

P. S. C. MO. SCHEDULE NO. 1 12<sup>th</sup> Revised SHEET NO. 1

CANCELLING SCHEDULE NO. 1 11<sup>th</sup> Revised SHEET NO. 1 (M)

APPLYING TO MISSOURI SERVICE AREA

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ELECTRIC POWER PURCHASES

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\*Indicates Change

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Missouri Public  
Service Commission

P.S.C. No. DATE OF ISSUE August 14, 2003 DATE EFFECTIVE August 28, 2003  
~~September 13, 2003~~  
 ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri  
 NAME OF OFFICER TITLE ADDRESS

CANCELLED  
June 30, 2013

Missouri Public  
Service Commission

ET-2013-0546; JE-2013-0582

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

P.S.C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 11th Revised SHEET NO. 1 (M)
CANCELLING SCHEDULE NO. 1 10th Revised SHEET NO. 1 (M)
APPLYING TO MISSOURI SERVICE AREA Missouri Public Service Commission

REC'D JAN 15 2003

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\* II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.78¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.42¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 2.40¢ per kWh
Weekday (10 PM - 10 AM) 1.39¢ per kWh
Saturday, Sunday, Holiday (1) 1.52¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.51¢ per kWh
Weekday (10 PM - 10 AM) 1.41¢ per kWh
Saturday, Sunday, Holiday (1) 1.34¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

CANCELLED

AUG 28 2003

by 12th RS 1 Public Service Commission MISSOURI

Missouri Public Service Commission

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\*Indicates Change

RECEIVED

JAN 16 2001

MISSOURI Public Service Commission

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\* II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.46¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.40¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 1.74¢ per kWh  
Weekday (10 PM - 10 AM) 1.33¢ per kWh  
Saturday, Sunday, Holiday (1) 1.28¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.51¢ per kWh  
Weekday (10 PM - 10 AM) 1.40¢ per kWh  
Saturday, Sunday, Holiday (1) 1.27¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

CANCELLED

FILED

FEB 15 2001

FEB 15 2001

MISSOURI Public Service Commission

MISSOURI Public Service Commission

\*Indicates Change

APPLYING TO MISSOURI SERVICE AREA

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

JAN 15 1999

MO. PUBLIC SERVICE COMMISSION

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.56¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.56¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 1.94¢ per kWh  
Weekday (10 PM - 10 AM) 1.38¢ per kWh  
Saturday, Sunday, Holiday (1) 1.31¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.68¢ per kWh  
Weekday (10 PM - 10 AM) 1.55¢ per kWh  
Saturday, Sunday, Holiday (1) 1.43¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

**CANCELLED**

FEB 15 2001

By *104 RP 1(M)*

\*Indicates Change Public Service Commission MISSOURI

Missouri Public Service Commission

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P.S.C. Mo. DATE OF ISSUE January 15, 1999 DATE EFFECTIVE February 14, 1999

ILL. C.C. DATE OF ISSUE \_\_\_\_\_ DATE EFFECTIVE \_\_\_\_\_

IA. ST. C. C. DATE OF ISSUE \_\_\_\_\_ DATE EFFECTIVE \_\_\_\_\_

ISSUED BY C. W. Mueller President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

APPLYING TO

**MISSOURI SERVICE AREA**

JAN 5 1997

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.60¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.48¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 2.22¢ per kWh

Weekday (10 PM - 10 AM) 1.24¢ per kWh

Saturday, Sunday, Holiday (1) 1.30¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.78¢ per kWh

Weekday (10 PM - 10 AM) 1.35¢ per kWh

Saturday, Sunday, Holiday (1) 1.27¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

**CANCELLED**

**FILED**

FEB 14 1999  
By *Ann RS #1 (M)*  
Public Service Commission  
MISSOURI

FEB 14 1997

MO. PUBLIC SERVICE COM.

\*Indicates Change

P.S.C. Mo. DATE OF ISSUE January 15, 1997

DATE EFFECTIVE February 14, 1997

ILL. C.C. DATE OF ISSUE \_\_\_\_\_

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IA. ST. C. C. DATE OF ISSUE \_\_\_\_\_

DATE EFFECTIVE \_\_\_\_\_

ISSUED BY C. W. Mueller  
NAME OF OFFICER

President & CEO  
TITLE

St. Louis, Missouri  
ADDRESS



APPLYING TO

MISSOURI SERVICE AREA

**RECEIVED**

JAN 14 1993

MO. PUBLIC SERVICE COMM.

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Public Service Commission 20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.31¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.20¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 1.62¢ per kWh  
Weekday (10 PM - 10 AM) 1.07¢ per kWh  
Saturday, Sunday, Holiday (1) 1.23¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.30¢ per kWh  
Weekday (10 PM - 10 AM) 1.18¢ per kWh  
Saturday, Sunday, Holiday (1) 1.12¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day

**CANCELLED**

MAR 13 1995  
BY 7th P.S. #1(M)  
Public Service Commission  
MISSOURI

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MAR 1 1993

MO. PUBLIC SERVICE COMM.

\*Indicates Change

P.S.C. Mo. DATE OF ISSUE January 15, 1993

DATE EFFECTIVE March 1, 1993

ILL. C.C. DATE OF ISSUE \_\_\_\_\_

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IA. ST.C.C. DATE OF ISSUE \_\_\_\_\_

DATE EFFECTIVE \_\_\_\_\_

ISSUED BY William E. Cornelius  
NAME OF OFFICER

Chairman  
TITLE

St. Louis, Missouri  
ADDRESS

P.S.C. MO., ILL. C.C., IA. ST. C.C. SCHEDULE NO. 1 5th Revised **RECEIVED** SHEET NO. 1(M)

CANCELLING SCHEDULE NO. 1 4th Revised **JAN 11 1991** SHEET NO. 1(M)

MISSOURI SERVICE AREA

APPLYING TO

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES  
Public Service Commission

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.33¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.26¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 1.48¢ per kWh  
Weekday (10 PM - 10 AM) 1.18¢ per kWh  
Saturday, Sunday, Holiday (1) 1.32¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.32¢ per kWh  
Weekday (10 PM - 10 AM) 1.22¢ per kWh  
Saturday, Sunday, Holiday (1) 1.23¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

**CANCELLED**

MAR 1 1993  
BY [Signature] # 1 (4)  
Public Service Commission  
MISSOURI

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FEB 14 1991

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Public Service Commission

P.S.C. MO. DATE OF ISSUE January 14, 1991 DATE EFFECTIVE February 14, 1991

ILL. C.C. DATE OF ISSUE \_\_\_\_\_ DATE EFFECTIVE \_\_\_\_\_

IA. ST. C.C. DATE OF ISSUE \_\_\_\_\_ DATE EFFECTIVE \_\_\_\_\_

ISSUED BY William E. Cornelius Chairman St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

JAN 15 1989

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

MISSOURI Public Service Commission

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.35¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.33¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 1.55¢ per kWh

Weekday (10 PM - 10 AM) 1.18¢ per kWh

Saturday, Sunday, Holiday (1) 1.30¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.48¢ per kWh

Weekday (10 PM - 10 AM) 1.26¢ per kWh

Saturday, Sunday, Holdiay (1) 1.24¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

**FILED**

FEB 13 1989

\*Indicates Change

**CANCELLED**  
FEB 14 1991  
BY 542 P.S. # 1(M)  
Public Service Commission  
MISSOURI

Public Service Commission

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IA. ST. C.C. DATE OF ISSUE \_\_\_\_\_ DATE EFFECTIVE \_\_\_\_\_

ISSUED BY William E. Cornelius Chairman St. Louis, Missouri

APPLYING TO MISSOURI SERVICE AREA

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.86¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.80¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 2.15¢ per kWh

Weekday (10 PM - 10 AM) 1.64¢ per kWh

Saturday, Sunday, Holiday (1) 1.77¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.95¢ per kWh

Weekday (10 PM - 10 AM) 1.73¢ per kWh

Saturday, Sunday, Holiday (1) 1.71¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

\*Indicates Change

RECEIVED  
JAN 1 1987  
MISSOURI  
Public Service Commission

CANCELLED  
FEB 13 1989  
BY 4 R.S.#1(M)  
Public Service Commission  
MISSOURI

RECEIVED  
FEB 14 1987  
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P.S.C. MO. DATE OF ISSUE January 15, 1987

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ILL. C.C. DATE OF ISSUE \_\_\_\_\_

DATE EFFECTIVE \_\_\_\_\_

IA. ST. C.C. DATE OF ISSUE \_\_\_\_\_

DATE EFFECTIVE \_\_\_\_\_

ISSUED BY William E. Cornelius

President

St. Louis, Missouri

APPLYING TO MISSOURI SERVICE AREA

RECEIVED

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES FEB 15 1985

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

II. Standard Rates for Purchase. The standard rates for purchases from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 2.05 ¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.72 ¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 2.65 ¢ per kWh  
Weekday (10 PM - 10 AM) 1.61 ¢ per kWh  
Saturday, Sunday, Holiday (1) 1.87 ¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.89 ¢ per kWh  
Weekday (10 PM - 10 AM) 1.63 ¢ per kWh  
Saturday, Sunday, Holiday (1) 1.62 ¢ per kWh

(1) Legal holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

CANCELLED  
FEB 14 1985  
BY [Signature] S. J. [Signature]  
PUBLIC SERVICE COMMISSION  
MISSOURI

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FEB 14 1985

Public Service Commission

P.S.C. MO. DATE OF ISSUE January 15, 1985

DATE EFFECTIVE February 14, 1985

ILL. C.C. DATE OF ISSUE \_\_\_\_\_

DATE EFFECTIVE \_\_\_\_\_

IA. ST. C.C. DATE OF ISSUE \_\_\_\_\_

DATE EFFECTIVE \_\_\_\_\_

ISSUED BY William E. Cornelius

President

St. Louis, Missouri

NAME OF OFFICER

TITLE

ADDRESS

P.S.C. MO., ILL. C.C., IA. ST. C.C. SCHEDULE NO. 1 FIRST REVISED SHEET NO. 1(M)

CANCELLING SCHEDULE NO. 1 ORIGINAL SHEET NO. 1(M)

APPLYING TO MISSOURI SERVICE AREA

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

**RECEIVED**  
FEB 14 1983  
MISSOURI  
Public Service Commission

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

II. Standard Rates for Purchase. The standard rates for purchases from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 5 monthly billing periods of June through October)

Summer 2.03¢ per kWh

Winter Rate (Applicable during 7 monthly billing periods of November through May)

Winter 1.71¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 5 monthly billing periods of June through October)

Weekday (10 AM - 10 PM) 2.63¢ per kWh

Weekday (10 PM - 10 AM) 1.61¢ per kWh

Saturday, Sunday, Holiday (1) 1.90¢ per kWh

Winter Rate (Applicable during 7 monthly billing periods of November through May)

Weekday (10 AM - 10 PM) 1.96¢ per kWh

Weekday (10 PM - 10 AM) 1.61¢ per kWh

Saturday, Sunday, Holiday (1) 1.53¢ per kWh

(1) Legal holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

**CANCELLED**  
FEB 14 1983  
BY 2nd RS 1(M)  
PUBLIC SERVICE COMMISSION  
**FILED**  
MAR 16 1983  
Public Service Commission

P.S.C. MO. DATE OF ISSUE February 14, 1983 DATE EFFECTIVE March 16, 1983  
ILL. C.C. DATE OF ISSUE \_\_\_\_\_ DATE EFFECTIVE \_\_\_\_\_  
IA. ST. C.C. DATE OF ISSUE \_\_\_\_\_ DATE EFFECTIVE \_\_\_\_\_  
ISSUED BY Charles J. Dougherty Chairman St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

RECEIVED

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES 82

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

II. Standard Rates for Purchase. The standard rates for purchases from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 5 monthly billing periods of June through October)

Summer 1.89¢ per kWh

Winter Rate (Applicable during 7 monthly billing periods of November through May)

Winter 1.72¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 5 monthly billing periods of June through October)

Weekday (10 AM - 10 PM) 2.36¢ per kWh

Weekday (10 PM - 10 AM) 1.47¢ per kWh

Saturday, Sunday, Holiday (1) 1.73¢ per kWh

Winter Rate (Applicable during 7 monthly billing periods of November through May)

Weekday (10 AM - 10 PM) 2.07¢ per kWh

Weekday (10 PM - 10 AM) 1.52¢ per kWh

Saturday, Sunday, Holiday (1) 1.49¢ per kWh

(1) Legal holidays of New Year's Day, Good Friday, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

CANCELLED

MAR 16 1983  
BY [Signature] PUBLIC SERVICE COMMISSION

FILED  
OCT 14 1982  
8-2-14 0  
Public Service Commission  
OCT 14 1982

P.S.C. NO. DATE OF ISSUE April 15, 1982

DATE EFFECTIVE

ILL. C.C. DATE OF ISSUE

DATE EFFECTIVE

IA. ST. C.C. DATE OF ISSUE

DATE EFFECTIVE

ISSUED BY Charles J. Dougherty

Chairman

St. Louis, Missouri

NAME OF OFFICER

TITLE

ADDRESS

APPLYING TO MISSOURI SERVICE AREA

A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 2.06¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.90¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 2.73¢ per kWh

Weekday (10 PM - 10 AM) 1.63¢ per kWh

Saturday, Sunday, Holiday (1) 1.80¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 2.06¢ per kWh

Weekday (10 PM - 10 AM) 1.84¢ per kWh

Saturday, Sunday, Holiday (1) 1.79¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

\*Indicates Change.

FILED  
Missouri Public  
Service Commission  
ET-2013-0351; YE-2013-0313

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 5th Revised SHEET NO. 2

CANCELLING SCHEDULE NO. 1 4th Revised SHEET NO. 2

APPLYING TO MISSOURI SERVICE AREA

A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.98¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.75¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 2.58¢ per kWh

Weekday (10 PM - 10 AM) 1.60¢ per kWh

Saturday, Sunday, Holiday (1) 1.73¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.89¢ per kWh

Weekday (10 PM - 10 AM) 1.70¢ per kWh

Saturday, Sunday, Holiday (1) 1.63¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

\*Indicates Change.

