.

The large general service with base -- at transmission voltage service is available to satisfy the customer's full requirements where the customer has elected to receive transmission voltage service, provided that such voltage service is available at the location.

- f. Price Schedule LNS/LOS - Large General Service, Time-of-Use at Secondary Voltage.

The large general service, time-of-use at secondary voltage service is available to satisfy the customer's full requirements where the customer has elected to receive secondary voltage service and where time-of-use metering has been installed.

- g. Price Schedule LVS/LRS - Large General Service, Time-of-Use at Primary Voltage.

The large general service, time-of-use at primary voltage service is available to satisfy the customer's full requirements where the customer has elected to receive primary voltage service (provided that primary voltage service is available at the location) and where time-of-use from primary metering has been installed.

- h. Price Schedule LXP/LXO - Large General Service, Time-of-Use at Transmission Voltage.

The large general service time-of-use at transmission voltage is available to satisfy the customer's full requirements where the customer has elected to receive transmission voltage service (provided that such voltage service is available at the location) and where time-of-use metering has been installed.

- i. Price Schedule LCL - Large General Service Interruptible Time-of-Use at Primary Voltage for Iron Foundry.

The large general service, interruptible time-of-use at primary voltage for Iron Foundry service is available for iron foundry operations of not less than 9,000 kW which includes arc furnaces of not less than 6,000 kW, provided the customer demonstrates a continuing willingness and ability to interrupt a portion of the load during curtailment periods by 30 percent or more from normal operation levels.

- j. Service, separately metered, available for standby and supplementary service when the customer's electric load is supplied in part from an alternate source of energy which either (1) is completely isolated from the Company's electric system so that no electrical or mechanical tie can be made between the two or (2) is tied to the Company's electric system only if the alternate energy source is a qualifying cogeneration or small power production facility and meets the standards as specified in Rate No. 925 or is a qualifying alternate energy production or small hydro facility as specified in Rate No. 926 of the Company's tariff. This service is available priced under price schedules as shown in the Tariff.



---

**5. LIGHTING SERVICES**

Lighting of public streets, highways and other outdoor areas freely accessible to the public and by Company service vehicles, on a permanent and continuing basis is available to municipal, county, state and federal governments or agencies from Company owned, operated, and maintained; customer owned and Company operated and maintained; or customer owned and maintained and Company operated; lighting facilities.

Lighting for streets located outside incorporated communities (other than lighting provided to governmental organizations) and lighting for private areas is available to private parties from company owned, operated, and maintained; customer owned and company operated and maintained; and customer owned and maintained and company operated; lighting facilities.

Service under these rates generally considers maximum use of facilities otherwise existing for supplying electric service to other classes. To the extent costs are reasonably recoverable under the rates, Company will furnish service to locations requested by customer, but may substitute other locations providing reasonably effective lighting for the same area. Company will install lighting units on brackets 6 feet or shorter, except where customer directly assumes the additional cost of longer brackets.

**6. OTHER SERVICE TO PUBLIC AUTHORITIES**

Electric alternating current of 60 Hz is available as 120/208 or 120/240 volt single phase, three-wire, or 120/208, 120/240, or 277/480 three phase, four-wire, or such higher voltage as may be agreed upon for any purpose or use by any municipal, county, state or federal government or agencies under special contracts or agreements applicable only to public authorities.

D

Service in this classification is available for standby, supplementary, emergency, and temporary service, only in accordance with specific terms of an agreement for such service. It is not available for resale service.

In case of service which cannot be readily metered such as traffic lights and which service is reasonably constant, the monthly consumption may be estimated by the Company.

Municipal water and sewage pumping and treatment systems service are available under price schedule ABS, service to traffic control signals and traffic flashers under price schedule ATS. These and other services to public authorities are also available under applicable Small General Service and Large General Service Price Schedules, provided that the late payment charges may be waived by the Company in cases where the public authority legally mandated bill approval procedure is not effective within the 20 day payment period.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-3  
 Canceling 7<sup>th</sup> Revised Sheet No. S-3

**Class of Service** Residential, Base Use - Price Schedule RBS

**Available** In the Company's Iowa electric service area (South System only).

**Price** The monthly price schedule for electric base use is:

RBS Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 1,000 kWh @	\$0.08080	\$0.07830
Additional kWh @	\$0.08080	\$0.06932

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The price charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.



---

**Residential, Base Use, RBS, continued**

---

**Carbon  
Reduction Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

---

N  
N  
N  
  
D  
  
D

**Applicable**

The residential electric base use service is:

- Applicable to single family dwellings (including incidental farm electric usage supplied through the same meter).
  - Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
  - Not applicable to standby or supplementary service.
- 

**Payment  
Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-4  
 Canceling 7<sup>th</sup> Revised Sheet No. S-4

**Class of Service** Residential, Electric Base Use with Electric Water Heating  
 Price Schedule RWS

**Available** In the Company's Iowa electric service area (South System only).

**Price** The monthly price schedule for base use with electric water heating is:

RWS Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 1,000 kWh @	\$0.08080	\$0.06682
Additional kWh @	\$0.08080	\$0.06932

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recover adjustments are shown on Sheets C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

T  
T

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



**Residential, Base Use with Electric Water Heating RWS, continued**

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N

D

D

**Applicable**

The residential electric base use with electric water heating service is:

- Applicable to single family dwellings (including incidental farm usage supplied through the same meter) with an electric water heater.
- Water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the residence.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service.

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. S-5  
 Canceling 5<sup>th</sup> Revised Sheet No. S-5

**Class of Service** Residential, Electric Space Heating - Price Schedule RSS

**Available** In the Company's Iowa electric service area (South System only).

**Price** The monthly price schedule for electric space heating use is:

RSS Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 1,000 kWh @	\$0.08200	\$0.07950
Additional kWh @	\$0.08200	\$0.02962

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



---

**Residential, Electric Space Heating, RSS, continued**

---

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

---

N  
N  
N  
  
D  
  
D

**Applicable**

The residential electric space heating service is:

- Applicable to single family dwellings (including incidental farm usage supplied through the same meter) with electric space heating.
  - Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the residence, and be the preponderant source of heat for the residence.
  - Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
  - Not applicable to standby or supplementary service.
- 

**Payment  
Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. S-6  
 Canceling 5<sup>th</sup> Revised Sheet No. S-6

**Class of Service** Residential, All Electric - Price Schedule RES

**Available** In the Company's Iowa electric service area (South System only).

**Price** The monthly price schedule for all electric use is:

RES Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 1,000 kWh @	\$0.08200	\$0.06802
Additional kWh @	\$0.08200	\$0.02962

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any City in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



**Residential, All Electric, RES, continued**

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
 N  
 N  
 D  
 D

**Applicable**

The residential all electric service is:

- Applicable to single family dwellings (including incidental farm usage supplied through the same meter) with electric space and water heating.
- Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the residence, and be the preponderant source of heat for the residence.
- Water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the residence.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service.

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. S-7  
 Canceling 5<sup>th</sup> Revised Sheet No. S-7

**Class of Service** Residential, All Electric Apartment - Price Schedule RAS

**Available** In the Company's Iowa electric service area (South System only).

**Price** The monthly price schedule for an all electric apartment is:

RAS Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 600 kWh @	\$0.08200	\$0.06802
Additional kWh @	\$0.08200	\$0.02962

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

T

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Company's energy efficiency programs.

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



**Residential, All Electric Apartment, RAS, continued**

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
 N  
 N  
 D  
 D

**Applicable**

The residential all electric apartment service is:

- Applicable to residential consumers for domestic use in individually metered apartments with electric space and water heating.
- Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the apartment, and be the preponderant source of heat for the apartment.
- Water heater must conform to Company specifications and be in regular use for supplying the domestic hot water requirements of the apartment.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service.

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. S-8  
 Canceling 5<sup>th</sup> Revised Sheet No. S-8

**Class of Service** Residential, Apartment With Electric Space Heating - Price Schedule RHS

**Available** In the Company's Iowa electric service area (South System only).

**Price** The monthly price schedule for an apartment with electric space heating is:

RHS Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$8.50	\$8.50
First 600 kWh @	\$0.08200	\$0.07950
Additional kWh @	\$0.08200	\$0.02962

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. Sheet No. C-2. T

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEP's and the Company's energy efficiency programs. T

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels. T  
T



---

**Residential, Apartment With Electric Space Heating, RHS, continued**

---

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

---

N  
N  
N  
  
D  
  
D

**Applicable**

The residential apartment with electric space heating service is:

- Applicable to residential consumers for domestic uses in individually metered apartments with electric space heating.
  - Electric space heating devices must conform to Company specifications, be in regular use for supplying the domestic space heating requirements of the apartment, and be the preponderant source of heat for the apartment.
  - Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
  - Not applicable to standby or supplementary service.
- 

**Payment  
Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6th Revised Sheet No. S-9  
 Canceling 5th Revised Sheet No. S-9

**Class of Service** Residential, Time-of-Use - Price Schedule RTS

**Available** In the Company's Iowa electric service area (South System only) during the summer season.

**Price** The monthly price schedule for the electric time-of-use is:

RTS Price Code	Service Charge	Summer Per kWh		Winter Refer to Price Schedule	Description
		On-Peak	Off-Peak		
TBS	\$ 16.00	\$0.18642	\$0.04842	RBS	Base
TWS	\$ 16.00	\$0.18642	\$0.04842	RWS	Base with Electric Water Heating
TSS	\$ 16.00	\$0.18762	\$0.04962	RSS	Electric Space Heating
TES	\$ 16.00	\$0.18762	\$0.04962	RES	All Electric
TAS	\$ 16.00	\$0.18762	\$0.04962	RAS	All Electric Apartment
THS	\$ 16.00	\$0.18762	\$0.04962	RHS	Apartment with Electric Space Heating

R  
R



---

**Residential, RTS, continued**

---

**Peak Periods** All time occurring after 12:00 p.m. (noon) but before 7:00 p.m. each week day, Monday through Friday excluding specified holidays.

---

**Off Peak Periods** All time occurring before 12:00 p.m. (noon) and after 7:00 p.m. each weekday, Monday through Friday, and all day each Saturday, Sunday and specified holidays, during every monthly billing period of each year.

---

**Specified Holidays** Specified holidays are identified as:

- Memorial Day
- Independence Day
- Labor Day

---

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - May 16 through September 15
- Winter - September 16 through May 15

---

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

---

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

---

**CNS Capital Additions Tracker** The price charged through the CNS capital additions tracker is shown on Sheet No. C-4.20. The purpose is to achieve revenue-neutral adjustments in rate levels.

T  
T



---

**Residential, RTS**, continued

---

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N  
  
D  
  
D

---

**Applicable**

The residential time-of-use service is:

- Applicable to all electric service required on premises by customers for single family residential purposes where permanent time-of-use metering is installed, at the option of the customer.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service.

---

**Payment  
Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet Nos. S-10 thru S-12

---

RESERVED FOR FUTURE USE.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. S-13  
 Canceling 5<sup>th</sup> Revised Sheet No. S-13

**Class of Service** General Service, Base - Energy Only Metering - Price Schedule GBS

**Available** In the Company's Iowa electric service area (South System only).

**Price** The monthly price schedule for base energy only metering is:

GBS Price Schedule	Summer per kWh	Winter per kWh
Service Charge	\$10.00	\$10.00
First 4,000 kWh @	\$0.09499	\$0.09069
Additional kWh @	\$0.07207	\$0.06447

**Seasonal Provision** Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment** Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments** The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

T

D



**General Service, GBS, continued**

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N  
  
D  
  
D

**Applicable**

The general service base-energy only metering service is:

- Applicable to all electric service required on premises.
- Not applicable to customers with demands greater than 200 kW.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service, except where the customer is operating an alternate energy production facility or a qualifying cogeneration or small power production facility.

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. S-14  
 Canceling 5<sup>th</sup> Revised Sheet No. S-14

**Class of Service**            General Service, Electric Heat - Energy Only Metering  
 Price Schedule GES

**Available**                In the Company's Iowa electric service area (South System only).

**Price**                      The monthly price schedule for electric heat - energy only metering is:

<b>GES Price Schedule</b>	<b>Summer per kWh</b>	<b>Winter per kWh</b>
Service Charge	\$10.00	\$10.00
First 4,000 kWh @	\$0.09499	\$0.06267
Next 4,000 kWh @	\$0.07207	\$0.06267
Additional kWh @	\$0.07207	\$0.03207

**Seasonal Provision**        Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

**Tax Adjustment**            Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

T

**AEP and Energy Efficiency Cost Recovery Adjustments**        The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

D



**General Service, GES, continued**

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N  
  
D  
  
D

**Applicable**

The general service electric heat - energy only metering service is:

- Applicable to customers with electric space heating.
- Not applicable to customers with demands greater than 200 kW.
- Electric space heating devices must conform to Company specifications and be the preponderant source of heat for the premises, and where at least 50 percent of the electric load of the premise is located inside of the building or buildings with electric space heating.
- Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
- Not applicable to standby or supplementary service, except where the customer is operating an alternate energy production facility or a qualifying cogeneration or small power production facility.

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3rd Revised Sheet No. S-15  
 Canceling 2nd Revised Sheet No. S-15

**Class of Service**            General Service, Base - Demand Metered  
                                  Price Schedules GDS and ADS

**Available**                In the Company's Iowa electric service area (South System only).

**Price**                      The monthly price schedule for base demand metered use is:

<b>GDS Price Schedule</b>	<b>Summer per kWh</b>	<b>Winter per kWh</b>
Service Charge	\$80.00	\$80.00
First 250 hours x kW of demand @	\$0.07207	\$0.06447
Next 150 hours x kW of demand @	\$0.02907	\$0.02907
Additional kWh @	\$0.01957	\$0.01957

R  
 R  
 R

**Demand Charges**            Applicable only to customers, with demand meters installed by the Company, whose 15-minute period of greatest use during the month (to the nearest kW, as shown by or computed from the demand meter) is greater than 200 kW and whose kilowatt-hours of use per kW of demand is less than or equal to 249.

- Summer: \$9.39 per kW, less a discount per kWh of 1.20 cents
- Winter: \$7.68 per kW, less a discount per kWh of 0.79 cent



---

**General Service, GDS and ADS, continued**

---

**Seasonal Provision**

Summer and winter periods are defined as:

- Summer - June through September Billing Periods
  - Winter - October through May Billing Periods
- 

**Reactive Demand Charges**

The reactive demand charge is \$0.50 per kVAR of reactive demand in excess of 50 percent of demand, but only when the demand equals or exceeds 200 kW.

---

**Minimum Bill**

The minimum bill is applicable only to customers with demand meters installed by the Company whose 15-minute period of greatest use during any month of the summer (to the nearest kW, as shown by or computed from the demand meter) in the preceding 12 months was greater than 200 kW and whose kilowatt-hours of use per kW of demand in the current billing month is less than or equal to 249. The minimum bill shall be: the service charge, plus the highest summer demand during the last 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

---

D/N

**Demand**

The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 40 kW.

---

**Reactive Demand**

The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kVAR.

---



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

6<sup>th</sup> Revised Sheet No. S-15.20  
Canceling 5<sup>th</sup> Revised Sheet No. S-15.20

---

**General Service, GDS and ADS, continued**

---

**Tax  
Adjustment**

Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

---

**AEP and  
Energy  
Efficiency  
Cost  
Recovery  
Adjustments**

The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

---

**Carbon  
Reduction  
Cost  
Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

---

**Revenue  
Adjustment  
Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

---

N  
N  
N  
  
D  
  
D



---

**General Service, GDS and ADS, continued**

---

**Applicable**

The general service base demand metered service is:

- Applicable to all electric service required on premises.
  - Subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application.
  - Not applicable to standby or supplementary service, except where the customer is operating an alternate energy production facility or a qualifying cogeneration or small power production facility.
- 

**Payment Terms**

Service bills are due and payable within 20 days from the date the bill is rendered to the customer. When not paid in full by this date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.

---

L  
L



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3rd Revised Sheet No. S-16  
 Canceling 2nd Revised Sheet No. S-16

**Class of Service**            General Service, Base - Primary Metered  
 Price Schedules GPS and ARS

**Available**                In the Company's Iowa electric service area (South System only).

**Price**                      The monthly price schedule for base primary metered is:

<b>GPS Price Schedule</b>	<b>Summer per kWh</b>	<b>Winter per kWh</b>
Service Charge	\$200.00	\$200.00
First 250 hours x kW of demand @	\$0.07077	\$0.06337
Next 150 hours x kW of demand @	\$0.02867	\$0.02867
Additional kWh @	\$0.01937	\$0.01937

R  
 R  
 R

**Demand Charges**            Applicable only to customers, with demand meters installed by the Company, whose 15-minute period of greatest use during the month (to the nearest kW, as shown by or computed from the demand meter) is greater than 200 kW and whose kilowatthours of use per kW of demand is less than or equal to 249.

- Summer: \$9.19 per kW, less a discount per kWh of 1.17 cents
- Winter: \$7.52 per kW, less a discount per kWh of 0.77 cents



---

**General Service, GPS and ARS, continued**

---

**Seasonal Provision**

Summer and winter periods are defined as:

- Summer - June through September Billing Periods
- Winter - October through May Billing Periods

---

**Reactive Demand Charge**

The reactive demand charge is \$0.50 per kVAR of reactive demand in excess of 50 percent of demand, but only when the demand equals or exceeds 200 kW.

---

**Transformer Ownership Credit**

Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of billing demand.

---

**Minimum Bill**

The minimum bill is applicable only to customers with demand meters installed by the Company whose 15-minute period of greatest use during any month of the summer (to the nearest kW, as shown by or computed from the demand meter) in the preceding 12 months was greater than 200 kW and whose kilowatt-hours of use per kW of demand in the current billing month is less than or equal to 249. The minimum bill shall be: the service charge, plus the highest summer demand during the last 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

D/N

---

**Demand**

The kW as shown by or computed from the reading of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 40 kW.

---



**General Service, GPS and ARS, continued**

**Reactive Demand**

The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kVAR.