FILED  
Missouri Public  
Service Commission  
JE-2011-0362

P.S.C. Mo. DATE OF ISSUE January 14, 2011 DATE EFFECTIVE February 15, 2011

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 2.69¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 2.18¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 3.53¢ per kWh

Weekday (10 PM - 10 AM) 2.18¢ per kWh

Saturday, Sunday, Holiday (1) 2.29¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 2.36¢ per kWh

Weekday (10 PM - 10 AM) 2.13¢ per kWh

Saturday, Sunday, Holiday (1) 2.05¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

\*Indicates Change

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Service Commission  
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February 15, 2011  
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P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 3<sup>rd</sup> Revised SHEET NO. 2

CANCELLING SCHEDULE NO. 1 2<sup>nd</sup> Revised SHEET NO. 2

APPLYING TO MISSOURI SERVICE AREA

A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 2.39¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.74¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 3.47¢ per kWh  
 Weekday (10 PM - 10 AM) 1.63¢ per kWh  
 Saturday, Sunday, Holiday (1) 2.03¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.95¢ per kWh  
 Weekday (10 PM - 10 AM) 1.66¢ per kWh  
 Saturday, Sunday, Holiday (1) 1.58¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

**Filed**  
 Missouri Public  
 Service Commission

CANCELLED  
 February 15, 2009  
 Missouri Public  
 Service Commission  
 JE-2009-0511

P.S.C. Mo. DATE OF ISSUE January 12, 2007 DATE EFFECTIVE February 15, 2007

ISSUED BY T. R. Voss President & CEO St. Louis, Missouri  
 NAME OF OFFICER TITLE ADDRESS

A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

\*II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 2.21¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.55¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 2.97¢ per kWh

Weekday (10 PM - 10 AM) 1.54¢ per kWh

Saturday, Sunday, Holiday (1) 2.09¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.72¢ per kWh

Weekday (10 PM - 10 AM) 1.53¢ per kWh

Saturday, Sunday, Holiday (1) 1.39¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

\*Indicates Change

**Cancelled**  
 February 15, 2007

**Filed**

Missouri Public  
 Service Commission

Missouri Public  
 Service Commission

UNION ELECTRIC COMPANY

ELECTRIC SERVICE

Missouri Public

P.S.C. NO., ILL. C. C., IA. ST. C. C. SCHEDULE NO.

1

REVISED 14 2003

SHEET NO. 2

CANCELLING SCHEDULE NO.

1

ORIGINAL

SHEET NO. 2 (M)

APPLYING TO

MISSOURI SERVICE AREA  
Service Commission

\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES

I. Application. This tariff applies to purchases of electric energy or electric energy and capacity from Qualifying Facilities (hereinafter referred to as "Customer") under the provisions of Rule 4 CSR 240-20.060 of the Missouri Public Service Commission.

II. Standard Rates for Purchase. The standard rates for purchase from a customer with a design capacity of 100 kW or less are as follows:

1. Non-Time - Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Summer 1.78¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Winter 1.42¢ per kWh

2. Time-Differentiated Energy Rate

Summer Rate (Applicable during 4 monthly billing periods of June through September)

Weekday (10 AM - 10 PM) 2.40¢ per kWh  
Weekday (10 PM - 10 AM) 1.39¢ per kWh  
Saturday, Sunday, Holiday (1) 1.52¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May)

Weekday (10 AM - 10 PM) 1.51¢ per kWh  
Weekday (10 PM - 10 AM) 1.41¢ per kWh  
Saturday, Sunday, Holiday (1) 1.34¢ per kWh

(1) Legal Holidays of New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Thanksgiving Friday, Christmas Eve Day, and Christmas Day.

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FEB 15 2005

2nd RS2  
Missouri Public Service Commission  
MISSOURI  
Missouri Public Service Commission  
ET-2004-0094  
FILED AUG 28 2003

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P.S.C. No. DATE OF ISSUE August 14, 2003

DATE EFFECTIVE

ISSUED BY C. W. Mueller  
NAME OF OFFICER

Chairman & CEO  
TITLE

St. Louis, Missouri  
ADDRESS

APPLYING TO MISSOURI SERVICE AREA

**RECEIVED**

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

APR 12 1982

3. Customer Charge (per meter required for parallel operation)

Non-Time Differentiated Energy

\$4.00 per month - Single Phase

\$6.00 per month - Three Phase

Time Differentiated Energy

\$13.00 per month - Single Phase

\$15.00 per month - Three Phase

4. Billing

Monthly billing between Company and Customer shall be in accordance with the Contract between the parties.

**CANCELLED**

AUG 28 2003

by *J.S. R.S. 2*  
Public Service Commission  
MISSOURI

**FILED**

OCT 14 1982

82-140

Public Service Commission

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P.S.C. NO. DATE OF ISSUE April 15, 1982

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DATE EFFECTIVE \_\_\_\_\_

IA. ST. C.C. DATE OF ISSUE \_\_\_\_\_

DATE EFFECTIVE \_\_\_\_\_

ISSUED BY Charles T. Dougherty

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 1<sup>st</sup> Revised SHEET NO. 3

CANCELLING SCHEDULE NO. 1 ORIGINAL SHEET NO. 3 (M)

APPLYING TO MISSOURI SERVICE AREA

\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

3. Customer Charge (per meter required for parallel operation)

Non-Time Differentiated Energy

\$4.00 per month - Single Phase

\$6.00 per month - Three Phase

Time Differentiated Energy

\$13.00 per month - Single Phase

\$15.00 per month - Three Phase

4. Billing

Monthly billing between Company and Customer shall be in accordance with the Contract between the parties.

\* Indicates Reissue

FILED  
Missouri Public  
Service Commission

August 28, 2003

CANCELLED June 30, 2013 Missouri Public Service Commission  
P.S.C. Mo. DATE OF ISSUE August 14, 2003 DATE EFFECTIVE ~~September 13, 2003~~  
ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

RECEIVED

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

III. Contract. Whether or not purchases are made by Union Electric Company under the standard rates, Union Electric Company shall not be required to make any purchase from Customer until Union Electric Company and Customer have entered into a written contract for such purchases.

IV. All provisions of this tariff are subject to all Commission rules and regulations as may be revised from time-to-time. All terms of the tariff are also subject to the Commission's normal complaint and arbitration procedures.

V. Guideline Technical Requirements for Parallel Operation with the Union Electric System.

1. Introduction

The minimum technical requirements for safe parallel operation of Customer-owned electrical generating facilities with the UE system are set forth below. These requirements will serve as a guide for UE and Customer engineering when planning such an installation; however, it is recognized that each installation may have specific requirements other than those set forth herein as a result of each installation's unique nature.

2. General Technical Requirements

A. Protection

- (1) Customer shall install protective devices capable of detecting fault conditions on both his system and the UE system. These devices will separate Customer's system from the UE system either directly or through an auxiliary device such as a circuit breaker. The separating device must be capable of interrupting the available fault current. The detection sensitivity and operating speed of these devices must be compatible with protective devices on the UE system.
- (2) The Customer shall install equipment designed to automatically separate his system from the UE system upon loss of the normal UE supply.
- (3) The Customer is responsible for protecting Customer-owned equipment in such a manner that faults or other disturbances on the UE system or on Customer's system do not cause damage to his equipment.

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Public Service Commission MISSOURI

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DATE EFFECTIVE

IA. ST. C.C. DATE OF ISSUE \_\_\_\_\_

DATE EFFECTIVE

ISSUED BY Charles J. Dougherty

Chairman

St. Louis, Missouri

NAME OF OFFICER

TITLE

ADDRESS

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OCT 14 1982

82-140

Public Service Commission

APPLYING TO MISSOURI SERVICE AREA

\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

III. Contract. Whether or not purchases are made by Company under the standard rates, the Company shall not be required to make any purchase from Customer until Company and Customer have entered into a written contract for such purchases.

IV. All provisions of this tariff are subject to all Commission rules and regulations as may be revised from time-to-time. All terms of the tariff are also subject to the Commission's normal complaint and arbitration procedures.

V. Guideline Technical Requirements for Parallel Operation with the Company's System.

1. Introduction

The minimum technical requirements for safe parallel operation of Customer-owned electrical generating facilities with the Company's system are set forth below. These requirements will serve as a guide for Company and Customer engineering when planning such an installation; however, it is recognized that each installation may have specific requirements other than those set forth herein as a result of each installation's unique nature.

2. General Technical Requirements

A. Protection

- (1) Customer shall install protective devices capable of detecting fault conditions on both his system and the Company's system. These devices will separate Customer's system from the Company's system either directly or through an auxiliary device such as a circuit breaker. The separating device must be capable of interrupting the available fault current. The detection sensitivity and operating speed of these devices must be compatible with protective devices on the Company's system.
- (2) The Customer shall install equipment designed to automatically separate his system from the Company's system upon loss of the normal Company supply.
- (3) The Customer is responsible for protecting Customer-owned equipment in such a manner that faults or other disturbances on the Company's system or on Customer's system do not cause damage to his equipment.

\* Indicates Change.

FILED  
Missouri Public  
Service Commission

ET-2011-0102; YE-2011-0217  
November 27, 2010

\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

- III. Contract. Whether or not purchases are made by Union Electric Company under the standard rates, Union Electric Company shall not be required to make any purchase from Customer until Union Electric Company and Customer have entered into a written contract for such purchases.
- IV. All provisions of this tariff are subject to all Commission rules and regulations as may be revised from time-to-time. All terms of the tariff are also subject to the Commission's normal complaint and arbitration procedures.
- V. Guideline Technical Requirements for Parallel Operation with the Union Electric System.

1. Introduction

The minimum technical requirements for safe parallel operation of Customer-owned electrical generating facilities with the UE system are set forth below. These requirements will serve as a guide for UE and Customer engineering when planning such an installation; however, it is recognized that each installation may have specific requirements other than those set forth herein as a result of each installation's unique nature.

2. General Technical Requirements

A. Protection

- (1) Customer shall install protective devices capable of detecting fault conditions on both his system and the UE system. These devices will separate Customer's system from the UE system either directly or through an auxiliary device such as a circuit breaker. The separating device must be capable of interrupting the available fault current. The detection sensitivity and operating speed of these devices must be compatible with protective devices on the UE system.
- (2) The Customer shall install equipment designed to automatically separate his system from the UE system upon loss of the normal UE supply.
- (3) The Customer is responsible for protecting Customer-owned equipment in such a manner that faults or other disturbances on the UE system or on Customer's system do not cause damage to his equipment.

\* Indicates Reissue

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August 28, 2003

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ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri  
 NAME OF OFFICER TITLE ADDRESS

CANCELLED  
 November 27, 2010  
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 ET-2011-0102; YE-2011-0217

CANCELLING SCHEDULE NO.

SHEET NO.

APPLYING TO MISSOURI SERVICE AREA

RECEIVED

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES (CONTINUED)

- (4) Customer shall furnish information to UE regarding his proposed generation equipment and protective devices prior to parallel operation. UE will check the adequacy of this proposed equipment and its compatibility with protective devices on the UE system and will either approve as submitted or specify additional equipment which will be required in order to begin parallel operation with the UE system.
- (5) All protective relay settings that would affect any UE system relay settings will be specified by UE. These relays will be initially calibrated by UE to assure proper operation.
- (6) A manual visible disconnect switch must be provided which is under the exclusive jurisdictional control of the UE dispatcher. This manual switch must have the capability to be locked out of service by a UE-authorized switchman.
- (7) The above statements are the basic minimum protection requirements that would be associated with parallel generation. Additional requirements and/or equipment would depend on an in-depth study of each proposed connection.

B. Operation

- (1) Under certain conditions the intertie breaker (if one is required) must be operated by Customer in order for UE to operate the manual disconnect switch. UE may request this action for any of the following reasons:
  - a. System emergency.
  - b. Inspection of Customer's generating equipment or protective equipment reveals an unsafe condition.
  - c. Customer's generating equipment interferes with other customers or with the operation of the UE system.
  - d. An outage is scheduled on the UE supply circuit or feeder.

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1ST RS 4

by Public Service Commission MISSOURI

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DATE EFFECTIVE

IA. ST. C.C. DATE OF ISSUE

DATE EFFECTIVE

Public Service Commission

82-140

ISSUED BY Charles J. Dougherty

Chairman

St. Louis, Missouri

NAME OF OFFICER

TITLE

ADDRESS

APPLYING TO MISSOURI SERVICE AREA

\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

- (4) Customer shall furnish information to Company regarding his proposed generation equipment and protective devices prior to parallel operation. Company will check the adequacy of this proposed equipment and its compatibility with protective devices on the Company's system and will either approve as submitted or specify additional equipment which will be required in order to begin parallel operation with the Company's system.
- (5) All protective relay settings that would affect any Company system relay settings will be specified by Company. These relays will be initially calibrated by Company to assure proper operation.
- (6) A manual visible disconnect switch must be provided which is under the exclusive jurisdictional control of the Company dispatcher. This manual switch must have the capability to be locked out of service by a Company-authorized switchman.
- (7) The above statements are the basic minimum protection requirements that would be associated with parallel generation. Additional requirements and/or equipment would depend on an in-depth study of each proposed connection.

B. Operation

- (1) Under certain conditions the intertie breaker (if one is required) must be operated by Customer in order for Company to operate the manual disconnect switch. Company may request this action for any of the following reasons:
  - a. System emergency.
  - b. Inspection of Customer's generating equipment or protective equipment reveals an unsafe condition.
  - c. Customer's generating equipment interferes with other customers or with the operation of the Company's system.
  - d. An outage is scheduled on the Company's supply circuit or feeder.

\* Indicates Change.

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Service Commission

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November 27, 2010

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 1<sup>st</sup> Revised SHEET NO. 5

CANCELLING SCHEDULE NO. 1 ORIGINAL SHEET NO. 5 (M)  
 APPLYING TO MISSOURI SERVICE AREA

\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

- (4) Customer shall furnish information to UE regarding his proposed generation equipment and protective devices prior to parallel operation. UE will check the adequacy of this proposed equipment and its compatibility with protective devices on the UE system and will either approve as submitted or specify additional equipment which will be required in order to begin parallel operation with the UE system.
- (5) All protective relay settings that would affect any UE system relay settings will be specified by UE. These relays will be initially calibrated by UE to assure proper operation.
- (6) A manual visible disconnect switch must be provided which is under the exclusive jurisdictional control of the UE dispatcher. This manual switch must have the capability to be locked out of service by a UE-authorized switchman.
- (7) The above statements are the basic minimum protection requirements that would be associated with parallel generation. Additional requirements and/or equipment would depend on an in-depth study of each proposed connection.

B. Operation

- (1) Under certain conditions the intertie breaker (if one is required) must be operated by Customer in order for UE to operate the manual disconnect switch. UE may request this action for any of the following reasons:
  - a. System emergency.
  - b. Inspection of Customer's generating equipment or protective equipment reveals an unsafe condition.
  - c. Customer's generating equipment interferes with other customers or with the operation of the UE system.
  - d. An outage is scheduled on the UE supply circuit or feeder.

\* Indicates Reissue

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August 28, 2003

P.S.C. Mo. DATE OF ISSUE August 14, 2003 DATE EFFECTIVE September 13, 2003

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri  
 NAME OF OFFICER TITLE ADDRESS

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 Service Commission  
 ET-2011-0102; YE-2011-0217

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ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

APR 12 1982

- (2) Customer shall be solely responsible for properly synchronizing his generating equipment with the <sup>MISSOURI</sup> frequency and voltage. This includes resynchronizing his generator(s) after system outages or disturbances.

**C. Quality of Service**

- (1) The interconnection of Customer's generating equipment with the UE system shall not cause any reduction in the quality of service being provided to other customers or cause any undesirable effect on any UE facilities. In order to achieve this objective, wave form guidelines presently applicable to Customer's facility and which are measured at the point of interconnection between the utility and the qualifying facility are as follows:
  - a. The phase unbalance must be less than 1%,
  - b. The arithmetic sum of harmonics in the current or voltage must be less than 10%, and
  - c. The root of the sum of the squares of harmonics in the current or voltage must be less than 5%.

The above limits should be viewed as general guidelines which are subject to change as dictated by experience as well as the unique nature of the electrical system at each point of interconnection.

- (2) The power factor of Customer's load with his generating equipment connected shall not be less than that specified by retail tariff for his applicable customer class.

**D. Metering**

Parallel generating facilities connected to UE's system are divided into two groups: (1) "Two-way Power Flow," and (2) "One-way Power Flow." "Two-way Power Flow" would apply to Customer's facilities whose load is sufficiently variable or smaller than its generating capacity so that excess Customer-generated power could flow into the UE system. "One-way Power Flow" would apply to Customer's facilities whose load is significantly larger than

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1st. R. 5  
Public Service Commission  
MISSOURI

P.S.C. NO. DATE OF ISSUE April 15, 1982

ILL. C.C. DATE OF ISSUE \_\_\_\_\_

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FILED

OCT 14 1982

OCT 14 1982

82-140

Public Service Commission

ISSUED BY Charles J. Dougherty Chairman St. Louis, Missouri

NAME OF OFFICER TITLE ADDRESS

**UNION ELECTRIC COMPANY**  
**PROMOTIONAL PRACTICES**  
Applying to ALL MISSOURI SERVICE AREAS

FINANCING PROGRAM (CONTINUED)

Publicity will be given to this financing practice through personal contact, meetings, direct mail and other similar or appropriate means. The financing will be made available through the dealers or persons who sell and install equipment for residential customers. The dealers or persons included, but not limited to, are: appliance dealers, builders and developers, electric space heating contractors, electrical contractors, insulation contractors, mobile home park operators, and plumbers. As new electrical devices are developed in the future, the dealers handling such equipment will be included. These dealers will make information on this financing practice available to their customers and will complete and forward necessary papers to Union Electric for processing.

**CANCELLED**

APR 12 1989

BY lars #5

Public Service Commission  
MISSOURI

DATE OF ISSUE July 28, 1971

DATE EFFECTIVE July 28, 1971

ISSUED BY Charles J. Dougherty  
Name of Officer

President  
Title

St. Louis, Missouri  
Address

APPLYING TO MISSOURI SERVICE AREA

\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

(2) Customer shall be solely responsible for properly synchronizing his generating equipment with the Company's frequency and voltage. This includes resynchronizing his generator(s) after system outages or disturbances.

C. Quality of Service

(1) The interconnection of Customer's generating equipment with the Company's system shall not cause any reduction in the quality of service being provided to other customers or cause any undesirable effect on any Company facilities. In order to achieve this objective, wave form guidelines presently applicable to Customer's facility and which are measured at the point of interconnection between the Company and the qualifying facility are as follows:

- a. The phase unbalance must be less than 1%,
- b. The arithmetic sum of harmonics in the current or voltage must be less than 10%, and
- c. The root of the sum of the squares of harmonics in the current or voltage must be less than 5%.

The above lists should be viewed as general guidelines which are subject to change as dictated by experience as well as the unique nature of the electrical system at each point of interconnection.

(2) The power factor of Customer's load with his generating equipment connected shall not be less than that specified by retail tariff for his applicable customer class.

D. Metering

Parallel generating facilities connected to Company's system are divided into two groups: (1) "Two-way Power Flow," and (2) "One-way Power Flow." "Two-way Power Flow" would apply to Customer's facilities whose load is sufficiently variable or smaller than its generating capacity so that excess Customer-generated power could flow into the Company's system. "One-way Power Flow" would apply to Customer's facilities whose load is significantly larger than their generating capacity so that no Customer-generated power would flow into the Company's system except under fault conditions.

\* Indicates Change.

FILED  
Missouri Public  
Service Commission

ET-2011-0102; YE-2011-0217  
November 27, 2010

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 1<sup>st</sup> Revised SHEET NO. 6CANCELLING SCHEDULE NO. 1 ORIGINAL SHEET NO. 6 (M)  
APPLYING TO MISSOURI SERVICE AREA\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

- (2) Customer shall be solely responsible for properly synchronizing his generating equipment with the UE frequency and voltage. This includes resynchronizing his generator(s) after system outages or disturbances.

## C. Quality of Service

- (1) The interconnection of Customer's generating equipment with the UE system shall not cause any reduction in the quality of service being provided to other customers or cause any undesirable effect on any UE facilities. In order to achieve this objective, wave form guidelines presently applicable to Customer's facility and which are measured at the point of interconnection between the utility and the qualifying facility are as follows:

- a. The phase unbalance must be less than 1%,
- b. The arithmetic sum of harmonics in the current or voltage must be less than 10%, and
- c. The root of the sum of the squares of harmonics in the current or voltage must be less than 5%.

The above lists should be viewed as general guidelines which are subject to change as dictated by experience as well as the unique nature of the electrical system at each point of interconnection.

- (2) The power factor of Customer's load with his generating equipment connected shall not be less than that specified by retail tariff for his applicable customer class.

## D. Metering

Parallel generating facilities connected to UE's system are divided into two groups: (1) "Two-way Power Flow," and (2) "One-way Power Flow." "Two-way Power Flow" would apply to Customer's facilities whose load is sufficiently variable or smaller than its generating capacity so that excess Customer-generated power could flow into the UE system. "One-way Power Flow" would apply to Customer's facilities whose load is significantly larger than their generating capacity so that no Customer-generated power would flow into the UE system except under fault conditions.

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Service CommissionCANCELLED  
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NAME OF OFFICER TITLE ADDRESS

ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

APR 15 1982

their generating capacity so that no Customer-generated power would flow into the UE system except under fault conditions.

Public Service Commission

(1) Two-way Power Flow

This type of installation provides for the interchange of energy in either direction as a normal operating mode.

The revenue metering for Two-way Power Flow installations shall include two series connected watthour meters with detents. One meter shall be connected to measure energy supply to Customer from UE; the other meter shall measure Customer-generated energy supplied to UE. The meter detents prevent operation of either meter in the reverse direction.

Additional metering may or may not be required depending on the terms of the contract between UE and Customer.

(2) One-way Power Flow

This type of installation does not allow the interchange of energy from Customer to the utility.

The intertie circuit breaker will be tripped by equipment capable of detecting the reverse power flow condition toward the UE system.

This type installation requires a single revenue meter installation with detent to prevent operation of the meter in the reverse direction.

Additional metering may or may not be required depending on the terms of a contract between UE and Customer.

E. Other Requirements

- (1) All Customer installations shall adhere to any applicable requirements of the National Electrical Safety Code, the National Electric Code, applicable NEMA codes, OSHA, and UE's Electric Service Rules as set forth in published tariffs.
- (2) Customer will bear all interconnection costs of parallel operation over and above the normal cost to serve his load.

**CANCELLED**

AUG 28 2003

Public Service Commission  
 MISSOURI

P.S.C. NO.	DATE OF ISSUE	April 15, 1982	DATE EFFECTIVE	<del>APR 15 1982</del>
ILL. C.C.	DATE OF ISSUE		DATE EFFECTIVE	
IA. ST. C.C.	DATE OF ISSUE		DATE EFFECTIVE	
ISSUED BY	Charles J. Dougherty	Chairman	OCT 14 1982 82-140 Public Service Commission	
NAME OF OFFICER		TITLE		ADDRESS

APPLYING TO MISSOURI SERVICE AREA

\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

(1) Two-way Power Flow

This type of installation provides for the interchange of energy in either direction as a normal operating mode.

The revenue metering for Two-way Power Flow installations shall include two series connected watt-hour meters with detents. One meter shall be connected to measure energy supply to Customer from Company; the other meter shall measure Customer-generated energy supplied to Company. The meter detents prevent operation of either meter in the reverse direction.

Additional metering may or may not be required depending on the terms of the contract between Company and Customer.

(2) One-way Power Flow

This type of installation does not allow the interchange of energy from Customer to the Company.

The intertie circuit breaker will be tripped by equipment capable of detecting the reverse power flow condition toward the Company's system.

This type installation requires a single revenue meter installation with detent to prevent operation of the meter in the reverse direction.

Additional metering may or may not be required depending on the terms of a contract between Company and Customer.

E. Other Requirements

(1) All Customer installations shall adhere to any applicable requirements of the National Electrical Safety Code, the National Electric Code, Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), local electric codes, applicable NEMA codes, OSHA, and Company's Electric Service Rules as set forth in published tariffs.

(2) Customer will bear all interconnection costs of parallel operation over and above the normal cost to serve his load.

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June 30, 2013  
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DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri

NAME OF OFFICER TITLE ADDRESS

A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

(1) Two-way Power Flow

This type of installation provides for the interchange of energy in either direction as a normal operating mode.

The revenue metering for Two-way Power Flow installations shall include two series connected watt-hour meters with detents. One meter shall be connected to measure energy supply to Customer from UE; the other meter shall measure Customer-generated energy supplied to UE. The meter detents prevent operation of either meter in the reverse direction.

Additional metering may or may not be required depending on the terms of the contract between UE and Customer.

(2) One-way Power Flow

This type of installation does not allow the interchange of energy from Customer to the utility.

The intertie circuit breaker will be tripped by equipment capable of detecting the reverse power flow condition toward the UE system.

This type installation requires a single revenue meter installation with detent to prevent operation of the meter in the reverse direction.

Additional metering may or may not be required depending on the terms of a contract between UE and Customer.

E. Other Requirements

\* (1) All Customer installations shall adhere to any applicable requirements of the National Electrical Safety Code, the National Electric Code, Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), local electric codes, applicable NEMA codes, OSHA, and UE's Electric Service Rules as set forth in published tariffs.

(2) Customer will bear all interconnection costs of parallel operation over and above the normal cost to serve his load.

\* Indicates change

FILED  
Missouri Public  
Service Commission

January 1, 2008

~~January 20, 2008~~

P.S.C. Mo. DATE OF ISSUE December 21, 2007 DATE EFFECTIVE ~~January 20, 2008~~

ISSUED BY T. R. Voss President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

\*A. ELECTRIC POWER PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)

(1) Two-way Power Flow

This type of installation provides for the interchange of energy in either direction as a normal operating mode.

The revenue metering for Two-way Power Flow installations shall include two series connected watt-hour meters with detents. One meter shall be connected to measure energy supply to Customer from UE; the other meter shall measure Customer-generated energy supplied to UE. The meter detents prevent operation of either meter in the reverse direction.

Additional metering may or may not be required depending on the terms of the contract between UE and Customer.

(2) One-way Power Flow

This type of installation does not allow the interchange of energy from Customer to the utility.

The intertie circuit breaker will be tripped by equipment capable of detecting the reverse power flow condition toward the UE system.

This type installation requires a single revenue meter installation with detent to prevent operation of the meter in the reverse direction.

Additional metering may or may not be required depending on the terms of a contract between UE and Customer.

E. Other Requirements

(1) All Customer installations shall adhere to any applicable requirements of the National Electrical Safety Code, the National Electric Code, applicable NEMA codes, OSHA, and UE's Electric Service Rules as set forth in published tariffs.

(2) Customer will bear all interconnection costs of parallel operation over and above the normal cost to serve his load.

\* Indicates Reissue

FILED  
Missouri Public  
Service Commission

August 28, 2003

P.S.C. No. DATE OF ISSUE August 14, 2003

DATE EFFECTIVE ~~September 13, 2003~~

ISSUED BY C. W. Mueller  
NAME OF OFFICER

Chairman & CEO  
TITLE

St. Louis, Missouri  
ADDRESS

APPLYING TO MISSOURI SERVICE AREA

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS

I. Application. This tariff applies to Union Electric Company d/b/a Ameren Missouri (Company) purchases of electric energy from Qualified Net Metering Units (hereinafter referred to as "Customer-Generator") under the provisions of Section 386.890RSMo. the 'Net Metering and Easy Connection Act'. The Customer-Generator must meet the general technical requirements, testing requirements, and liability requirements listed under the provisions of Section 386.890RSMo. the 'Net Metering and Easy Connection Act', as well as the requirements specified in the Customer-Generators' applicable rate class under the Company's Schedule 5 - Schedule of Rates for Electric Service. Service under this rate shall be evidenced by a contract between Customer-Generator and the Company per the Interconnection Application/Agreement for Net Metering Systems With Capacity of 100 kW or less.

The availability of net metering is limited to those types of generation that have been certified by the Missouri Department of Natural Resources as renewable energy resources and which is intended primarily to offset part or all of the customer-generator's own electrical energy requirements. Net metering cannot be elected in conjunction with "Optional Time-of-Day Rate" service of any of Company's rate schedule.

Company will provide net metering service until the total rated generating capacity used by Customer-Generators is equal to or in excess of five percent (5.0%) of Company's single-hour peak load during the previous year. However in a given calendar year, no retail electric supplier shall be required to approve any application for interconnection if the total rated generating capacity of all application for interconnection already approved to date by said supplier in said calendar year equals or exceeds one percent (1.0%) of said supplier's single-hour peak load for the previous calendar year.

II. Billing.

- a) Energy Pricing and Billing. Each billing period, Company shall measure the net electrical energy produced or consumed and bill the Customer-Generator as follows:
  - i. If the electricity supplied by Company exceeds the electricity supplied by the Customer-Generator to Company, Company's bill will reflect the net electricity supplied by Company and the Customer-Generator's current service classification.
  - \*ii. If the electricity supplied by Company is less than the electricity supplied by the Customer-Generator to Company, Company's bill will include a credit for the net electricity received by Company in accordance with the Net Metering Rate (Avoided Fuel Cost) in Section II.c) below.

- b) Minimum Bill  
Net metering does not modify or eliminate any customer obligation(s) or billing provision(s) of the Customer's current rate schedule for delivery of electric power and energy such as the Customer Charge or any minimum billing demand (if applicable).