**Tax Adjustment**

Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments**

The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recovery costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
 N  
 N  
 D  
 D





MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3rd Revised Sheet No. S-17  
 Canceling 2nd Revised Sheet No. S-17

**Class of Service**                    General Service, Electric Heat - Demand Metered - Price Schedule GHS

**Available**                        In the Company's Iowa electric service area (South System only).

**Price**                                The monthly price schedule for electric heat - demand metered is:

<b>GHS Price Schedule</b>	<b>Summer per kWh</b>	<b>Winter per kWh</b>
Service Charge	\$80.00	\$80.00
First 250 hours x kW of demand @	\$0.07207	\$0.04107
Next 150 hours x kW of demand @	\$0.02907	\$0.02527
Additional kWh @	\$0.01957	\$0.01957

R  
R  
R

**Demand Charges**                    Applicable only to customers, with demand meters installed by the Company, whose 15-minute period of greatest use during the month (to the nearest kW, as shown by or computed from the demand meter) is greater than 200 kW and whose kilowatthours of use per kW of demand is less than or equal to 249.

- Summer: \$9.39 per kW, less a discount per kWh of 1.20 cents
- Winter: \$4.70 per kW, less a discount per kWh of 0.20 cents



---

**General Service, GHS, continued**

---

**Seasonal Provision**

Summer and winter periods are defined as:

- Summer - June through September Billing Periods
  - Winter - October through May Billing Periods
- 

**Reactive Demand Charge**

The reactive demand charge is \$0.50 per kVAR of reactive demand in excess of 50 percent of demand, but only when the demand equals or exceeds 200 kW.

---

**Minimum Bill**

The minimum bill is applicable only to customers with demand meters installed by the Company whose 15-minute period of greatest use during any month of the summer (to the nearest kW as shown by or computed from the demand meter) in the preceding 12 months was greater than 200 kW and whose kilowatt-hours of use per kW of demand in the current billing month is less than or equal to 249. The minimum bill shall be: the service charge, plus the highest summer demand during the last 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments, AEP, carbon reduction cost recovery, and revenue adjustment clause.

---

D/N

**Demand**

The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 40 kW.

---

**Reactive Demand**

The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kVAR.

---



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. S-17.20  
 Canceling 6<sup>th</sup> Revised Sheet No. S-17.20

**General Service, GHS, continued**

**Tax Adjustment**

Service provided according to this price schedule is subject to state and local taxes as well as any franchise fee calculations applicable to any city in which the premise is located. See Sheet No. C-2.

**AEP and Energy Efficiency Cost Recovery Adjustments**

The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

**Carbon Reduction Cost Recovery**

The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

**Revenue Adjustment Clause**

The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
 N  
 N  
 D  
 D





MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. S-18

---

**CLASS OF SERVICE:** General Service, Time-of-Use at Secondary Voltage  
Price Schedule GUS

**PRICE CODE:**

GSP - General Use, peak periods  
GSO - General Use, off-peak periods  
CSP - Cogeneration, peak periods  
CSO - Cogeneration, off-peak periods

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Rules and Regulations and Electric Rate Application. Customer must agree to pay \$75 of metering related costs at the time service is elected under this price schedule where such facilities are not already in place, or where such amount is refunded to a prior customer at the same location as provided herein. The \$75 will be refundable to a customer who pays that amount and who then moves and discontinues service within one year from the date of meter installation. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. S-18.10  
 Canceling 6<sup>th</sup> Revised Sheet No. S-18.10

**General Service, GUS** , continued

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$14.50	\$14.50
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand, but only when demand equals or exceeds 200 kW	\$0.50/kVAR	\$0.50/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for the first 2,000 kWh per kWh for all additional kWh  Off-Peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.15067/kWh \$0.15067/kWh  \$0.04217/kWh	\$0.06287/kWh \$0.06287/kWh  \$0.05427/kWh
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

N  
N  
N  
D  
D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-18.20  
Canceling Original Sheet No. S-18.20

**General Service, GUS** , continued

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.

**TIME-OF-USE PERIODS:**

Peak Periods: All time occurring after 12:00 p.m. (noon), but before 7:00 p.m. each weekday, Monday through Friday, excluding specified holidays.

Off-Peak Periods: All hours not designated as on-peak hours.

Specified Holidays:

- New Year's Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving Day
- Christmas Day

L  
|  
|  
|  
|  
|  
|  
L



---

**CLASS OF SERVICE:** General Service Time-of-Use at Primary Voltage  
Price Schedule GTS

**PRICE CODE:**

- GPP - General Use, peak periods
- GPO - General Use, off-peak periods
- CPP - Cogeneration, peak periods
- CPO - Cogeneration, off-peak periods

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Rules and Regulations and Electric Rate Application. Customer must agree to pay \$75 of metering related costs at the time service is elected under this price schedule where such facilities are not already in place, or where such amount is refunded to a prior customer at the same location as provided herein. The \$75 will be refundable to a customer who pays that amount and who then moves and discontinues service within one year from the date of meter installation. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at primary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. S-19.10  
 Canceling 6<sup>th</sup> Revised Sheet No. S-19.10

**General Service, GTS, continued**

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$200.00	\$200.00
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand, but only when demand equals or exceeds 200 kW	\$0.49/kVAR	\$0.49/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for the first 2,000 kWh per kWh for all additional kWh  Off-Peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.14787/kWh \$0.14787/kWh  \$0.04147/kWh	\$0.06177/kWh \$0.06177/kWh  \$0.05337/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

N  
N  
N  
N  
D  
D





MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet Nos. S-20 thru S-22

---

RESERVED FOR FUTUE USE.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-23  
 Canceling 7<sup>th</sup> Revised Sheet No. S-23

**CLASS OF SERVICE: Large General Service, Base Use at Secondary Voltage  
 Price Schedules LLS, LLC and ALS**

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$125.00	\$125.00
<b>Demand Charge</b> times kW of measured demand for customers with demand meters, but not less than 200 kW	\$6.39/kW	\$5.70/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.50/kVAR	\$0.50/kVAR
<b>Energy Charge:</b> First 250 hours x kW of demand Next 150 hours x kW of demand Over 400 hours x kW of demand	\$0.03797/kWh \$0.02597/kWh \$0.01847/kWh	\$0.03387/kWh \$0.02597/kWh \$0.01847/kWh
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

N  
N  
N  
N  
D  
D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. S-23.10  
Canceling 2<sup>nd</sup> Revised Sheet No. S-23.10

---

**Large General Service, LLS, LLC and ALS, continued**

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments, AEP, revenue adjustment clause, and carbon reduction cost recovery. D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-24  
 Canceling 7<sup>th</sup> Revised Sheet No. S-24

**CLASS OF SERVICE: Large General Service, Base Use at Primary Voltage  
 Price Schedules LPS, LPC and APS**

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at primary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$200.00	\$200.00
<b>Demand Charge</b> times kW of measured demand for customers with primary metering, but not less than 200 kW	\$6.26/kW	\$5.59/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.49/kVAR	\$0.49/kVAR
<b>Energy Charge:</b> First 250 hours x kW of demand Next 150 hours x kW of demand Over 400 hours x kW of demand	\$0.03737/kWh \$0.02567/kWh \$0.01827/kWh	\$0.03337/kWh \$0.02567/kWh \$0.01827/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

N  
 N  
 N  
 N  
 D  
 D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. S-24.10  
Canceling 2<sup>nd</sup> Revised Sheet No. S-24.10

---

**Large General Service, LPS, LPC, and APS, continued**

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**TRANSFORMER OWNERSHIP CREDIT:** Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of billing demand.

**MINIMUM BILL:** The service charge plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, revenue adjustment clause, and carbon reduction cost recovery. D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. S-25  
 Canceling 6<sup>th</sup> Revised Sheet No. S-25

**CLASS OF SERVICE: Large General Service with Electric Space Heating at Secondary Voltage - Price Schedule LES**

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, in combination with general electric service required on premises by customer, electric space heating which is permanently installed as the preponderant source of heat; subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$125.00	\$125.00
<b>Demand Charge</b> times kW of measured demand for customers with demand meters, but not less than 200 kW	\$6.39/kW	\$4.20/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.50/kVAR	\$0.50/kVAR
<b>Energy Charge:</b> First 250 hours x kW of demand Next 150 hours x kW of demand Over 400 hours x kW of demand	\$0.03807/kWh \$0.02607/kWh \$0.01857/kWh	\$0.02407/kWh \$0.02207/kWh \$0.01857/kWh
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

N  
 N  
 N  
 N  
 D  
 D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. S-25.10  
Canceling 2<sup>nd</sup> Revised Sheet No. S-25.10

---

**Large General Service, LES, continued**

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**CAPACITY LIMIT:** The amount of installed heating capacity shall be determined in accordance with current recognized standard practices in the industry. The actual installed capacity (in excess of 1,500 watts) shall not exceed by more than 15% the amount of capacity so determined.

**MINIMUM BILL:** The service charge plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments, AEP, revenue adjustment clause, and carbon reduction cost recovery. D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-26  
 Canceling 7<sup>th</sup> Revised Sheet No. S-26

**CLASS OF SERVICE: Large General Service with Electric Space Heating at Primary Voltage Price Schedule LHS**

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, in combination with general electric service required on premises by customer, electric space heating which is permanently installed as the preponderant source of heat; subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at primary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$200.00	\$200.00
<b>Demand Charge</b> times kW of measured demand for customers with primary metering, but not less than 200 kW	\$6.26/kW	\$4.12/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.49/kVAR	\$0.49/kVAR
<b>Energy Charge:</b> First 250 hours x kW of demand Next 150 hours x kW of demand Over 400 hours x kW of demand	\$0.03747/kWh \$0.02577/kWh \$0.01837/kWh	\$0.02377/kWh \$0.02177/kWh \$0.01837/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
 N  
 N  
 N  
 D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. S-26.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. S-26.10

**Large General Service, LHS, continued**

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**CAPACITY LIMIT:** The amount of installed capacity shall be determined in accordance with current recognized standard practices in the industry. The actual installed capacity (in excess of 1,500 watts) shall not exceed by more than 15% the amount of capacity so determined.

**TRANSFORMER OWNERSHIP CREDIT:** Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of billing demand.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-26.20  
Canceling Original Sheet No. S-26.20

---

**Large General Service, LHS, continued**

**MINIMUM BILL:** The service charge plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, revenue adjustment clause, D/N and carbon reduction cost recovery.

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-27  
 Canceling 7<sup>th</sup> Revised Sheet No. S-27

**CLASS OF SERVICE    Large General Service, Base Use at Transmission Voltage  
 Price Schedules LXS and AXS**

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at transmission voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$1,200.00	\$1,200.00
<b>Demand Charge</b> times kW of measured demand		
First 18,000 kW of demand	\$7.00/kW	\$5.00/kW
All additional kW of demand	\$6.50/kW	\$4.50/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.50/kVAR	\$0.50/kVAR
<b>Energy Charge:</b>		
First 300 hours x kW of demand	\$0.02347/kWh	\$0.02347/kWh
Next 100 hours x kW of demand	\$0.02027/kWh	\$0.02027/kWh
Over 400 hours x kW of demand	\$0.01847/kWh	\$0.01847/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
N  
N  
N

D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. S-27.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. S-27.10

**Large General Service, LXS and AXS, continued**

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 75 percent of the highest demand similarly determined during the preceding 11 months nor less than 2,000 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, revenue adjustment clause, and carbon reduction cost recovery.

D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-28  
 Canceling 7<sup>th</sup> Revised Sheet No. S-28

**CLASS OF SERVICE: Large General Service, Time-of-Use at Secondary Voltage Price Schedule LNS/LOS**

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$125.00	\$125.00
<b>Demand Charge</b> shall be the greater of the peak demand charge or the off-peak demand charge. Peak Demand Charge: per kW for the first 600 kW of peak demand per kW for the next 10,400 kW of peak demand per kW for all additional kW of peak demand  Off-Peak Demand Charge: per kW for all off peak demand	\$13.70/kW \$11.44/kW \$10.15/kW  \$5.72/kW	\$11.93/kW \$9.68/kW \$8.59/kW  \$5.72/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.50/kVAR	\$0.50/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for all kWh delivered in peak hours  Off-Peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.02177/kWh  \$0.01687/kWh	\$0.02177/kWh  \$0.01687/kWh
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
N  
N  
N  
D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. S-28.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. S-28.10

**Large General Service, LNS/LOS** , continued

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW. The peak and off-peak period demands shall be the kW, similarly determined, for each time-of-use period.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), plus the tax, energy efficiency cost recovery adjustments, AEP, revenue adjustment clause, and carbon reduction cost recovery.

D/N

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. S-28.20

---

**Large General Service, LNS/LOS, continued**

**TIME-OF-USE PERIODS:**

Peak Periods: All time occurring after 9:00 a.m., but before 10:00 p.m. each weekday, Monday through Friday, excluding specified holidays.

Off-Peak Periods: All hours not designated as on-peak hours.

Specified Holidays:

New Year's Day  
Memorial Day  
Independence Day  
Labor Day  
Thanksgiving Day  
Christmas Day



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-29  
 Canceling 7<sup>th</sup> Revised Sheet No. S-29

**CLASS OF SERVICE: Large General Service, Time-of-Use at Primary Voltage  
 Price Schedule LVS/LRS**

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at primary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	Summer	Winter
<b>Service Charge</b> per meter	\$200.00	\$200.00
<b>Demand Charge</b> shall be the greater of the peak demand charge or the off-peak demand charge. Peak Demand Charge: per kW for the first 600 kW of peak demand per kW for the next 10,400 kW of peak demand per kW for all additional kW of peak demand  Off-Peak Demand Charge: per kW for all off-peak demand	\$13.43/kW \$11.21/kW \$9.95/kW  \$5.61/kW	\$11.69/kW \$9.49/kW \$8.42/kW  \$5.61/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.49/kVAR	\$0.49/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for all kWh delivered in peak hours  Off-peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.02147/kWh  \$0.01667/kWh	\$0.02147/kWh  \$0.01667/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
N  
N  
N  
D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. S-29.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. S-29.10

**Large General Service, LVS/LRS** , continued

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW. The peak and off-peak period demands shall be the kW, similarly determined, for each time-of-use period.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, revenue adjustment clause, and carbon reduction cost recovery.

D/N

**TRANSFORMER OWNERSHIP CREDIT:** Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of billing demand.

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. S-29.20

---

**Large General Service, LVS/LRS, continued**

**TIME-OF-USE PERIODS:**

Peak Periods: All time occurring after 9:00 a.m., but before 10:00 p.m. each weekday, Monday through Friday, excluding specified holidays.

Off-Peak Periods: All hours not designated as on-peak hours.

Specified Holidays:

New Year's Day  
Memorial Day  
Independence Day  
Labor Day  
Thanksgiving Day  
Christmas Day



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

8<sup>th</sup> Revised Sheet No. S-30  
 Canceling 7<sup>th</sup> Revised Sheet No. S-30

**CLASS OF SERVICE: Large General Service Time-of-Use at Transmission Voltage  
 Price Schedule LXP/LXO**

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer where permanent time-of-use metering is installed, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Applicable to standby or supplementary service (under written agreement only) in conjunction with applicable Company riders for such service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at transmission voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$1,200.00	\$1,200.00
<b>Demand Charge</b> shall be the greater of the peak demand charge or the off-peak demand charge. Peak Demand Charge: per kW for the first 600 kW of peak demand per kW for the next 10,400 kW of peak demand per kW for all additional kW of peak demand  Off-Peak Demand Charge: per kW for all off-peak demand	\$13.15/kW \$10.98/kW \$9.74/kW  \$5.49/kW	\$11.45/kW \$9.29/kW \$8.25/kW  \$5.49/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.48/kVAR	\$0.48/kVAR
<b>Energy Charge:</b> Peak Energy Charge: per kWh for all kWh delivered in peak hours  Off-Peak Energy Charge: per kWh for all kWh delivered in off-peak hours	\$0.02127/kWh  \$0.01657/kWh	\$0.02127/kWh  \$0.01657/kWh
<b>Transformer Ownership Credit</b>	\$0.30/kW	\$0.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		

N  
N  
N  
D



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

3<sup>rd</sup> Revised Sheet No. S-30.10  
 Canceling 2<sup>nd</sup> Revised Sheet No. S-30.10

**Large General Service, LXP/LXO** , continued

PRICES, continued:	Summer	Winter
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW. The peak and off-peak period demands shall be the kW, similarly determined, for each time-of-use period.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, revenue adjustment clause, and carbon reduction cost recovery.

D/N

**TRANSFORMER OWNERSHIP CREDIT:** Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of billing demand.

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. S-30.20

---

**Large General Service, LXP/LXO, continued**

**TIME-OF-USE PERIODS:**

Peak Periods: All time occurring after 9:00 a.m., but before 10:00 p.m. each weekday, Monday through Friday, excluding specified holidays.

Off-Peak Periods: All hours not designated as on-peak hours.

Specified Holidays:

New Year's Day  
Memorial Day  
Independence Day  
Labor Day  
Thanksgiving Day  
Christmas Day



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. S-31  
 Canceling 6<sup>th</sup> Revised Sheet No. S-31

**CLASS OF SERVICE: Large General Service, Interruptible Time-of-Use at Primary Voltage for Iron Foundry - Price Schedule LCL**

**AVAILABLE:** Applicable in all of the Company's service territory (South System only).

**APPLICABLE:** At the option of the customer, to all electric service required on premises by customer for iron foundry operations of not less than 9,000 kW which include arc furnaces of not less than 6,000 kW, provided customer demonstrates a continuing ability and willingness to interrupt a portion of the load during curtailment periods by 30 percent or more from a normal operating level, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Not applicable to standby, supplementary, or temporary service.

**CHARACTER:** Alternating current: 60 Hz; single or three phase, at primary voltages offered by the Company, as further described in the Company's Electric Service Policies and Electric Rate Application.

<b>PRICES:</b>	<b>Summer</b>	<b>Winter</b>
<b>Service Charge</b> per meter	\$200.00	\$200.00
<b>Demand Charge</b> times kW of measured demand for customers with demand meters, but not less than 9,000 kW	\$6.26/kW	\$5.59/kW
<b>Curtailment Credit:</b> per kW for all kW of interrupted load	\$3.13/kW	\$2.80/kW
<b>Reactive Demand Charge</b> per kVAR of reactive demand in excess of 50% of billing demand	\$0.49/kVAR	\$0.49/kVAR
<b>Energy Charge:</b> For the first 300 hours per kW of demand in on-peak hours: First 200,000 kWh All additional kWh For next 100 hours per kW of demand in on peak hours For all additional kWh delivered in on-peak hours For kWh delivered in off-peak hours	  \$0.03737/kWh \$0.03737/kWh \$0.02567/kWh \$0.01827/kWh \$0.01827/kWh	  \$0.03337/kWh \$0.03337/kWh \$0.02567/kWh \$0.01827/kWh \$0.01827/kWh
<b>Transformer Ownership Credit</b>	\$.30/kW	\$.30/kW
<b>Tax Adjustment:</b> Subject to the Tax Adjustment. See Sheet No. C-2.		
<b>AEP and Energy Efficiency Cost Recovery Adjustments:</b> These will appear as charges to the bill. They are calculated on a per kWh basis. See Sheet Nos. C-1 and C-3 for more details.		