\* Indicates Change.

FILED  
Missouri Public  
Service Commission  
YE-2013-0208

DATE OF ISSUE October 29, 2012 DATE EFFECTIVE November 28, 2012

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

November 29, 2012

APPLYING TO MISSOURI SERVICE AREA

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS

\*I. Application. This tariff applies to Union Electric Company d/b/a Ameren Missouri (Company) purchases of electric energy from Qualified Net Metering Units (hereinafter referred to as "Customer-Generator") under the provisions of Section 386.890RSMo. the 'Net Metering and Easy Connection Act'. The Customer-Generator must meet the general technical requirements, testing requirements, and liability requirements listed under the provisions of Section 386.890RSMo. the 'Net Metering and Easy Connection Act', as well as the requirements specified in the Customer-Generators' applicable rate class under the Company's Schedule 5 - Schedule of Rates for Electric Service. Service under this rate shall be evidenced by a contract between Customer-Generator and the Company per the Interconnection Application/Agreement for Net Metering Systems With Capacity of 100 kW or less.

The availability of net metering is limited to those types of generation that have been certified by the Missouri Department of Natural Resources as renewable energy resources and which is intended primarily to offset part or all of the customer-generator's own electrical energy requirements. Net metering cannot be elected in conjunction with "Optional Time-of-Day Rate" service of any of Company's rate schedule.

Company will provide net metering service until the total rated generating capacity used by Customer-Generators is equal to or in excess of five percent (5.0%) of Company's single-hour peak load during the previous year. However in a given calendar year, no retail electric supplier shall be required to approve any application for interconnection if the total rated generating capacity of all application for interconnection already approved to date by said supplier in said calendar year equals or exceeds one percent (1.0%) of said supplier's single-hour peak load for the previous calendar year.

II. Billing.

- a) Energy Pricing and Billing. Each billing period, Company shall measure the net electrical energy produced or consumed and bill the Customer-Generator as follows:
  - i. If the electricity supplied by Company exceeds the electricity supplied by the Customer-Generator to Company, Company's bill will reflect the net electricity supplied by Company and the Customer-Generator's current service classification.
  - ii. If the electricity supplied by Company is less than the electricity supplied by the Customer-Generator to Company, Company's bill will include a credit for the net electricity received by Company in accordance with the Non-Time-Differentiated Energy Rates contained in Section A.II.1 herein.

- b) Minimum Bill  
Net metering does not modify or eliminate any customer obligation(s) or billing provision(s) of the Customer's current rate schedule for delivery of electric power and energy such as the Customer Charge or any minimum billing demand (if applicable).

CANCELED  
November 29, 2012  
Missouri Public  
Service Commission

FILED  
Missouri Public  
Service Commission  
ET 2011-0102, YE 2011-0217

ET-2013-0197, YE-2013-0208

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ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS

\* I. Application. This tariff applies to Union Electric Company d/b/a AmerenUE (Company) purchases of electric energy from Qualified Net Metering Units (hereinafter referred to as "Customer-Generator") under the provisions of Section 386.890RSMo. the 'Net Metering and Easy Connection Act'. The Customer-Generator must meet the general technical requirements, testing requirements, and liability requirements listed under the provisions of Section 386.890RSMo. the 'Net Metering and Easy Connection Act', as well as the requirements specified in the Customer-Generators' applicable rate class under the Company's Schedule 5 - Schedule of Rates for Electric Service. Service under this rate shall be evidenced by a contract between Customer-Generator and the Company per the Interconnection Application/Agreement for Net Metering Systems With Capacity of 100 kW or less.

The availability of net metering is limited to those types of generation that have been certified by the Missouri Department of Natural Resources as renewable energy resources and which is intended primarily to offset part or all of the customer-generator's own electrical energy requirements. Net metering cannot be elected in conjunction with "Optional Time-of-Day Rate" service of any of Company's rate schedule.

Company will provide net metering service until the total rated generating capacity used by Customer-Generators is equal to or in excess of five percent (5.0%) of Company's single-hour peak load during the previous year. However in a given calendar year, no retail electric supplier shall be required to approve any application for interconnection if the total rated generating capacity of all application for interconnection already approved to date by said supplier in said calendar year equals or exceeds one percent (1.0%) of said supplier's single-hour peak load for the previous calendar year.

\* II. Billing.

a) Energy Pricing and Billing. Each billing period, Company shall measure the net electrical energy produced or consumed and bill the Customer-Generator as follows:

i. If the electricity supplied by Company exceeds the electricity supplied by the Customer-Generator to Company, Company's bill will reflect the net electricity supplied by Company and the Customer-Generator's current service classification.

ii. If the electricity supplied by Company is less than the electricity supplied by the Customer-Generator to Company, Company's bill will include a credit for the net electricity received by Company in accordance with the Non-Time-Differentiated Energy Rates contained in Section A.II.1 herein.

b) Minimum Bill

Net metering does not modify or eliminate any customer obligation(s) or billing provision(s) of the Customer's current rate schedule for delivery of electric power and energy such as the Customer Charge or any minimum billing demand (if applicable).

\* Indicates change

FILED  
Missouri Public  
Service Commission

January 1, 2008

~~January 20, 2008~~

P.S.C. Mo. DATE OF ISSUE December 21, 2007 DATE EFFECTIVE January 1, 2008

ISSUED BY T. R. Voss President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

P.S.C. MO. SCHEDULE NO. 1 Original SHEET NO. 8

CANCELLING SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREA

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS

I. Application. This tariff applies to Company or UE purchases of electric energy from Qualified Net Metering Units (hereinafter referred to as "Customer-Generator") under the provisions of Rule 4 CSR 240-20.065 of the Missouri Public Service Commission. The Customer-Generator must meet the general technical requirements, testing requirements, and liability requirements listed under the provisions of Rule 4 CSR 240-20.065 as well as the requirements specified in the Customer-Generators' applicable rate class under the Company's Schedule 5 - Schedule of Rates for Electric Service. Service under this rate shall be evidenced by a contract between Customer-Generator and the Company per the Interconnection Application/Agreement for Net Metering Systems With Capacity of 100 kW or less. Company will provide net metering service until the total rated generating capacity used by Customer-Generators is equal to or in excess of the lesser of ten thousand kilowatts (10,000 kW) or one-tenth of one percent (0.1%) of the capacity necessary to meet Company's aggregate customer peak demand for the preceding calendar year.

II. Billing.

a) Energy Pricing and Billing. The value of the electric energy delivered to the Customer-Generator shall be billed in accordance with the Company's applicable Schedule 5 - Schedule of Rates for Electric Service, Service Classification with the application of the Time-of-Day billing provisions. The value of the electric energy delivered by the Customer-Generator to Company shall be credited under the Time-Differentiated Energy Rates contained in Section A.II.2. herein. Customer-Generator's monthly bill shall be the total of these calculations.

b) Customer Charge

The amount listed for the customer's current rate schedule for delivery of electric power and energy.

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Missouri Public  
Service Commission

August 28, 2003

P.S.C. MO. DATE OF ISSUE August 14, 2003 DATE EFFECTIVE ~~September 15, 2003~~

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

CANCELLED  
January 1, 2008  
Missouri Public  
Service Commission

APPLYING TO MISSOURI SERVICE AREA

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS - (CONTINUED)

\* c) Net Metering Rate (Avoided Fuel Cost)

Summer Rate (Applicable during 4 monthly billing period of June through September): 2.06¢ per kWh

Winter Rate (Applicable during 8 monthly billing periods of October through May): 1.90¢ per kWh

The above rates are updated during each odd-numbered year with the update typically effective February 15.

III. Contract. Whether or not purchases are made by Company under the standard rates, Company shall not be required to make any purchase from Customer-Generator until Company and Customer-Generator have entered into a written contract for such purchases.

IV. All provisions of this tariff are subject to all Commission rules and regulations as may be revised from time-to-time. All terms of the tariff are also subject to the Commission's normal complaint and arbitration procedures.

V. Guideline Technical Requirements for Parallel Operation with the Company's System.

1. Introduction

The minimum technical requirements for safe parallel operation of Customer-Generator's electrical generating facilities with the Company's system are set forth below. These requirements will serve as a guide for Company and Customer-Generator engineering when planning such an installation; however, it is recognized that each installation may have specific requirements other than those set forth herein as a result of each installation's unique nature.

2. General Technical Requirements

A. Protection

- (1) Customer-Generator shall install protective devices capable of detecting fault conditions on both his system and the Company's system. These devices will separate Customer-Generator's system from the Company's system either directly or through an auxiliary device such as a circuit breaker. The separating device must be capable of interrupting the available fault current. The detection sensitivity and operating speed of these devices must be compatible with protective devices on the Company's system.
- (2) The Customer-Generator shall install equipment designed to automatically separate his system from the Company's system upon loss of the normal Company supply.
- (3) The Customer-Generator is responsible for protecting Customer-Generator's equipment in such a manner that faults or other disturbances on the Company's system or on Customer-Generator's system do not cause damage to his equipment.

\* Indicates Change.

FILED  
Missouri Public  
Service Commission  
ET-2013-0351; YE-2013-0313

CANCELLED DATE OF ISSUE January 9, 2013 DATE EFFECTIVE February 8, 2013 ~~February 8, 2013~~ January 24, 2013

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS - (CONTINUED)

- \* c) Net Metering Rate (Avoided Fuel Cost)  
 Summer Rate (Applicable during 4 monthly billing period of June through September): 1.98¢ per kWh  
 Winter Rate (Applicable during 8 monthly billing periods of October through May): 1.75¢ per kWh  
 The above rates are updated during each odd-numbered year with the update typically effective February 15.

III. Contract. Whether or not purchases are made by Company under the standard rates, Company shall not be required to make any purchase from Customer-Generator until Company and Customer-Generator have entered into a written contract for such purchases.

IV. All provisions of this tariff are subject to all Commission rules and regulations as may be revised from time-to-time. All terms of the tariff are also subject to the Commission's normal complaint and arbitration procedures.

V. Guideline Technical Requirements for Parallel Operation with the Company's System.

1. Introduction

The minimum technical requirements for safe parallel operation of Customer-Generator's electrical generating facilities with the Company's system are set forth below. These requirements will serve as a guide for Company and Customer-Generator engineering when planning such an installation; however, it is recognized that each installation may have specific requirements other than those set forth herein as a result of each installation's unique nature.

2. General Technical Requirements

A. Protection

- (1) Customer-Generator shall install protective devices capable of detecting fault conditions on both his system and the Company's system. These devices will separate Customer-Generator's system from the Company's system either directly or through an auxiliary device such as a circuit breaker. The separating device must be capable of interrupting the available fault current. The detection sensitivity and operating speed of these devices must be compatible with protective devices on the Company's system.
- (2) The Customer-Generator shall install equipment designed to automatically separate his system from the Company's system upon loss of the normal Company supply.
- (3) The Customer-Generator is responsible for protecting Customer-Generator's equipment in such a manner that faults or other disturbances on the Company's system or on Customer-Generator's system do not cause damage to his equipment.

\* Indicates Change.

FILED  
 Missouri Public  
 Service Commission  
 YE-2013-0208

November 29, 2012

APPLYING TO MISSOURI SERVICE AREA

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS - (CONTINUED)

\* c) Avoided Fuel Cost

Company's Avoided Fuel Cost as defined in 4 CSR 240-20.065 is \$0.0166 per kWh. However, this rate is not applicable to net metering as the Commission has approved Company's use of rates applicable to Qualifying Facilities (Section A.II.1 herein) in lieu of the Avoided Fuel Cost, consistent with the Commission's Order in Case No. EX-2008-0280.

III. Contract. Whether or not purchases are made by Company under the standard rates, Company shall not be required to make any purchase from Customer-Generator until Company and Customer-Generator have entered into a written contract for such purchases.

IV. All provisions of this tariff are subject to all Commission rules and regulations as may be revised from time-to-time. All terms of the tariff are also subject to the Commission's normal complaint and arbitration procedures.

V. Guideline Technical Requirements for Parallel Operation with the Company's System.

1. Introduction

The minimum technical requirements for safe parallel operation of Customer-Generator's electrical generating facilities with the Company's system are set forth below. These requirements will serve as a guide for Company and Customer-Generator engineering when planning such an installation; however, it is recognized that each installation may have specific requirements other than those set forth herein as a result of each installation's unique nature.

2. General Technical Requirements

A. Protection

(1) Customer-Generator shall install protective devices capable of detecting fault conditions on both his system and the Company's system. These devices will separate Customer-Generator's system from the Company's system either directly or through an auxiliary device such as a circuit breaker. The separating device must be capable of interrupting the available fault current. The detection sensitivity and operating speed of these devices must be compatible with protective devices on the Company's system.

(2) The Customer-Generator shall install equipment designed to automatically separate his system from the Company's system upon loss of the normal Company supply.

(3) The Customer-Generator is responsible for protecting Customer-Generator's equipment in such a manner that faults or other disturbances on the Company's system or on Customer-Generator's system do not cause damage to his equipment.

\* Indicates Change.

CANCELED  
November 29, 2012  
Missouri Public  
Service Commission

FILED  
Missouri Public  
Service Commission  
JE-2012-0722

ET-2013-0497-MS08 013-0208 May 11, 2012 DATE EFFECTIVE June 10, 2012

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS - (CONTINUED)

\* c) Avoided Fuel Cost

Company's Avoided Fuel Cost as defined in 4 CSR 240-20.065 is \$0.0163 per kWh. However, this rate is not applicable to net metering as the Commission has approved Company's use of rates applicable to Qualifying Facilities (Section A.II.1 herein) in lieu of the Avoided Fuel Cost, consistent with the Commission's Order in Case No. EX-2008-0280.

III. Contract. Whether or not purchases are made by Company under the standard rates, Company shall not be required to make any purchase from Customer-Generator until Company and Customer-Generator have entered into a written contract for such purchases.

IV. All provisions of this tariff are subject to all Commission rules and regulations as may be revised from time-to-time. All terms of the tariff are also subject to the Commission's normal complaint and arbitration procedures.

V. Guideline Technical Requirements for Parallel Operation with the Company's System.

1. Introduction

The minimum technical requirements for safe parallel operation of Customer-Generator's electrical generating facilities with the Company's system are set forth below. These requirements will serve as a guide for Company and Customer-Generator engineering when planning such an installation; however, it is recognized that each installation may have specific requirements other than those set forth herein as a result of each installation's unique nature.