L



**Large General Service, LCL, continued**

PRICES, continued:	Summer	Winter
<b>Revenue Adjustment Clause:</b> The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.		
<b>Rider CR Carbon Reduction Cost Recovery:</b> This is calculated on a per kWh basis. See Sheet No. B-5 for more details.		

N  
N  
N  
D  
D

**DEMAND:** The kW as shown by or computed from the readings of the Company's demand meter for the 30-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 9,000 kW.

**REACTIVE DEMAND:** The kVAR as shown by or computed from the readings of the Company's reactive demand meter, determined to the nearest kilovar. The customer is not billed for reactive demand unless the customer's power factor is less than 89.44% lagging, equivalent to situations where kVAR of reactive demand exceed 50 percent of billing demand. The power factor will be based on the highest kW demand and kVAR demand for the billing period.

**SEASONAL PROVISION:** Summer and winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**MINIMUM BILL:** The service charge plus the highest summer demand during the past 12 months multiplied by the demand charge, plus the cost of fuel (including amounts in base prices plus amounts in the energy cost adjustment), less the transformer ownership credit, plus the tax, energy efficiency cost recovery adjustments, AEP, revenue adjustment clause, and carbon reduction cost recovery.

D/N

**INTERRUPTED LOAD:** The difference between (1) the demand, as defined above, and (2) the kW similarly determined for customer's greatest use during the curtailment periods which the Company has established during the 12 months ending with the current month. If no curtailment periods have been established during the 12-month period, the interrupted load will be one-half of the demand.

**TRANSFORMER OWNERSHIP CREDIT:** Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit of \$0.30 per kW of billing demand.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. S-31.20  
 Canceling First Revised Sheet No. S-31.20

**Large General Service, LCL, continued**

**TAX ADJUSTMENT:** This rate is subject to the Tax Adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added

L  
L  
L  
L  
L  
L  
L

**CURTAILMENT PERIODS:** The Company may establish a curtailment period by providing oral notice to the customer that curtailment is required, whenever, at the Company's discretion, such curtailment may be appropriate.

If a curtailment is to be ordered for the purpose of limiting costs related to peak system loads, the Company may establish the curtailment period by giving 30-minute notice to the customer, provided the customer was alerted to the possibility of curtailment 12 or more hours prior to the beginning of the curtailment period. Otherwise, the customer may require the Company to provide two-hour notice for the purpose of limiting the Company's costs.

If a curtailment is to be ordered because of operating conditions, the Company will endeavor to provide as much advance notice as practicable under the circumstances, but may establish the curtailment period immediately upon notice. The curtailment period shall continue until the Company has provided specific notice of its termination.

**ON-PEAK AND OFF-PEAK HOURS:**

**On-Peak Hours:** All hours occurring after 12:00 p.m., but before 8:00 p.m. each day, Monday through Friday, excluding specified holidays.

**Off-Peak Hours:** All hours not designated as on-peak hours. Provided, that the Company may, at its sole discretion, temporarily redesignate all or portions of the on-peak hours on such dates as it specifies, as off-peak hours during which the customer may undertake operations intended to increase monthly production of its foundry.

**Specified Holidays:**  
 New Year's Day  
 Memorial Day  
 Independence Day  
 Labor Day  
 Thanksgiving Day  
 Christmas Day



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. S-32 thru S-37

---

RESERVED FOR FUTURE USE.



---

**CLASS OF SERVICE:**     **Lighting Services**  
                                  **Street-Area-Security-Customer Owned**

**AVAILABLE:** To all electric customers located in the South System.

**SERVICES PROVIDED:**

A) Energy Only Service - Customer Owned Systems

Customer owned systems must be complete with standards, luminaries with glassware, lamps, and photo controls, together with all necessary cable extending between standards and to points of connection to Company's facilities as designated by the Company. The electrical connection at the point of delivery shall be made by the Company. Customer owned systems must meet all appropriate electric codes.

The Company will furnish all electrical energy necessary to operate the lighting system(s). Unmetered systems will be controlled by photoelectric cells so that estimates of energy use can be calculated using the rate sheets.

The Company will, if requested by the customer, furnish personnel, materials, tools, and equipment for the purpose of maintaining, repairing, or replacement of customer owned lighting systems. The customer shall reimburse the Company for all costs properly and reasonably incurred therefore upon receipt and verification of an itemized invoice or statement. A maintenance contract on a per-lamp basis may also be available where applicable.

When a customer owned system does not meet Company standards and specifications at the time of installation, it will be the customer's responsibility to have and maintain an inventory of all parts for repair. This will fall under contracted services.

B) Total Lighting Service - Company Owned System

- (1) The Company shall install, own, operate, and maintain the lighting system. The type and kind of system will be in accordance with Company standards and specifications.
- (2) Where Company owned facilities are located on customer's property, the customer will provide reasonably safe and convenient access to its facilities for Company personnel and equipment for the purpose of maintenance and inspection. Property owners may be required to grant the necessary easements for the lighting system(s) prior to the installation of the system(s).



---

C) Bridge Lighting N

The customer will be responsible for installing, owning and maintaining the foundation, anchor bolts, and conduit for lighting on bridges. The design and construction must meet the applicable state and local codes. The location and size of the customer-owned bridge lighting facilities shall be approved by the Company prior to such construction. The customer will be assigned the applicable Company-owned metal overhead pole street lighting rate. All general terms and conditions of Lighting Services shall be applicable to this service. N  
N  
N  
N  
N  
N  
N

The lighting rate assigned to the customer will cover standard street light maintenance. All incremental maintenance costs associated with bridge lighting will be directly billed to and paid for by the customer. Incremental maintenance costs are intended to include maintenance costs that are not part of normal routine maintenance under services provided under applicable street light tariffs. Incremental maintenance costs shall include, but not be limited to, costs for additional safety measures, overtime pay if maintenance is required to be performed outside of normal business hours, cost of contract crews if needed to utilize special equipment to provide maintenance services, and costs of local and state assistance such as from law enforcement or transportation officials. In addition, the costs related to additional insurance coverage specifically related to such work will be billed to the customer. N  
N  
N  
N  
N  
N  
N  
N  
N  
N



---

**CLASS OF SERVICE:    Lighting Services (Continued)**  
**Street-Area-Security-Customer Owned**

D) General Terms and Conditions Applicable to A), B) and C) above:

- 1) Service will be rendered under the Company's Service Rules and Regulations.
- 2a) Maintenance of lighting equipment will be done only during normal working hours within a reasonable period following notification by the customer of the need for such maintenance.
- 2b) Towers and underground conductors: Including protective devices, mounting rings and lowering devices will be replaced or maintained by the Company at customer's expense. Transformers will be provided and maintained at Company's expense, provided customer's electrical system is designed and constructed to Company's specifications.
- 2c) Fixtures: Maintenance or replacement will be at customer's expense except for repair or replacement of broken glassware, lamp sockets or other parts of minor cost. Mercury vapor lights shall be replaced with high pressure sodium lights at no cost to the customer.
- 2d) Lamp Replacement: All lamps on a tower will be replaced on a routine basis when more than half of the lamps on that tower have failed, or when customer requests lamp replacement. If the interval between replacements is less than the period listed above, the cost of replacing the lamps, including lamp cost, will be at customer's expense, provided, however, that if all lamps on all towers at the intersection are replaced at the same time, the cost of replacement will be shared by customer and Company pro rata based upon the time remaining to scheduled replacement.
- 3) When additional lights are requested by the customer, such additional installations will be made by the Company upon receipt of a written order or signed contract from the customer.
- 4) The Company reserves the right to remove any fixture or fixtures in any location that has continuous vandalism.
- 5) Lighting units shall be illuminated from dusk to dawn as controlled by photoelectric controls. A total estimated time of 4200 hours annually.
- 6) Distribution to all lighting system(s) will be provided in accordance with the Company's electric extension policy that is in effect at the time of installation.

N  
N



---

**CLASS OF SERVICE: Lighting Services (Continued)**  
**Street-Area-Security-Customer Owned**

- 7) The customer shall pay for all costs for relocation or removal of any part of a lighting system(s) when requested by the customer.

The cost will be based on:

- a) work order cost, plus
  - b) remaining life value, plus
  - c) any salvage credit.
- 8) At the customer's request, the Company will temporarily discontinue service to Company-owned luminaries provided the customer pays a charge equal to the all night price adjusted to zero burning hours, plus the labor to disconnect and reconnect.
- 9) The Company shall be permitted to enter the customer's premises at all reasonable times for the purpose of inspection, maintenance, and removal of its equipment and facilities.
- 10) The Company will only maintain any lighting standard (customer owned) under 37 feet total height.