2. General Technical Requirements

A. Protection

- (1) Customer-Generator shall install protective devices capable of detecting fault conditions on both his system and the Company's system. These devices will separate Customer-Generator's system from the Company's system either directly or through an auxiliary device such as a circuit breaker. The separating device must be capable of interrupting the available fault current. The detection sensitivity and operating speed of these devices must be compatible with protective devices on the Company's system.
- (2) The Customer-Generator shall install equipment designed to automatically separate his system from the Company's system upon loss of the normal Company supply.
- (3) The Customer-Generator is responsible for protecting Customer-Generator's equipment in such a manner that faults or other disturbances on the Company's system or on Customer-Generator's system do not cause damage to his equipment.

\* Indicates Change.

**CANCELED**  
**June 10, 2012**  
**Missouri Public**  
**Service Commission**  
**JE-2012-0722**

**FILED**  
**Missouri Public**  
**Service Commission**  
**JE-2011-0572**

APPLYING TO MISSOURI SERVICE AREA

**\*\*B.** ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS -  
(CONTINUED)

\* c) Avoided Fuel Cost

Company's Avoided Fuel Cost as defined in 4 CSR 240-20.065 is \$0.0143 per kWh. However, this rate is not applicable to net metering as the Commission has approved Company's use of rates applicable to Qualifying Facilities (Section A.II.1 herein) in lieu of the Avoided Fuel Cost.

III. Contract. Whether or not purchases are made by Company under the standard rates, Company shall not be required to make any purchase from Customer-Generator until Company and Customer-Generator have entered into a written contract for such purchases.

IV. All provisions of this tariff are subject to all Commission rules and regulations as may be revised from time-to-time. All terms of the tariff are also subject to the Commission's normal complaint and arbitration procedures.

V. Guideline Technical Requirements for Parallel Operation with the Company's System.

1. Introduction

The minimum technical requirements for safe parallel operation of Customer-Generator's electrical generating facilities with the Company's system are set forth below. These requirements will serve as a guide for Company and Customer-Generator engineering when planning such an installation; however, it is recognized that each installation may have specific requirements other than those set forth herein as a result of each installation's unique nature.

2. General Technical Requirements

A. Protection

(1) Customer-Generator shall install protective devices capable of detecting fault conditions on both his system and the Company's system. These devices will separate Customer-Generator's system from the Company's system either directly or through an auxiliary device such as a circuit breaker. The separating device must be capable of interrupting the available fault current. The detection sensitivity and operating speed of these devices must be compatible with protective devices on the Company's system.

(2) The Customer-Generator shall install equipment designed to automatically separate his system from the Company's system upon loss of the normal Company supply.

(3) The Customer-Generator is responsible for protecting Customer-Generator's equipment in such a manner that faults or other disturbances on the Company's system or on Customer-Generator's system do not cause damage to his equipment. **FILED**

\*Indicates Addition. \*\*Indicates Change.

Missouri Public  
Service Commission  
ET 2011-0102, YE 2011-0217

CANCELLED  
June 12, 2011  
Missouri Public  
Service Commission  
JE-2011-0572

DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS - (CONTINUED)

- III. Contract. Whether or not purchases are made by Union Electric Company under the standard rates, Union Electric Company shall not be required to make any purchase from Customer-Generator until Union Electric Company and Customer-Generator have entered into a written contract for such purchases.
- IV. All provisions of this tariff are subject to all Commission rules and regulations as may be revised from time-to-time. All terms of the tariff are also subject to the Commission's normal complaint and arbitration procedures.
- V. Guideline Technical Requirements for Parallel Operation with the Union Electric System.

1. Introduction

The minimum technical requirements for safe parallel operation of Customer-Generator's electrical generating facilities with the UE system are set forth below. These requirements will serve as a guide for UE and Customer-Generator engineering when planning such an installation; however, it is recognized that each installation may have specific requirements other than those set forth herein as a result of each installation's unique nature.

2. General Technical Requirements

A. Protection

- (1) Customer-Generator shall install protective devices capable of detecting fault conditions on both his system and the UE system. These devices will separate Customer-Generator's system from the UE system either directly or through an auxiliary device such as a circuit breaker. The separating device must be capable of interrupting the available fault current. The detection sensitivity and operating speed of these devices must be compatible with protective devices on the UE system.
- (2) The Customer-Generator shall install equipment designed to automatically separate his system from the UE system upon loss of the normal UE supply.
- (3) The Customer-Generator is responsible for protecting Customer-Generator's equipment in such a manner that faults or other disturbances on the UE system or on Customer-Generator's system do not cause damage to his equipment.

FILED  
 Missouri Public  
 Service Commission

August 28, 2003

CANCELLED  
 November 27, 2010  
 Missouri Public  
 Service Commission  
 ET-2011-0102; YE-2011-0247

APPLYING TO MISSOURI SERVICE AREA

\*B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS -  
(CONTINUED)

- (4) Customer-Generator shall furnish information to Company regarding his proposed generation equipment and protective devices prior to parallel operation. Company will check the adequacy of this proposed equipment and its compatibility with protective devices on the Company's system and will either approve as submitted or specify additional equipment which will be required in order to begin parallel operation with the Company's system.
- (5) All protective relay settings that would affect any Company system relay settings will be specified by Company. These relays will be initially calibrated by Company to assure proper operation.
- (6) A manual visible disconnect switch must be provided which is under the exclusive jurisdictional control of the Company's dispatcher. This manual switch must have the capability to be locked out of service by a Company-authorized switchman.
- (7) The above statements are the basic minimum protection requirements that would be associated with parallel generation. Additional requirements and/or equipment would depend on an in-depth study of each proposed connection.

B. Operation

- (1) Under certain conditions the intertie breaker (if one is required) must be operated by Customer-Generator in order for Company to operate the manual disconnect switch. Company may request this action for any of the following reasons:
  - a. System emergency.
  - b. Inspection of Customer-Generator's generating equipment or protective equipment reveals an unsafe condition.
  - c. Customer-Generator's generating equipment interferes with other customers or with the operation of the Company's system.
  - d. An outage is scheduled on the Company's supply circuit or feeder.

\* Indicates Change.

FILED  
 Missouri Public  
 Service Commission

ET-2011-0102; YE-2011-0217

CANCELLED  
 June 30, 2013  
 Missouri Public  
 Service Commission

DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
 NAME OF OFFICER TITLE ADDRESS

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS -  
(CONTINUED)

- (4) Customer-Generator shall furnish information to UE regarding his proposed generation equipment and protective devices prior to parallel operation. UE will check the adequacy of this proposed equipment and its compatibility with protective devices on the UE system and will either approve as submitted or specify additional equipment which will be required in order to begin parallel operation with the UE system.
- (5) All protective relay settings that would affect any UE system relay settings will be specified by UE. These relays will be initially calibrated by UE to assure proper operation.
- (6) A manual visible disconnect switch must be provided which is under the exclusive jurisdictional control of the UE dispatcher. This manual switch must have the capability to be locked out of service by a UE-authorized switchman.
- (7) The above statements are the basic minimum protection requirements that would be associated with parallel generation. Additional requirements and/or equipment would depend on an in-depth study of each proposed connection.

B. Operation

- (1) Under certain conditions the intertie breaker (if one is required) must be operated by Customer-Generator in order for UE to operate the manual disconnect switch. UE may request this action for any of the following reasons:
  - a. System emergency.
  - b. Inspection of Customer-Generator's generating equipment or protective equipment reveals an unsafe condition.
  - c. Customer-Generator's generating equipment interferes with other customers or with the operation of the UE system.
  - d. An outage is scheduled on the UE supply circuit or feeder.

FILED  
 Missouri Public  
 Service Commission

August 28, 2003

CANCELLED  
 November 27, 2010  
 Missouri Public  
 Service Commission  
 ET-2011-0102; YE-2011-0267

APPLYING TO MISSOURI SERVICE AREA

\*B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS (CONTINUED)

(2) Customer-Generator shall be solely responsible for properly synchronizing his generating equipment with the Company's frequency and voltage. This includes resynchronizing his generator(s) after system outages or disturbances.

C. Quality of Service

(1) The interconnection of Customer-Generator's generating equipment with the Company's system shall not cause any reduction in the quality of service being provided to other customers or cause any undesirable effect on any Company facilities. Such interconnection shall be pursuant to the latest revision of IEEE 519 and IEEE 1547.

(2) The power factor of Customer-Generator's load with his generating equipment connected shall not be less than that specified by retail tariff for his applicable customer class.

D. Metering and/or Additional Distribution Equipment

The revenue metering for Net Metering shall be sufficient to measure the net amount of electrical energy produced or consumed by the Customer-Generator. If the Customer-Generator's existing meter equipment does not meet these requirements or if it is necessary for Company to install additional distribution equipment to accommodate the Customer-Generator's facility, the Customer-Generator shall reimburse the Company for the costs to purchase and install the necessary additional equipment.

At the request of the Customer-Generator, such costs may be initially paid for by Company, and any amount up to the total costs and a reasonable interest charge may be recovered from the Customer-Generator over the course of up to twelve (12) billing periods. Net Metering cannot occur until the installation of such meter(s) and/or additional distribution equipment has been completed.

\* Indicates Change.

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ET-2011-0102; YE-2011-0217

CANCELLED DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

June 30, 2013

Missouri Public ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri

Service Commission NAME OF OFFICER TITLE ADDRESS

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 1st Revised SHEET NO. 11

CANCELLING SCHEDULE NO. 1 Original SHEET NO. 11

APPLYING TO MISSOURI SERVICE AREA

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS (CONTINUED)

(2) Customer-Generator shall be solely responsible for properly synchronizing his generating equipment with the UE frequency and voltage. This includes resynchronizing his generator(s) after system outages or disturbances.

C. Quality of Service

(1) The interconnection of Customer-Generator's generating equipment with the UE system shall not cause any reduction in the quality of service being provided to other customers or cause any undesirable effect on any UE facilities. Such interconnection shall be pursuant to the latest revision of IEEE 519 and IEEE 1547.

(2) The power factor of Customer-Generator's load with his generating equipment connected shall not be less than that specified by retail tariff for his applicable customer class.

\* D. Metering and/or Additional Distribution Equipment

The revenue metering for Net Metering shall be sufficient to measure the net amount of electrical energy produced or consumed by the Customer-Generator. If the Customer-Generator's existing meter equipment does not meet these requirements or if it is necessary for Company to install additional distribution equipment to accommodate the Customer-Generator's facility, the Customer-Generator shall reimburse the Company for the costs to purchase and install the necessary additional equipment.

At the request of the Customer-Generator, such costs may be initially paid for by Company, and any amount up to the total costs and a reasonable interest charge may be recovered from the Customer-Generator over the course of up to twelve (12) billing periods. Net Metering cannot occur until the installation of such meter(s) and/or additional distribution equipment has been completed.

\*Indicates Change

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January 1, 2008

P.S.C. Mo. DATE OF ISSUE December 21, 2007 DATE EFFECTIVE January 20, 2008

ISSUED BY T. R. Voss President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

ET-2008-0393

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS - (CONTINUED)

(2) Customer-Generator shall be solely responsible for properly synchronizing his generating equipment with the UE frequency and voltage. This includes resynchronizing his generator(s) after system outages or disturbances.

C. Quality of Service

(1) The interconnection of Customer-Generator's generating equipment with the UE system shall not cause any reduction in the quality of service being provided to other customers or cause any undesirable effect on any UE facilities. Such interconnection shall be pursuant to the latest revision of IEEE 519 and 1547.

(2) The power factor of Customer-Generator's load with his generating equipment connected shall not be less than that specified by retail tariff for his applicable customer class.

D. Metering

The revenue metering for Net Metering shall include two series connected watt-hour meters with detents. One meter shall be connected to measure energy supply to the Customer-Generator from Company during the billing period; the other meter shall measure Customer-Generator generated energy from the Customer-Generator to Company during the billing period. The meter detents prevent operation of either meter in the reverse direction. The Customer-Generator is responsible for additional metering costs for the metering equipment required for metering the energy from the Customer-Generator to Company. In order to properly measure the net energy from the Customer-Generator to Company, meters capable of measuring 15 minute interval usage may be required.

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Service Commission

August 28, 2003

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 2nd Revised SHEET NO. 12

CANCELLING SCHEDULE NO. 1 1st Revised SHEET NO. 12

APPLYING TO MISSOURI SERVICE AREA

\*B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS-(CONTINUED)

E. Other Requirements

- (1) All Customer-Generator installations shall adhere to any applicable requirements of the National Electrical Safety Code, the National Electric Code, Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), local electric codes, applicable NEMA codes, OSHA, and Company's Electric Service Rules as set forth in published tariffs.

\*Indicates Change.

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P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 1st Revised SHEET NO. 12

CANCELLING SCHEDULE NO. 1 Original SHEET NO. 12

APPLYING TO MISSOURI SERVICE AREA

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS-(CONTINUED)

E. Other Requirements

- \* (1) All Customer-Generator installations shall adhere to any applicable requirements of the National Electrical Safety Code, the National Electric Code, Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratories (UL), local electric codes, applicable NEMA codes, OSHA, and UE's Electric Service Rules as set forth in published tariffs.

\*Indicates Change

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ISSUED BY T. R. Voss President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

ET-2008-0393

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 ORIGINAL SHEET NO. 12

CANCELLING SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREA

B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS - (CONTINUED)

E. Other Requirements

- (1) All Customer-Generator installations shall adhere to any applicable requirements of the National Electrical Safety Code, the National Electric Code, applicable NEMA codes, OSHA, and UE's Electric Service Rules as set forth in published tariffs.
- (2) Customer-Generator will bear all interconnection costs of parallel operation over and above the normal cost to serve his load.

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Service Commission

August 28, 2003

P.S.C. Mo. DATE OF ISSUE August 14, 2003 DATE EFFECTIVE ~~September 13, 2003~~

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri

NAME OF OFFICER TITLE ADDRESS

CANCELLED  
January 1, 2008  
Missouri Public  
Service Commission

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS**

**Ameren Missouri Address:**

One Ameren Plaza  
1901 Chouteau Avenue  
P.O. Box 66149, MC 1450  
St. Louis MO 63103  
Att: General Executive, Renewables

**\*For Customers Applying for Interconnection:**

If you are interested in applying for interconnection to the electrical system of Union Electric Company d/b/a Ameren Missouri (Company), you should first contact Company and ask for information related to interconnection of parallel generation equipment to Company's system and you should understand this information before proceeding with this Application.

If you wish to apply for interconnection to Company's electrical system, please complete sections A, B, C, and D, and attach the plans and specifications including, but not limited to, describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Company at the address above.

The Company will provide notice of approval or denial within thirty (30) days of receipt by Company for Customer-Generators of ten kilowatts (10 kW) or less and within ninety (90) days of receipt by Company for Customer-Generators of greater than ten kilowatts (10 kW). If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Company, it shall become a binding contract and shall govern your relationship with Company.