E) Term of Contract

T

- 1) Minimum 2 year contract on all lighting system(s). The first 24 months will include installation and usage costs. Subsequent months will contain only a minimum maintenance and energy cost. (All government accounts excluded.)
- 2) If the contract is cancelled before the expiration date, the customer will be billed for the remaining time of the contract.
- 3) Once the contract period has been met, the contract may be continued by 30 day periods until written notice has been given by either party to the other.
- 4) If the Company is required to relocate the pole upon which any rental unit or units is attached, the customer may cancel the lighting agreement for that unit or units with no penalties or additional billing.



**CLASS OF SERVICE:    Lighting Services (Continued)**  
**Street-Area-Security-Customer Owned**

F) Buy Down Option

- 1) The customer would pay (up front) installation costs based on the W.O. costs of a steel/fibre pole U.G. system(s). This would allow customers to pay the wood pole overhead monthly price for like size and kind of fixture.
- 2) In addition to the above, all ornamental and decorative fixtures are subject to a replacement surcharge based on replacement cost of existing system.

Monthly Billing: Metered lighting will follow normal reading cycles and billing periods. Non-metered lighting will follow the same cycles and billing periods with this exception: non-metered lighting will be billed for monthly payments adjusted by the burning hours factor regardless of the number of days in the billing period.

Tax Adjustment: This rate is subject to the Tax Adjustment; see Sheet No. C-2.

AEP and Energy Efficiency Cost Recovery Adjustments: The prices charged through the AEP and energy efficiency cost recovery adjustments are shown on Sheet Nos. C-1 and C-3. The purpose is to recover the amount of expenditures and related costs approved by the Iowa Utilities Board associated with AEPs and the Company's energy efficiency programs.

CNS Capital Additions Tracker: The price charged through the CNS capital additions tracker is shown on Sheet C-4. The purpose is to achieve revenue-neutral adjustments in rate levels.

Carbon Reduction Cost Recovery: The price charged through the carbon reduction cost recovery is shown on Sheet No. B-5.10. The purpose is to recover costs incurred for analyses and preparations for the possible construction of nuclear generating facilities in Iowa.

Revenue Adjustment Clause: The price charged through the revenue adjustment clause is shown on Sheet No. C-9. The purpose is to recover costs as defined in the revenue adjustment clause.

N  
N  
N  
  
D  
  
D

Payment: Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7th Revised Sheet No. S-38.40  
 Canceling 6th Revised Sheet No. S-38.40

**SOUTHERN DISTRICT**

**Street Lighting**

**HPS Lights**

	<u>Price Code</u>	<u>Size</u>	<u>Type</u>	<u>Description</u>	<u>Use per month (KWH)</u>	<u>Pricing</u>	
1)	HEA	70W	HPS	Energy-only	33	\$1.28	
	HMA	70W	HPS	Customer-owned	33	\$5.61	
	HWA	70W	HPS	Company WP	33	\$8.78	
	HSA	70W	HPS	Company MP	33	\$11.90	
	HUA	70W	HPS	Company MP	33	\$18.93	
2)	HEB	100W	HPS	Energy-only	47	\$1.82	
	HMB	100W	HPS	Customer-owned	47	\$6.28	
	HWB	100W	HPS	Company WP	47	\$9.63	
	HSB	100W	HPS	Company MP	47	\$12.75	
	HUB	100W	HPS	Company MP	47	\$19.77	
	HTB	100W	HPS	Company MP TW	47	\$14.70	
3)	HEC	150W	HPS	Energy-only	68	\$2.64	
	HMC	150W	HPS	Customer-owned	68	\$7.10	
	HWC	150W	HPS	Company WP	68	\$11.27	
	HSC	150W	HPS	Company MP	68	\$14.39	
	HUC	150W	HPS	Company MP	68	\$26.35	
	HTC	150W	HPS	Company MP TW	68	\$18.80	
	HVC	150W	HPS	Company MP-Deco	68	\$33.93	N
	HXC	150W	HPS	Company FP-Deco	68	\$18.22	N
4)	HED	200W	HPS	Energy-only	102	\$3.95	
5)	HEF	250W	HPS	Energy-only	108	\$4.19	
	HMF	250W	HPS	Customer-owned	108	\$9.24	
	HWF	250W	HPS	Company WP	108	\$16.70	
	HSF	250W	HPS	Company MP	108	\$21.44	
	HUF	250W	HPS	Company MP	108	\$31.86	
	HTF	250W	HPS	Company MP TW	108	\$24.30	
	HVF	250W	HPS	Company MP-Deco	108	\$40.83	N
	HXF	250W	HPS	Company FP-Deco	108	\$22.48	N
6)	HEG	400W	HPS	Energy-only	165	\$6.40	
	HMG	400W	HPS	Customer-owned	165	\$12.19	
	HVG	400W	HPS	Tower Lights	165	\$14.10	
	HWG	400W	HPS	Company WP	165	\$19.49	
	HSG	400W	HPS	Company MP	165	\$24.24	
	HUG	400W	HPS	Company MP	165	\$34.57	
	HTG	400W	HPS	Company MP TW	165	\$27.04	
7)	HEH	1000W	HPS	Energy-only	384	\$14.88	



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet No. S-38.41

---

**MH Lights**

1)	MHB	100W	MH	Energy-only	47	\$1.82
2)	MHC	150W	MH	Energy-only	68	\$2.64
3)	MHF	250W	MH	Energy-only	108	\$4.19
4)	MHG	400W	MH	Energy-only	165	\$6.40



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

4th Revised Sheet No. S-38.50  
 Canceling 3rd Revised Sheet No. S-38.50

**SOUTHERN DISTRICT**

**Street Lighting**

**MV Lights**

	<u>Price Code</u>	<u>Size</u>	<u>Type</u>	<u>Description</u>			<u>Use per month (KWH)</u>	<u>Pricing</u>	
1)	MED	175W	MV	Energy-only			75	\$2.91	N
	MMD	175W	MV	Customer-owned			75	\$5.75	
	MWD	175W	MV	Company	WP	OH	75	\$7.87	
	MSD	175W	MV	Company	MP	OH	75	\$11.52	
	MUD	175W	MV	Company	MP	UG	75	\$17.65	
2)	MEF	250W	MV	Energy-only			104	\$4.03	N
	MMF	250W	MV	Customer-owned			104	\$6.35	
	MWF	250W	MV	Company	WP	OH	104	\$9.76	
	MUF	250W	MV	Company	MP	UG	104	\$18.85	
	MTF	250W	MV	Company	MP	TW UG	104	\$14.27	
3)	MEG	400W	MV	Energy-only			163	\$6.32	N
	MMG	400W	MV	Customer-owned			163	\$7.92	
	MWG	400W	MV	Company	WP	OH	163	\$12.32	
	MSG	400W	MV	Company	MP	OH	163	\$15.05	
	MUG	400W	MV	Company	MP	UG	163	\$25.76	
	MTG	400W	MV	Company	MP	TW UG	163	\$19.68	
4)	MWH	700W	MV	Company	WP	OH	274	\$18.02	
	MUH	700W	MV	Company	MP	UG	274	\$30.28	
	MTH	700W	MV	Company	MP	TW UG	274	\$25.48	
5)	MMH	1000W	MV	Customer-owned			385	\$16.63	
	MUI	1000W	MV	Company	MP	UG	385	\$34.61	



MIDAMERICAN ENERGY COMPANY

4th Revised Sheet No. S-38.60  
 Canceling 3rd Revised Sheet No. S-38.60

Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

**SOUTHERN DISTRICT**

**Private Lighting**

**HPS Lights**

<u>Former</u>	<u>Res</u>	<u>Com</u>	<u>Size</u>	<u>Type</u>	<u>Description</u>	<u>Billed Use Per Month (KWH)</u>	<u>Prices</u>	
125/225	PXA	SXA	70W	HPS	1st 2 Years	33	\$11.06	
126/226	P2A	S2A	70W	HPS	1st 2 Years W/Pole	33	\$20.17	
127/128 & 227/228	PRA	SRA	70W	HPS	After 2 years	33	\$2.51	
	PEA	CEA	70W	HPS	Energy-only	33	\$1.28	N
	PEB	CEB	100W	HPS	Energy-only	47	\$1.82	N
	PCB	CCB	100W	HPS	Company	47	\$9.63	N
	PEC	CEC	150W	HPS	Energy-only	68	\$2.64	N
	PCC	CCC	150W	HPS	Company	68	\$11.27	N
	PED	CED	250W	HPS	Energy-only	108	\$4.19	N
	PCD	CCD	250W	HPS	Company	108	\$16.70	N
241		FXG	400W	HPS	No Pole	165	\$18.92	
242		F2G	400W	HPS	With Wood Pole	165	\$27.71	
	PEE	CEE	400W	HPS	Energy-only	165	\$6.40	N
243		FXI	1000W	HPS	No Pole	384	\$30.12	
244		F2I	1000W	HPS	With Wood Pole	384	\$38.81	
	PEF	CEF	1000W	HPS	Energy-only	384	\$14.88	N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet Nos. S-39 & S-40

---

RESERVED FOR FUTURE USE.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. S-41  
 Canceling 6<sup>th</sup> Revised Sheet No. S-41

**CLASS OF SERVICE:**            **Other Electric Service to Public Authorities - Water Pumping**  
**Price Schedule ABS**

**AVAILABLE:**    In the Company's South System.

**APPLICABLE:** To all electric service required for water and sewage pumping and treatment plants, by municipal, county, state and federal governments or agencies, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Not applicable to standby, supplementary, or temporary service.