**\*For Customers Who Have Received Approval of Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Company for review and completion of section G at the address above. Prior to the interconnection of the qualified generation unit to Company's system, the Customer-Generator will furnish Company a certification from a qualified professional electrician or engineer that the installation meets the plans and specification described in the application and, if a local Authority Housing Jurisdiction (AHJ) is applicable, the permit number and approval certification. If the application for interconnection is approved by Company and the Customer-Generator does not complete the interconnection within one (1) year after receipt of notice of the approval, the approval shall expire and the Customer-Generator shall be responsible for filing a new application.

Company will complete the utility portion of section G and, upon receipt of a completed Application/Agreement form and payment of any applicable fees, schedule a date for interconnection of the Customer-Generator System to Company's electrical system within fifteen (15) days of receipt by Company if electric service already exists to the premises, unless the Customer-Generator and Company agree to a later date. Similarly, upon receipt of a completed Application/Agreement form and payment of any applicable fees, if electric service does not exist to the premises, Company will schedule a date for interconnection of the Customer-Generator System to Company's electrical system no later than fifteen (15) days after service is established to the premises, unless the Customer-Generator and Company agree to a later date.

**\*\*For Customers Who Are Installing Solar Systems:**

Upon completion of section H and I, a rebate of \$2/watt up to 25,000 watts (25kW) is available from Company on an expanded or new system that becomes operational after 12/31/2009 with a maximum rebate of \$50,000. Please refer to Company's Rider SR – Solar Rebate for additional details and requirements.

\* Indicates Change. \*\* Indicates Addition.

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**Missouri Public**  
**Service Commission**  
**YE-2013-0208**

CANCELLED DATE OF ISSUE October 29, 2012 DATE EFFECTIVE November 28, 2012 **November 29, 2012**

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS**

**\*\*For Customers Applying for Interconnection:**

If you are interested in applying for interconnection to the electrical system of Union Electric Company d/b/a Ameren Missouri (Company), you should first contact Company and ask for information related to interconnection of parallel generation equipment to Company’s system and you should understand this information before proceeding with this Application. If you wish to apply for interconnection to Company’s electrical system, please complete sections A, B, C, and D, and attach complete plans, specifications, schematics and wiring diagrams describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the “Customer-Generator’s System”) and submit them to Company at:

One Ameren Plaza  
1901 Chouteau Avenue  
\* P.O. Box 66149, MC 611  
St. Louis MO 63103  
\*\*Att: General Executive, Renewables

You will be provided with an approval or denial of this Application. Company will provide notice of approval or denial within thirty (30) days of receipt by Company for Customer-Generators of 10 kW or less and within ninety (90) days of receipt by Company for Customer-Generators greater than 10 kW. If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Company, it shall become a binding contract and shall govern your relationship with Company.

**For Customers Who Have Received Approval of Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Company for review and completion of section G at:

One Ameren Plaza  
1901 Chouteau Avenue  
\* P.O. Box 66149, MC 611  
St. Louis MO 63103  
\*\*Att: General Executive, Renewables

Company will complete the utility portion of section G and, upon receipt of a completed Application/Agreement form and payment of any applicable fees, permit interconnection of the Customer-Generator System to Company’s electrical system. Customer-Generator will have one (1) year from the time of Company’s approval to complete the interconnection after which time, the approval shall expire and the Customer-Generator shall be responsible for filing a new application.

**For Customers Who Are Assuming Ownership or Operational Control of an Existing Customer-Generator System:**

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Company at:

One Ameren Plaza  
1901 Chouteau Avenue  
\* P.O. Box 66149, MC 611  
St. Louis MO 63103  
\*\*Att: General Executive, Renewables

CANCELED

November 20, 2010  
Indicates Addition. \*\* Indicates Change.  
Missouri Public

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ET-2013-0197 YE-2013-0208

DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS**

**\* For Customers Applying for Interconnection:**

If you are interested in applying for interconnection to the electrical system of Union Electric Company d/b/a AmerenUE (Company), you should first contact Company and ask for information related to interconnection of parallel generation equipment to Company's system and you should understand this information before proceeding with this Application. If you wish to apply for interconnection to Company's electrical system, please complete sections A, B, C, and D, and attach complete plans, specifications, schematics and wiring diagrams describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Company at:

One Ameren Plaza  
1901 Chouteau Avenue  
St. Louis MO 63103  
Att: Manager Regulatory

You will be provided with an approval or denial of this Application. Company will provide notice of approval or denial within thirty (30) days of receipt by Company for Customer-Generators of 10 kW or less and within ninety (90) days of receipt by Company for Customer-Generators greater than 10 kW. If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Company, it shall become a binding contract and shall govern your relationship with Company.

**\* For Customers Who Have Received Approval of Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Company for review and completion of section G at:

One Ameren Plaza  
1901 Chouteau Avenue  
St. Louis MO 63103  
Att: Manager Regulatory

Company will complete the utility portion of section G and, upon receipt of a completed Application/Agreement form and payment of any applicable fees, permit interconnection of the Customer-Generator System to Company's electrical system. Customer-Generator will have one (1) year from the time of Company's approval to complete the interconnection after which time, the approval shall expire and the Customer-Generator shall be responsible for filing a new application.

**\* For Customers Who Are Assuming Ownership or Operational Control of an Existing Customer-Generator System:**

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Company at:

One Ameren Plaza  
1901 Chouteau Avenue  
St. Louis MO 63103  
Att: Manager Regulatory

\*Indicates Change

**FILED**  
**Missouri Public**  
**Service Commission**  
**January 1, 2008**

CANCELLED  
November 27, 2010  
Missouri Public  
Service Commission  
ET-2011-0102; YE-2011-0217

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 ORIGINAL SHEET NO. 13CANCELLING SCHEDULE NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_  
APPLYING TO MISSOURI SERVICE AREA**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING  
SYSTEMS WITH CAPACITY OF 100 kW OR LESS****For Customers Applying for Interconnection:**

If you are interested in applying for interconnection to Union Electric Company's (Company) electrical system, you should first contact Company and ask for information related to interconnection of parallel generation equipment to Company's system and you should understand this information before proceeding with this Application. If you wish to apply for interconnection to Company's electrical system, please complete sections A, B, C, and D, and attach the plans and specifications describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to Company at:

One Ameren Plaza  
1901 Chouteau Avenue  
St. Louis MO 63103

Att: Manager Regulatory Development

You will be provided with an approval or denial of this Application within ninety (90) days of receipt by Company. If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and Company, it shall become a binding contract and shall govern your relationship with Company.

**For Customers Who Have Received Approval of  
Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to Company for review and completion of section G at:

One Ameren Plaza  
1901 Chouteau Avenue  
St. Louis MO 63103

Att: Manager Regulatory Development

Company will complete the utility portion of section G and, upon receipt of a completed Application/Agreement form and payment of any applicable fees, permit interconnection of the Customer-Generator System to Company's electrical system within fifteen (15) days of receipt by Company if electric service already exists to the premises, unless the Customer-Generator and Company agree to a later date. Similarly, upon receipt of a completed Application/Agreement form and payment of any applicable fees, if electric service does not exist to the premises, Company will permit interconnection of the Customer-Generator System to Company's electrical system no later than fifteen (15) days after service is established to the premises, unless the Customer-Generator and Company agree to a later date.

**For Customers Who Are Assuming Ownership or Operational  
Control of an Existing Customer-Generator System:**

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Company at:

One Ameren Plaza  
1901 Chouteau Avenue  
St. Louis MO 63103

Att: Manager Regulatory Development

FILED  
Missouri Public  
Service Commission

August 28, 2003

P.S.C. Mo. DATE OF ISSUE August 14, 2003 DATE EFFECTIVE ~~September 13, 2003~~  
ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 3rd Revised SHEET NO. 14

CANCELLING SCHEDULE NO. 1 2nd Revised SHEET NO. 14

APPLYING TO MISSOURI SERVICE AREA

INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS - (CONTINUED)

\*For Customers Who Are Assuming Ownership or Operational Control of an Existing Customer-Generator System:

If no changes are being made to the existing Customer-Generator System, complete sections A, D and F of this Application/Agreement and forward to Company at the address above. Company will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by Company, if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

\*A. Customer-Generator's Information

Name on Company Electric Account: \_\_\_\_\_

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

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

Service/Street Address (if different from above): \_\_\_\_\_

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

Electric Account Holder Contact Person: \_\_\_\_\_

Daytime Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Emergency Contact Phone: \_\_\_\_\_

Company Account No. (from Utility Bill): \_\_\_\_\_

If account has multiple meters, provide the meter number to which generation will be connected: \_\_\_\_\_

\*B. Customer-Generator's System Information

Manufacturer Name Plate: \_\_\_\_\_ Power Rating: \_\_\_\_\_ kW AC or DC (circle one)

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

System Type: \_\_\_ Wind, \_\_\_ Fuel Cell, \_\_\_ Solar Thermal, \_\_\_ Photovoltaic, \_\_\_ Hydroelectric,

\_\_\_ Other (describe) \_\_\_\_\_

Inverter/Interconnection Equipment Manufacturer: \_\_\_\_\_

Inverter/Interconnection Equipment Model No.: \_\_\_\_\_

Inverter/Interconnection Equipment Location (describe): \_\_\_\_\_

Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Distance from Meter: \_\_\_\_\_

Describe the location of the disconnect switch: \_\_\_\_\_

If disconnect switch is greater than 10 feet from electric service meter, describe why an alternate location is being requested: \_\_\_\_\_

\* Indicates Change.

FILED Missouri Public Service Commission YE-2013-0208

CANCELLED June 30, 2013 Missouri Public Service Commission

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ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

Company will review the new Application/Agreement and shall approve such if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

**A. Customer-Generator's Information**

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

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

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

Service/Street Address (if different from above): \_\_\_\_\_

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

Daytime Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Emergency Contact Phone: \_\_\_\_\_

Company Account No. (from Utility Bill): \_\_\_\_\_

**\*B. Customer-Generator's System Information**

System Type/Manufacturer Name Plate Capacity:

Photovoltaic \_\_\_\_\_ Wind \_\_\_\_\_ DC Power Rating \_\_\_\_\_ kW Voltage \_\_\_\_\_ Volts

Solar/Thermal \_\_\_\_\_ Thermal \_\_\_\_\_ Fuel Cell \_\_\_\_\_ Hydroelectric \_\_\_\_\_ Other (describe) \_\_\_\_\_

(circle one) DC / AC Power Rating \_\_\_\_\_ kW Voltage \_\_\_\_\_ Volts

Service/Street Address: \_\_\_\_\_

Inverter/Interconnection Equipment Manufacturer: \_\_\_\_\_

Inverter/Interconnection Equipment Model No.: \_\_\_\_\_

Are Required System Plans & Specifications Attached? Yes \_\_\_\_\_ No \_\_\_\_\_

Inverter/Interconnection Equipment Location (describe): \_\_\_\_\_

Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Location (describe):

Existing Electrical Service Capacity: \_\_\_\_\_ Amperes Voltage: \_\_\_\_\_ Volts

Service Character: Single Phase \_\_\_\_\_ Three Phase \_\_\_\_\_

CANCELED

November 29, 2012 \* Indicates Change.

Missouri Public

Service Commission

ET-2013-0197 YE-2013-0208

FILED  
Missouri Public  
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ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

\* Company will review the new Application/Agreement and shall approve such if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

**A. Customer-Generator's Information**

Name: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Service/Street Address (if different from above): \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Daytime Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Emergency Contact Phone: \_\_\_\_\_  
Company Account No. (from Utility Bill): \_\_\_\_\_

**B. Customer-Generator's System Information**

Manufacturer Name Plate (if applicable) AC Power Rating:     kW Voltage:     Volts  
System Type: Solar     Wind     Biomass     Fuel Cell     Other (describe) \_\_\_\_\_  
Service/Street Address: \_\_\_\_\_  
Inverter/Interconnection Equipment Manufacturer: \_\_\_\_\_  
Inverter/Interconnection Equipment Model No.: \_\_\_\_\_  
Are Required System Plans & Specifications Attached? Yes     No      
Inverter/Interconnection Equipment Location (describe): \_\_\_\_\_  
Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Location (describe): \_\_\_\_\_  
Existing Electrical Service Capacity:     Amperes Voltage:     Volts  
Service Character: Single Phase     Three Phase    

**C. Installation Information/Hardware and Installation Compliance**

Person or Company Installing: \_\_\_\_\_  
Contractor's License No. (if applicable): \_\_\_\_\_  
Approximate Installation Date: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Daytime Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
Person or Agency Who Will Inspect/Certify Installation: \_\_\_\_\_

\* Indicates Change

FILED  
Missouri Public  
Service Commission  
January 1, 2008

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November 27, 2010  
Missouri Public  
Service Commission  
ET-2011-0102; YE-2011-0217

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

Company will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by Company if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

**A. Customer-Generator's Information**

Name: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Service/Street Address (if different from above): \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Daytime Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
 Emergency Contact Phone: \_\_\_\_\_  
 Company Account No. (from Utility Bill): \_\_\_\_\_

**B. Customer-Generator's System Information**

Manufacturer Name Plate (if applicable) AC Power Rating: \_\_\_\_\_ kW Voltage: \_\_\_\_\_ Volts  
 System Type: Solar \_\_\_ Wind \_\_\_ Biomass \_\_\_ Fuel Cell \_\_\_ Other (describe) \_\_\_\_\_  
 Service/Street Address: \_\_\_\_\_  
 Inverter/Interconnection Equipment Manufacturer: \_\_\_\_\_  
 Inverter/Interconnection Equipment Model No.: \_\_\_\_\_  
 Are Required System Plans & Specifications Attached? Yes \_\_\_ No \_\_\_  
 Inverter/Interconnection Equipment Location (describe): \_\_\_\_\_  
 Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Location (describe): \_\_\_\_\_  
 Existing Electrical Service Capacity: \_\_\_\_\_ Amperes Voltage: \_\_\_\_\_ Volts  
 Service Character: Single Phase \_\_\_ Three Phase \_\_\_

**C. Installation Information/Hardware and Installation Compliance**

Person or Company Installing: \_\_\_\_\_  
 Contractor's License No. (if applicable): \_\_\_\_\_  
 Approximate Installation Date: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Daytime Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_  
 Person or Agency Who Will Inspect/Certify Installation: \_\_\_\_\_

FILED  
 Missouri Public  
 Service Commission

August 28, 2003

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 4th Revised SHEET NO. 15

CANCELLING SCHEDULE NO. 1 3rd Revised SHEET NO. 15

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**\*B. Customer-Generator’s System Information (Continued)**

Existing Electrical Service Capacity: \_\_\_\_\_ Amperes Voltage: \_\_\_\_\_ Volts

Service Character: Single Phase \_\_\_\_\_ Three Phase \_\_\_\_\_

Total capacity of existing Customer-Generator System (if applicable): \_\_\_\_\_ kW

**System Plans, Specifications and Wiring Diagram must be attached for a valid application.**

**\*C. Installation Information/Hardware and Installation Compliance**

Company Installing System: \_\_\_\_\_

Contact Person of Company Installing System: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Contractor’s License No. (if applicable): \_\_\_\_\_

Approximate Installation Date: \_\_\_\_\_

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

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

Daytime Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

\*The Customer-Generator’s proposed System hardware complies with all applicable National Electrical Safety Code (NESC), National Electrical Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741 and IEEE 1547. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Company. The proposed System has a lockable, visible AC disconnect device, accessible at all times to Company personnel located within the vicinity of the Customer-Generator’s electric service meter (except in cases where Company has approved an alternate location). The System is only required to include one lockable, visible disconnect device, accessible to Company. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement.