**CHARACTER:** Alternating current; 60 Hz, single or three phase, at nominal voltages offered by the Company, as further described in Company's Electric Service Policies and Electric Rate Application.

**PRICE:**

Service Charge:            \$10.00 per month

Energy Charge:            (Subject to AEP and energy efficiency cost recovery adjustment, see Sheet Nos. C-1 and C-3; carbon reduction cost recovery, see Sheet No. B-5.10; and revenue adjustment clause, see Sheet No. C-9.)

D/N  
 N

Summer Price

Winter Price

\$0.06557

\$0.05967 per kWh for all kWh

**SEASONAL PROVISION:** Summer and Winter periods are defined as: Summer, June through September billing periods; and Winter, October through May billing periods.

**TAX ADJUSTMENT:** This price is subject to the tax adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion thereof that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

7<sup>th</sup> Revised Sheet No. S-42  
 Canceling 6<sup>th</sup> Revised Sheet No. S-42

**CLASS OF SERVICE: Other Electric Service to Public Authorities - Traffic Controls  
 Price Schedule ATS**

**AVAILABLE:** In the Company's South System.

**APPLICABLE:** To all electric service required for traffic control signals and flashers by municipal, county, state and federal governments or agencies, subject to applicable terms and conditions of the Company's Electric Service Policies and Electric Rate Application. Not applicable to standby, supplementary, or temporary service.

**CHARACTER:** Alternating current; 60Hz, single phase, 120v, or 120/240v, or 120/208v, as further described in Company's Electric Service Policies and Electric Rate Application.

**PRICE:**

Service Charge: \$8.50 per month

Energy Charge: (Subject to AEP and energy efficiency cost recovery adjustment, see Sheet Nos. C-1 and C-3; carbon reduction cost recovery, see Sheet No. B-5.10; and revenue adjustment clause, see Sheet No. C-9.)

D/N  
 N

\$0.04017 per kWh for all kWh

**TAX ADJUSTMENT:** This price is subject to the tax adjustment; see Sheet No. C-2.

**PAYMENT:** Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion thereof that remains unpaid after each subsequent month, shall be added.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Original Sheet Nos. S-43 & S-44

---

RESERVED FOR FUTURE USE.



**CLASS OF SERVICE:** Rider No. 1 to Electric Large General Service - Standby and Supplementary Service

**PRICE SCHEDULES:** Same as applicable price schedules.

**AVAILABLE:** By written contract, in the North and South Systems of the Company's electric service area.

**APPLICABLE:** To standby and supplementary electric service to a customer's, installation normally supplied wholly or partially by a source of power, either electrical or mechanical, other than the Company's electric system. Operation of such other source of power in parallel with Company's system will be permitted only for qualifying cogenerator and small power producer facilities or for qualifying alternate energy producers and small hydro facilities, as defined by the Public Utilities Regulatory Policies Act of 1978 or by applicable laws of the State of Iowa. Standby and supplemental service will be supplied under this rider in conjunction with Large General Service Price Schedules, but for not more than 10,000 kW.

**NET MONTHLY RATE:** Charges for service hereunder will be at the prices specified in the price schedules to which this Rider is applicable, subject to the following additions and modifications:

Standby Service Charge:

<u>Summer Price</u>	<u>Winter Price</u>
\$1.55	\$1.15 per kW for all kW of Standby Capacity

Tax Adjustment: This rate is subject to the Tax Adjustment; see Sheet No. C-2.

Minimum Bill: The sum of (1) the service charge, (2) the demand charge calculated at the rate for the current season for the greatest demand established for any month during the twelve months ending with the current month as further defined herein, and (3) the standby charge based upon the difference, if any, between the customer's reserved capacity and the demand used in determining the demand charge portion of the minimum bill hereunder. The demand used in determining the demand charge portion of the minimum bill shall exclude demands established during periods which the Company has explicitly designated for delivery of economy replacement energy and in which customer has conformed to the limits specified for such energy, and shall exclude the portion of any established demand which is attributable to service provided for a coordinated scheduled outage, but in no event shall be less than the minimum billing demand specified by the price schedule to which this Rider is applicable.



---

**Rider No. 1 to Electric Large General Service - Standby and Supplementary Service (con't)**

**Standby Capacity:** The kW of capacity which is available to customer to serve the portion of customer's load which is supplied by a source of power other than the Company's electric system and which may be placed upon the Company's system at the discretion of the customer. Standby capacity shall be determined as the difference between the reserved capacity and the greatest of (1) the greatest load which is actually placed upon the Company's system in the current month excluding demands established during periods which the Company has explicitly designated for delivery of economy replacement energy and in which the customer has conformed to the limits specified for such energy; or (2) the load as otherwise specified for the minimum bill. The non-coincident difference shall be used where reserved capacity is determined by continuing measurements.

**Reserved Capacity:** The capacity which the Company is to provide for customer's use, including capacity for standby service and capacity for current delivery of power and energy. The reserved capacity for the current month shall be the greater of (1) a quantity mutually agreed upon in writing by customer and Company, or (2) the greatest load which customer has actually placed upon the Company's system during the 12 months ending with the current month, excluding loads during periods which the Company has explicitly designated for delivery of economy replacement energy in which customer has conformed to the limits specified for such energy.

Provided, however, within 90 days following the date on which customer has actually placed a load upon the Company's system which is greater than the quantity mutually agreed upon, excluding loads during periods which the Company has explicitly designated for delivery of economy replacement energy in which customer has conformed to the limits specified for such energy, Company may provide written notice to customer that the reserved capacity previously mutually agreed upon does not adequately represent customer's apparent requirements, and request that the parties enter into negotiations to specify by a new mutual agreement a revised quantity for the reserved capacity. In the event the parties do not reach a new mutual agreement within 90 days following the date of the notice, the reserved capacity for the current month shall thereafter be the greater of (1) the quantity previously mutually agreed upon by customer and Company, (2) the greatest load which customer has actually placed upon the Company's system during the 12 months ending with the current month, excluding loads during periods which the Company has explicitly designated for delivery of economy replacement energy in which customer has conformed to the limits specified for such energy, or (3) the greatest load which customer has actually placed upon the Company's system after 90 days following the date of the notice, unless subsequently modified by mutual agreement of the parties.

Company and customer may, by mutual consent, increase or decrease the reserved capacity. However, the Company shall be under no obligation to provide greater capacity without reasonable notice to permit necessary modifications to its system, and shall be under no obligation to agree to a lower specification until the customer demonstrates to the Company's satisfaction that the total load customer will place upon the Company's system is less than the currently effective reserved capacity.



---

**Rider No. 1 to Electric Large General Service - Standby and Supplementary Service (con't)**

**Demand:** The kW as shown by or computed from the readings of the Company's demand meter for the 15-minute period of customer's greatest use during the month, determined to the nearest kW, but not less than the minimum billing demand specified by the price schedule to which this Rider is applicable, provided that demands established during the periods which Company has explicitly designated for delivery of economy replacement energy and in which customer has conformed to the limits specified for such energy will be excluded.

**Economy Replacement Energy:** Company may, at its sole discretion, designate periods during which customer may take increased amounts of energy from Company as a replacement for energy which customer would normally supply from its alternate source. Company may establish limits to the rate of flow and amount of energy available to customer during any such designated period. Economy replacement energy will be billed in combination with other energy delivered to customer during the billing period under the applicable prices, with no increase in demand for billing purposes because of such economy replacement energy delivery provided customer has conformed to the limits specified.

**Scheduled Outage Coordination:** Company and customer may coordinate the planning and the determining of a schedule for performance of periodic maintenance of customer's facilities, such maintenance normally to be scheduled during the months of October through May. The loads placed upon the Company's system by customer during the term of the agreed schedule for maintenance of customer's facilities shall be used in determining the charges for the current period's service, but the portion of such loads attributable to the equipment scheduled for maintenance, up to but not exceeding the reserved capacity, shall not be used in determining the minimum bill for subsequent periods. Company may require the customer to provide six months or more notice of its proposed schedule for periodic maintenance. The term of the agreed schedule may thereafter be extended only with the consent of the Company in response to customer's request received prior to the scheduled end of the maintenance period.

**FACILITIES COSTS:** Company shall be reimbursed by the customer for costs which are incurred, or which have been previously incurred, in providing facilities which are used principally or exclusively in supplying service for any portion of the customer's requirements which are to be normally supplied from a source of power other than the Company's electric system.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

8th Revised Sheet No. S-46  
Canceling 7th Revised Sheet No. S-46

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

4th Revised Sheet No. S-46.10  
Canceling 3rd Revised Sheet No. S-46.10

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

5th Revised Sheet No. S-46.20  
Canceling 4th Revised Sheet No. S-46.20

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2nd Revised Sheet No. S-46.50  
Canceling 1st Revised Sheet No. S-46.50

---

**RESERVED FOR FUTURE USE.**

N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. S-46.70  
Canceling Original Sheet No. S-46.70

---

## RIDER NO. 12 SHORT TERM INTERRUPTIBLE ENERGY SERVICE

---

**Available:** To any South System customer willing to interrupt a minimum of 2 MW when requested. T

**Rate and Terms:** The Company may invite voluntary interruptions from time to time by customers served under the Rider. It is anticipated that this will occur when interruptions will allow the Company either to avoid costly energy purchases, or to increase sales, in the wholesale market.