The Customer-Generator’s proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Company’s electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Company’s electric system is not energized or operating normally. If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Company’s electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): \_\_\_\_\_ Date: \_\_\_\_\_

Name (Print): \_\_\_\_\_

\* Indicates Change.

**FILED  
Missouri Public  
Service Commission  
YE-2013-0208**

DATE OF ISSUE October 29, 2012 DATE EFFECTIVE November 28, 2012

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**November 29, 2012**

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**\*C. Installation Information/Hardware and Installation Compliance**

Person or Company Installing: \_\_\_\_\_

Contractor’s License No. (if applicable): \_\_\_\_\_

Approximate Installation Date: \_\_\_\_\_

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

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

Daytime Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Person or Agency Who Will Inspect/Certify Installation: \_\_\_\_\_

The Customer-Generator’s proposed System hardware complies with all applicable National Electrical Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741, IEEE 929-2000 or IEEE 1547. The proposed installation also complies with all applicable local electrical codes. The proposed System has a lockable, visible disconnect device, accessible at all times to Company personnel located within the vicinity of the Customer-Generator’s meter. The System is only required to include one lockable, visible disconnect device, accessible to Company. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement.

The Customer-Generator’s proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Company’s electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Company’s electric system is not energized or operating normally. If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Company’s electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): \_\_\_\_\_ Date: \_\_\_\_\_

Name (Print): \_\_\_\_\_

**D. Additional Terms and Conditions**

In addition to abiding by Company’s other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

**1) Operation/Disconnection**

If it appears to Company, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator’s System is adversely affecting safety, power quality or reliability of Company’s electrical system, Company may immediately disconnect and lock-out the Customer-Generator’s System from Company’s electrical system. The Customer-Generator shall permit Company’s employees and inspectors reasonable access to inspect, test, and examine the Customer-Generator’s System.

CANCELED

November 29, 2012

Missouri Public

Service Commission

ET-2013-0197, YE-2013-0208

DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

FILED  
Missouri Public  
Service Commission  
ET-2011-0102; YE-2011-0217

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

\* The Customer-Generator’s proposed System hardware complies with all applicable National Electrical Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741, IEEE 929-2000 or IEEE 1547. The proposed installation also complies with all applicable local electrical codes. The proposed System has a lockable, visible disconnect device, accessible at all times to Company personnel located within the vicinity of the Customer-Generator’s meter. The System is only required to include one lockable, visible disconnect device, accessible to Company. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement.

The Customer-Generator’s proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Company’s electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Company’s electric system is not energized or operating normally. If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Company’s electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): \_\_\_\_\_ Date: \_\_\_\_\_

Name (Print): \_\_\_\_\_

**D. Additional Terms and Conditions**

In addition to abiding by Company’s other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

**1) Operation/Disconnection**

If it appears to Company, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator’s System is adversely affecting safety, power quality or reliability of Company’s electrical system, Company may immediately disconnect and lock-out the Customer-Generator’s System from Company’s electrical system. The Customer-Generator shall permit Company’s employees and inspectors reasonable access to inspect, test, and examine the Customer-Generator’s System.

**\* 2) Liability**

Liability insurance is not required for Customer-Generators when the generator is 10 kW or less. For generators greater than 10 kW, the Customer-Generator agrees to carry no less than \$100,000 of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator’s System. Insurance may be in the form of an existing policy or an endorsement on an existing policy.

**3) Interconnection Costs**

The Customer-Generator shall, at the Customer-Generator’s cost and expense, install, operate, maintain, repair, and inspect, and shall be fully responsible for the Customer-Generator’s System. The Customer-Generator further agrees to pay or reimburse to Company all of Company’s Interconnection Costs. Interconnection Costs

\* Indicates Change

CANCELLED  
November 27, 2010  
Missouri Public  
Service Commission  
ET-2011-0102; YE-2011-0217

FILED  
Missouri Public  
Service Commission  
January 1, 2008

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

\* The Customer-Generator’s proposed System hardware complies with all applicable National Electrical Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741, IEEE 929-2000 or IEEE 1547. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Company. The proposed System has a lockable, visible disconnect device, accessible at all times to Company personnel. The System is only required to include one lockable, visible disconnect device, accessible to Company. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement.

The Customer-Generator’s proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Company’s electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Company’s electric system is not energized or operating normally. If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Company’s electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): \_\_\_\_\_ Date: \_\_\_\_\_  
Name (Print): \_\_\_\_\_

**D. Additional Terms and Conditions**

In addition to abiding by Company’s other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

**1) Operation/Disconnection**

If it appears to Company, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator’s System is adversely affecting safety, power quality or reliability of Company’s electrical system, Company may immediately disconnect and lock-out the Customer-Generator’s System from Company’s electrical system. The Customer-Generator shall permit Company’s employees and inspectors reasonable access to inspect, test, and examine the Customer-Generator’s System.

**2) Liability**

The Customer-Generator agrees to carry no less than \$100,000 of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator’s System. Insurance may be in the form of an existing policy or an endorsement on an existing policy.

**3) Interconnection Costs**

The Customer-Generator shall, at the Customer-Generator’s cost and expense, install, operate, maintain, repair, and inspect, and shall be fully responsible for the Customer-Generator’s System. The Customer-Generator further agrees to pay or reimburse to Company all of Company’s Interconnection Costs. Interconnection Costs are the reasonable costs incurred by Company for: (1) additional tests or analyses of the effects of the operation of the Customer-Generator’s System on Company’s local distribution system, (2) additional metering, and (3) any necessary controls. These Interconnection Costs must be related to the installation of the

\* Indicates Change

Filed Pursuant to the Order of the Mo. P.S.C. in Case No. EO-2006-0497

P.S.C. Mo. DATE OF ISSUE July 30, 2007 DATE EFFECTIVE August 29, 2007

ISSUED BY T. R. Voss President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

CANCELLED  
January 1, 2008  
Missouri Public  
Service Commission

FILED  
Missouri Public  
Service Commission  
EO-2006-0497

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

The Customer-Generator’s proposed System hardware complies with all applicable National Electrical Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) requirements for electrical equipment and their installation. As applicable to System type, these requirements include, but are not limited to, UL 1741 and IEEE 929-2000. The proposed installation complies with all applicable local electrical codes and all reasonable safety requirements of Company. The proposed System has a lockable, visible disconnect device, accessible at all times to Company personnel. The System is only required to include one lockable, visible disconnect device, accessible to Company. If the interconnection equipment is equipped with a visible, lockable, and accessible disconnect, no redundant device is needed to meet this requirement.

The Customer-Generator’s proposed System has functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage, overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Company’s electrical system. The proposed System does have an anti-islanding function that prevents the generator from continuing to supply power when Company’s electric system is not energized or operating normally. If the proposed System is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed System includes a parallel blocking scheme for this backup source that prevents any backflow of power to Company’s electrical system when the electrical system is not energized or not operating normally.

Signed (Installer): \_\_\_\_\_ Date: \_\_\_\_\_  
 Name (Print): \_\_\_\_\_

**D. Additional Terms and Conditions**

In addition to abiding by Company’s other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

**1) Operation/Disconnection**

If it appears to Company, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator’s System is adversely affecting safety, power quality or reliability of Company’s electrical system, Company may immediately disconnect and lock-out the Customer-Generator’s System from Company’s electrical system. The Customer-Generator shall permit Company’s employees and inspectors reasonable access to inspect, test, and examine the Customer-Generator’s System.

**2) Liability**

The Customer-Generator agrees to carry no less than \$100,000 of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator’s System. Insurance may be in the form of an existing policy or an endorsement on an existing policy.

**3) Interconnection Costs**

The Customer-Generator shall, at the Customer-Generator’s cost and expense, install, operate, maintain, repair, and inspect, and shall be fully responsible for the Customer-Generator’s System. The Customer-Generator further agrees to pay or reimburse to Company all of Company’s Interconnection Costs. Interconnection Costs are the reasonable costs incurred by Company for: (1) additional tests or analyses of the effects of the operation of the Customer-Generator’s System on Company’s local distribution system, (2) additional metering, and (3) any necessary controls. These Interconnection Costs must be related to the installation of the

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**D. Additional Terms and Conditions**

In addition to abiding by Company’s other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

**1) Operation/Disconnection**

If it appears to Company, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator’s System is adversely affecting safety, power quality or reliability of Company’s electrical system, Company may immediately disconnect and lock-out the Customer-Generator’s System from Company’s electrical system. The Customer-Generator shall permit Company’s employees and inspectors reasonable access to inspect, test, and examine the Customer-Generator’s System.

**\*2) Liability**

Liability insurance is not required for Customer-Generators of ten kilowatts (10 kW) or less. For Customer-Generators greater than ten kilowatts (10 kW), the Customer-Generator agrees to carry no less than one hundred thousand dollars (\$100,000) of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator’s System. Insurance may be in the form of an existing policy or an endorsement on an existing policy.

Absent clear and convincing evidence of fault on the part of Company, Company cannot be held liable for any action or cause of action relating to any damages to property or person caused by the generation unit of a Customer-Generator or the interconnection thereof pursuant to section 386.890.11, RSMo Supp. 2008. Customer-Generators, including those whose systems are ten kilowatts (10 kW) or less, may have legal liabilities not covered under their existing insurance policy in the event the Customer-Generator’s negligence or other wrongful conduct causes personal injury (including death), damage to property, or other actions and claims.

**\*3) Metering & Distribution Costs**

A Customer-Generator’s facility shall be equipped with sufficient metering equipment that can measure the net amount of electrical energy produced or consumed by the Customer-Generator. If the Customer-Generator’s existing meter equipment does not meet these requirements or if it is necessary for Company to install additional distribution equipment to accommodate the Customer-Generator’s facility, the Customer-Generator shall reimburse Company for the costs to purchase and install the necessary additional equipment. At the request of the Customer-Generator, such costs may be initially paid for by Company, and any amount up to the total costs and a reasonable interest charge may be recovered from the Customer-Generator over the course of up to twelve (12) billing cycles. Any subsequent meter testing, maintenance, or meter equipment change necessitated by the Customer-Generator shall be paid for by the Customer-Generator.

**\*4) Ownership of Renewable Energy Credits or Renewable Energy Certificates (REC’s)**

RECs created through the generation of electricity by the Customer-Owner are owned by the Customer-Generator until explicitly transferred to another entity. Nothing in this contract gives Company any preferential entitlement to the RECs generated by the Customer-Generator’s system.

\* Indicates Change.

FILED  
Missouri Public  
Service Commission  
YE-2013-0208

CANCELLED DATE OF ISSUE October 29, 2012 DATE EFFECTIVE November 28, 2012

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**2) Liability**

Liability insurance is not required for Customer-Generators when the generator is 10 kW or less. For generators greater than 10 kW, the Customer-Generator agrees to carry no less than \$100,000 of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the Customer-Generator’s System. Insurance may be in the form of an existing policy or an endorsement on an existing policy.

\* Absent clear and convincing evidence of fault on the part of Company, Company cannot be held liable for any action or cause of action relating to any damages to property or person caused by the generation unit of a Customer-Generator or the interconnection thereof pursuant to section 386.890.11, RSMo Supp. 2008. A Customer-Generator may have legal liabilities not covered under their existing insurance policy in the event the Customer Generator’s negligence or other wrongful conduct causes personal injury (including death), damage to property, or other actions and claims.

**3) Interconnection Costs**

The Customer-Generator shall, at the Customer-Generator’s cost and expense, install, operate, maintain, repair, and inspect, and shall be fully responsible for the Customer-Generator’s System. The Customer-Generator further agrees to pay or reimburse to Company all of Company’s Interconnection Costs. Interconnection Costs are the reasonable costs incurred by Company for: (1) additional tests or analyses of the effects of the operation of the Customer-Generator’s System on Company’s local distribution system, (2) additional metering, and (3) any necessary controls. These Interconnection Costs must be related to the installation of the physical facilities necessary to permit interconnected operation of the Customer-Generator’s System with Company’s system and shall only include those costs, or corresponding costs, which would not have been incurred by Company in providing service to the Customer-Generator solely as a consumer of electric energy from Company pursuant to Company’s standard cost of service policies in effect at the time the Customer-Generator’s System is first interconnected with Company’s system. Upon request, Company shall provide the Customer-Generator with a not-to-exceed costs statement for interconnection with Company based upon the plans and specifications provided by the Customer-Generator to Company.

**4) Energy Pricing and Billing**

Each billing period, Company shall measure the net electrical energy produced or consumed and bill the Customer-Generator as follows:

- a) If the electricity supplied by Company exceeds the electricity supplied by the Customer-Generator to Company, Company’s bill will reflect the net electricity supplied by Company and the Customer-Generator’s current service classification.
- b) If the electricity supplied by Company is less than the electricity supplied by the Customer-Generator to Company, Company’s bill will include a credit for the net electricity received by Company in accordance with the Non-Time-Differentiated Energy Rates contained in Company’s Schedule 1 – Electric Power Purchases, Section A.II.1.

CANCELED

November 29, 2012 \* Indicates Addition.  
Missouri Public

Service Commission

ET-2013-0197 YE-2013-0208

FILED  
Missouri Public  
Service Commission

ET-2011-0102; YE-2011-0217

DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

are the reasonable costs incurred by Company for: (1) additional tests or analyses of the effects of the operation of the Customer-Generator's System on Company's local distribution system, (2) additional metering, and (3) any necessary controls. These Interconnection Costs must be related to the installation of the physical facilities necessary to permit interconnected operation of the Customer-Generator's System with Company's system and shall only include those costs, or corresponding costs, which would not have been incurred by Company in providing service to the Customer-Generator solely as a consumer of electric energy from Company pursuant to Company's standard cost of service policies in effect at the time the Customer-Generator's System is first interconnected with Company's system. Upon request, Company shall provide the Customer-Generator with a not-to-exceed costs statement for interconnection with Company based upon the plans and specifications provided by the Customer-Generator to Company.