The price to be paid to customers under the Rider will be negotiated prior to each request for interruption. The amount of load to be interrupted and the duration of the interruption will also be negotiated prior to each interruption.

Customers served under the Rider will be under no obligation to accept the Company's offer to participate in any interruption. However, customers also served under other interruptible / curtailment tariffs remain obligated to make any mandatory interruptions required by those tariffs.

Effective participation in the wholesale market may require interruptions by multiple customers. Therefore, the Company anticipates that it will make initial inquiries about customer willingness to interrupt prior to formally requesting such interruptions.

Customers may at any time notify the Company of their desire to be offered future opportunities to interrupt load and receive payments under the Rider, or their desire not to be notified of future interruptions.

MidAmerican shall bear no liability whatsoever for Customer's choice to reduce its retail consumption in lieu of taking such retail electric service from MidAmerican.

At the end of each billing month following an interruption, Company will determine the total amount of energy interrupted by a customer during that month. Payments will be made at the price negotiated at the time of each interruption. Customers failing to interrupt after accepting Company's offer will forfeit any such payments and may be removed from the Rider.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. S-47  
Canceling Original Sheet No. S-47

---

**RESERVED FOR FUTURE USE.**

N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1st Revised Sheet No. S-47.10  
Canceling Original Sheet No. S-47.10

---

**RESERVED FOR FUTURE USE.**

N



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 3rd Revised Sheet No. S-48  
Canceling Sub. Second Revised Sheet No. S-48

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. S-48.10  
Canceling Sub. First Revised Sheet No. S-48.10

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. S-48.20  
Canceling Sub. First Revised Sheet No. S-48.20

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. S-48.30  
Canceling Sub. First Revised Sheet No. S-48.30

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 2nd Revised Sheet No. S-48.40  
Canceling Sub. First Revised Sheet No. S-48.40

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. S-48.50  
Canceling Sub. Original Sheet No. S-48.50

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. S-48.60  
Canceling Sub. Original Sheet No. S-48.60

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. S-48.70  
Canceling Sub. Original Sheet No. S-48.70

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. 1st Revised Sheet No. S-48.80  
Canceling Sub. Original Sheet No. S-48.80

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

Sub. 2<sup>nd</sup> Revised Sheet No. S-49  
 Canceling Second Sub. First Revised Sheet No. S-49

**CONTRACT TERMS OFFERED FOR PURCHASES FROM QUALIFYING ALTERNATE ENERGY PRODUCTION (AEP) AND SMALL HYDRO FACILITIES PRICE SCHEDULE 926**

**AVAILABILITY**

This rate schedule is applicable to purchases by the Company from an Alternate Energy Production Facility or a Small Hydro Facility as such terms are defined by Section 476.42, Iowa Code. Such facilities will be referred to in this rate schedule individually as "Facility." Purchases by the Company under this rate schedule are available pursuant to a written contract entered into by the Company and the owner or operator of the Facility that is located in the Company's Iowa electric service area. The Company shall purchase 55,200 kW of AEP generating capacity and associated energy production, or such other amount as may be required by law, for its Iowa operations under this schedule. The Company is not required to enter into contracts with any Qualifying Facility with net capacity of greater than 20,000 kilowatts pursuant to the order of the Federal Energy Regulatory Commission in Docket No. QM-09-5-000 issued August 12, 2009. The Company is not required to enter into contracts with an Alternate Energy Production Facility or Small Hydro Facility with net capacity of greater than 20,000 kilowatts as long as the Company has fulfilled its obligation pursuant to Iowa Code Sections 476.43 and 476.44 to enter into long-term contracts to purchase or wheel electricity from alternate energy production facilities or small hydro facilities. For information on non-discriminatory access to markets, such Qualifying Facility, Alternate Energy Production Facility or Small Hydro Facility should contact the Midwest Independent Transmission System Operator, Inc.

N  
N  
N  
N  
N  
N  
N  
N  
N  
N  
N

**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. This rate schedule is subject to change upon approval by the Iowa Utilities Board. In addition, service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapter 45 and Section 5 of this tariff, Electric Interconnection of Distributed Generation Facilities.

T  
T  
T  
D

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

D

**METERING**

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



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Second Sub. First Revised Sheet No. S-49.10  
Canceling Original Sheet No. S-49.10

---

**CONTRACT TERMS OFFERED FOR PURCHASES FROM QUALIFYING ALTERNATE  
ENERGY PRODUCTION (AEP) AND SMALL HYDRO FACILITIES  
PRICE SCHEDULE 926 (Cont.)**

---

1. "Net Arrangement" with a single meter monitoring only the net amount of electricity sold or purchased.
2. "Simultaneous Purchase and Sale Arrangement" with one meter measuring sales to the Company and a separate meter measuring purchases from the Company; provided, however, that if the Facility selects the Simultaneous Purchase and Sale Arrangement option, the Facility is prohibited from arranging or modifying its facilities to sell back to the Company the same energy it purchased. Under this arrangement, all electricity provided by the Facility is sold to the Company at the buy-back rate, and all electricity used by the Facility is sold to the Facility at filed tariff rates.

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. The Facility shall reimburse the Company for the cost, installation, and maintenance of all metering equipment necessary for measuring and billing the electricity sold to and purchased from the Company.

**BILLING AND PAYMENT**

The Company shall provide 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.

"Monthly Service Charge:" A Monthly Service Charge of \$7.00 per month shall be paid by the Facility to the Company in order to cover recurring costs for meter reading, bill and credit calculations, and accounting and related matters. Services, other than those covered by the Monthly Service Charge, which are requested by the Facility and provided by the Company will be billed at applicable rates. The Monthly Service Charge is subject to the Tax Adjustment.

Billing by the Company shall be rendered monthly. The term "monthly" for billing purposes hereunder shall mean the period between any two consecutive regular readings by the Company for the meter(s) at the Facility, such readings to be taken as nearly as may be practicable every thirty days. The billings shall be calculated using the applicable rate(s).



MIDAMERICAN ENERGY COMPANY  
 Electric Tariff No. 1  
 Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. S-49.20  
 Canceling Sub. First Revised Sheet No. S-49.20

**CONTRACT TERMS OFFERED FOR PURCHASES FROM QUALIFYING ALTERNATE  
 ENERGY PRODUCTION (AEP) AND SMALL HYDRO FACILITIES  
 PRICE SCHEDULE 926 (Cont.)**

Bills are due within twenty days from the date the bill is rendered to the customer. Bills not paid within the twenty day period will be assessed a late payment charge. The late payment charge is equal to 1.5 percent per month of the past due amount.

Payment by the Company, if any, shall be made to the Facility within twenty days from the date the meter is read. The Company's obligation for billing and payment to the Facility for energy delivered to the Company shall not commence until the Company has provided written approval for operation.

**ADDITIONAL PROVISIONS**

**Administrative Rules:** Prior to interconnecting with the Company's electric system and at all times during continuation of such interconnection, the Facility must satisfy the requirements of Sections 476.41 through 476.45, *Iowa Code*, and 199 IAC Sections 15.10(1), 15.10(3) through 15.10(6), 15.11(1) and 199 IAC Chapter 45.

T  
 T  
 D

**Permits and Inspection Fees:** The Qualifying Facility shall secure without cost to the Company all necessary permits for the installation and operation of the electrical wiring and equipment on the Qualifying Facility's premises and to the point of interconnection. If the Qualifying Facility is not the owner of the premises, or of intervening property between the premises and the Company's lines, the Qualifying Facility shall obtain from the proper owner, or owners, the necessary easement for the installation and maintenance on said premises or such intervening property of all wiring and other electrical equipment required for sale of electricity to the Company.

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. S-49.30  
Canceling Sub. First Revised Sheet No. S-49.30

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. S-49.40  
Canceling Sub. First Revised Sheet No. S-49.40

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. S-49.50  
Canceling Sub. First Revised Sheet No. S-49.50

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

2<sup>nd</sup> Revised Sheet No. S-49.60  
Canceling Sub. First Revised Sheet No. S-49.60

---

D

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

Sub. First Revised Sheet No. S-49.70  
Canceling Original Sheet No. S-49.70

---

RESERVED FOR FUTURE USE.

D



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-50  
Canceling Original Sheet No. S-50

---

Reserved for Future Use.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-50.10  
Canceling Original Sheet No. S-50.10

---

Reserved for Future Use.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-50.20  
Canceling Original Sheet No. S-50.20

---

Reserved for Future Use.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-51  
Canceling Original Sheet No. S-51

---

Reserved for Future Use.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-51.10  
Canceling Original Sheet No. S-51.10

---

Reserved for Future Use.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-51.20  
Canceling Original Sheet No. S-51.20

---

Reserved for Future Use.



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-52.00  
Canceling Original Sheet No. S-52.00

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-52.10  
Canceling Original Sheet No. S-52.10

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-52.20  
Canceling Original Sheet No. S-52.20

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-52.30  
Canceling Original Sheet No. S-52.30

---

RESERVED FOR FUTURE USE



MIDAMERICAN ENERGY COMPANY  
Electric Tariff No. 1  
Filed with the Iowa Utilities Board

1<sup>st</sup> Revised Sheet No. S-52.40  
Canceling Original Sheet No. S-52.40

---

RESERVED FOR FUTURE USE