\* **4) Energy Pricing and Billing**

Each billing period, Company shall measure the net electrical energy produced or consumed and bill the Customer-Generator as follows:

- a) If the electricity supplied by Company exceeds the electricity supplied by the Customer-Generator to Company, Company's bill will reflect the net electricity supplied by Company and the Customer-Generator's current service classification.
- b) If the electricity supplied by Company is less than the electricity supplied by the Customer-Generator to Company, Company's bill will include a credit for the net electricity received by Company in accordance with the Non-Time-Differentiated Energy Rates contained in Company's Schedule 1 – Electric Power Purchases, Section A.II.1.

**5) Terms and Termination Rights**

This Agreement becomes effective when signed by both the Customer-Generator and Company, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Company at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator's System from parallel operation with Company's system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Company. This agreement may also be terminated, by approval of the Commission, if there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

\* **6) Transfer of Ownership**

If operational control of the Customer-Generator's System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Company shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator's System. The person or persons taking over operational control of Customer-Generator's System must file a new Application/Agreement, and must receive authorization from Company, before the existing Customer-Generator System can remain interconnected with Company's electrical system. The new Application/Agreement will only

\* Indicates Change

CANCELLED  
November 27, 2010  
Missouri Public  
Service Commission  
ET-2011-0102; YE-2011-0217

FILED  
Missouri Public  
Service Commission  
January 1, 2008

P.S.C. Mo. DATE OF ISSUE December 21, 2007 DATE EFFECTIVE January 20, 2008

ISSUED BY T. R. Voss President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

## INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)

physical facilities necessary to permit interconnected operation of the Customer-Generator's System with Company's system and shall only include those costs, or corresponding costs, which would not have been incurred by Company in providing service to the Customer-Generator solely as a consumer of electric energy from Company pursuant to Company's standard cost of service policies in effect at the time the Customer-Generator's System is first interconnected with Company's system. Upon request, Company shall provide the Customer-Generator with a not-to-exceed costs statement for interconnection with Company based upon the plans and specifications provided by the Customer-Generator to Company.

### **4) Energy Pricing and Billing**

Section 386.887 RSMo Supp. 2002 sets forth the valuation and billing of electric energy provided by Company to the Customer-Generator and to Company from Customer-Generator. The value of the electric energy delivered to the Customer-Generator shall be billed in accordance with Company's applicable Schedule 5 – Schedule of Rates for Electric Service, Service Classification with the application of the Time-of-Day billing provisions. The value of the electric energy delivered by the Customer-Generator to Company shall be credited in accordance with Company's Schedule 1 – Electric Power Purchases, Section A.II.2.

### **5) Terms and Termination Rights**

This Agreement becomes effective when signed by both the Customer-Generator and Company, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Company at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator's System from parallel operation with Company's system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Company. This agreement may also be terminated, by approval of the Commission, if there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

### **6) Transfer of Ownership**

If operational control of the Customer-Generator's System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Company shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator's System. The person or persons taking over operational control of Customer-Generator's System must file a new Application/Agreement, and must receive authorization from Company, before the existing Customer-Generator System can remain interconnected with Company's electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Customer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. If no changes are being made to the Customer-Generator's System, completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Company will assess no charges or fees for this transfer. Company will review the new Application/Agreement and shall approve such, within fifteen (15) days if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Company will then complete section G and forward a copy of the completed

August 28, 2003

P.S.C. Mo. DATE OF ISSUE August 14, 2003DATE EFFECTIVE ~~September 13, 2003~~ISSUED BY C. W. Mueller  
NAME OF OFFICERChairman & CEO  
TITLESt. Louis, Missouri  
ADDRESS

FILED

Missouri Public  
Service Commission

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**\*5) Energy Pricing and Billing**

The net electric energy delivered to the Customer-Generator shall be billed in accordance with the Company’s Applicable Rate Schedule 5, Schedule of Rates for Electricity. The value of the net electric energy delivered by the Customer-Generator to Company shall be credited in accordance with the net metering rate Schedule 1, Electric Power Purchases.

Net electrical energy measurement shall be calculated in the following manner:

- (a) For a Customer-Generator, a retail electric supplier shall measure the net electrical energy produced or consumed during the billing period in accordance with normal metering practices for customers in the same rate class, either by employing a single, bidirectional meter that measures the amount of electrical energy produced and consumed, or by employing multiple meters that separately measure the Customer-Generator’s consumption and production of electricity;
- (b) If the electricity supplied by the supplier exceeds the electricity generated by the Customer-Generator during a billing period, the Customer-Generator shall be billed for the net electricity supplied by the supplier in accordance with normal practices for customers in the same rate class;
- (c) If the electricity generated by the Customer-Generator exceeds the electricity supplied by the supplier during a billing period, the Customer-Generator shall be billed for the appropriate minimum bill as specified by Customer-Generators selected rate, for that billing period and shall be credited an amount for the excess kilowatt-hours generated during the billing period at the net metering rate identified in Company’s tariff filed at the Public Service Commission, with this credit applied to the following billing period; and
- (d) Any credits granted by this subsection shall expire without any compensation at the earlier of either twelve (12) months after their issuance, or when the Customer-Generator disconnects service or terminates the net metering relationship with the supplier.

**6) Terms and Termination Rights**

This Agreement becomes effective when signed by both the Customer-Generator and Company, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Company at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator’s System from parallel operation with Company’s system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Company. This agreement may also be terminated, by approval of the Commission, if there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

**\*7) Transfer of Ownership**

If operational control of the Customer-Generator’s System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Company shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator’s System. The person or persons taking over operational control of Customer-Generator’s System must file a new Application/Agreement, and must receive authorization from Company, before the existing Customer-Generator System can remain interconnected with Company’s electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Customer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. If no changes are being made to the Customer-Generator’s System,

\*Indicates Change.

FILED  
Missouri Public  
Service Commission  
YE-2013-0208

CANCELLED DATE OF ISSUE October 29, 2012 DATE EFFECTIVE November 29, 2012  
June 30, 2013

Missouri Public ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
Service Commission NAME OF OFFICER TITLE ADDRESS

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**\*5) Terms and Termination Rights**

This Agreement becomes effective when signed by both the Customer-Generator and Company, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Company at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator’s System from parallel operation with Company’s system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Company. This agreement may also be terminated, by approval of the Commission, if there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

**\*6) Transfer of Ownership**

If operational control of the Customer-Generator’s System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. Company shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator’s System. The person or persons taking over operational control of Customer-Generator’s System must file a new Application/Agreement, and must receive authorization from Company, before the existing Customer-Generator System can remain interconnected with Company’s electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Customer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. If no changes are being made to the Customer-Generator’s System, completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Company will assess no charges or fees for this transfer. Company will review the new Application/Agreement and shall approve such if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Company will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Company’s electrical system. If any changes are planned to be made to the existing Customer-Generator System that in any way may degrade or significantly alter that System’s output characteristics, then the Customer-Generator shall submit to Company a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

**7) Dispute Resolution**

If any disagreements between the Customer-Generator and Company arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

CANCELED

November 29, 2012

\*Indicates Reissue.

Missouri Public Service Commission

FILED

Missouri Public Service Commission

ET-2011-0102; YE-2011-0217

ET-2013-0197 YE-2013-0208

DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

\* need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Customer-Generator System completely understand the provisions of this Application/Agreement and agrees to them. If no changes are being made to the Customer-Generator’s System, completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Company will assess no charges or fees for this transfer. Company will review the new Application/Agreement and shall approve such if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Company will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Company’s electrical system. If any changes are planned to be made to the existing Customer-Generator System that in any way may degrade or significantly alter that System’s output characteristics, then the Customer-Generator shall submit to Company a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

**7) Dispute Resolution**

If any disagreements between the Customer-Generator and Company arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

**8) Testing Requirement**

IEEE 1547 requires periodic testing of all interconnection related protective functions. The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator’s net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Company’s electrical system. Disconnecting the net metering unit from Company’s electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Company, shall provide a copy of the test results to Company. If the Customer-Generator is unable to provide a copy of the test results upon request, Company shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Company, the results of a test. If the Customer-Generator’s equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator’s System from Company’s system. If the Customer-Generator does not provide results of a test to Company within thirty (30) days of receiving a request from Company or the results of the test provided to Company show that the Customer-Generator’s net metering unit is not functioning correctly, Company may immediately disconnect the Customer-Generator’s System from Company’s system. The Customer-Generator’s System shall not be reconnected to Company’s electrical system by the Customer- Generator until the Customer-Generator’s System is repaired and operating in a normal and safe manner.

I have read, understand, and accept the provisions of Section D, subsections 1 through 8 of this Application/Agreement.

Signed (Customer-Generator): \_\_\_\_\_ Date: \_\_\_\_\_

\*Indicates Change

**FILED**  
**Missouri Public**  
**Service Commission**  
**January 1, 2008**

CANCELLED  
November 27, 2010  
Missouri Public  
Service Commission  
ET-2011-0102; YE-2011-0217

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Company's electrical system. If any changes are planned to be made to the existing Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics, then the Customer-Generator shall submit to Company a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

**7) Dispute Resolution**

If any disagreements between the Customer-Generator and Company arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

**8) Testing Requirement**

The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator's net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Company's electrical system. Disconnecting the net metering unit from Company's electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Company, shall provide a copy of the test results to Company. If the Customer-Generator is unable to provide a copy of the test results upon request, Company shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Company, the results of a test. If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator's System from Company's system. If the Customer-Generator does not provide results of a test to Company within thirty (30) days of receiving a request from Company or the results of the test provided to Company show that the Customer-Generator's net metering unit is not functioning correctly, Company may immediately disconnect the Customer-Generator's System from Company's system. The Customer-Generator's System shall not be reconnected to Company's electrical system by the customer-generator until the Customer-Generator's System is repaired and operating in a normal and safe manner.

I have read, understand, and accept the provisions of Section D, subsections 1 through 8 of this Application/Agreement.

Signed (Customer-Generator): \_\_\_\_\_ Date: \_\_\_\_\_

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

completing sections A, D and F of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, Company will assess no charges or fees for this transfer. Company will review the new Application/Agreement and shall approve such, within fifteen (15) days, if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. Company will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with Company’s electrical system. If any changes are planned to be made to the existing Customer-Generator System that in any way may degrade or significantly alter that System’s output characteristics, then the Customer-Generator shall submit to Company a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

**8) Dispute Resolution**

If any disagreements between the Customer-Generator and Company arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

**9) Testing Requirement**

IEEE 1547 requires periodic testing of all interconnection related protective functions. The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator’s net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Company’s electrical system. Disconnecting the net metering unit from Company’s electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Company, shall provide a copy of the test results to Company. If the Customer-Generator is unable to provide a copy of the test results upon request, Company shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Company, the results of a test. If the Customer-Generator’s equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator’s System from Company’s system. If the Customer-Generator does not provide results of a test to Company within thirty (30) days of receiving a request from Company or the results of the test provided to Company show that the Customer-Generator’s net metering unit is not functioning correctly, Company may immediately disconnect the Customer-Generator’s System from Company’s system. The Customer-Generator’s System shall not be reconnected to Company’s electrical system by the Customer- Generator until the Customer-Generator’s System is repaired and operating in a normal and safe manner.

I have read, understand, and accept the provisions of Section D, subsections 1 through 9 of this Application/Agreement.

Signed (Customer-Generator): \_\_\_\_\_ Date: \_\_\_\_\_

\*Indicates Change.

**FILED**  
**Missouri Public**  
**Service Commission**  
**YE-2013-0208**

CANCELLED DATE OF ISSUE October 29, 2012 DATE EFFECTIVE November 28, 2012

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**\*\*8) Testing Requirement**

IEEE 1547 requires periodic testing of all interconnection related protective functions. The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator’s net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Company’s electrical system. Disconnecting the net metering unit from Company’s electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Company, shall provide a copy of the test results to Company. If the Customer-Generator is unable to provide a copy of the test results upon request, Company shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Company, the results of a test. If the Customer-Generator’s equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator’s System from Company’s system. If the Customer-Generator does not provide results of a test to Company within thirty (30) days of receiving a request from Company or the results of the test provided to Company show that the Customer-Generator’s net metering unit is not functioning correctly, Company may immediately disconnect the Customer-Generator’s System from Company’s system. The Customer-Generator’s System shall not be reconnected to Company’s electrical system by the Customer- Generator until the Customer-Generator’s System is repaired and operating in a normal and safe manner.

**\*9) Ownership of Renewable Energy Credits (REC’s)**

All REC’s created through the operation of Customer-Generator’s system are owned by Customer-Generator. This contract does not grant any control or title over REC’s to Company. Company is not precluded from making an offer to purchase said REC’s through a separate and mutually agreed upon contract for that purpose.

I have read, understand, and accept the provisions of Section D, subsections 1 through 9 of this Application/Agreement.

Signed (Customer-Generator): \_\_\_\_\_ Date: \_\_\_\_\_

**E. Electrical Inspection**

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (print): \_\_\_\_\_

Inspector Certification: I am a Licensed Engineer in Missouri \_\_\_\_\_ or

I am a Licensed Electrician in Missouri \_\_\_\_\_ License No. \_\_\_\_\_

Signed (Inspector): \_\_\_\_\_ Date: \_\_\_\_\_

\*Indicates Addition.

\*Indicates Reissue.

**CANCELED**

November 29, 2012

Missouri Public

Service Commission

ET-2013-0197 YE 2013-0208

**FILED**

Missouri Public  
Service Commission

ET-2011-0102; YE-2011-0217

DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 1st Revised SHEET NO. 18

CANCELLING SCHEDULE NO. 1 Original SHEET NO. 18

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**E. Electrical Inspection**

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (print): \_\_\_\_\_

Inspector Certification: I am a Licensed Engineer in Missouri \_\_\_ or I am a Licensed Electrician in Missouri \_\_\_ License No. \_\_\_\_\_

Signed (Inspector): \_\_\_\_\_ Date: \_\_\_\_\_

**F. Customer-Generator Acknowledgement**

I am aware of the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Company's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

\* I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices, the provisions of IEEE Standard 1547 and the Company's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Company's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Company's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Company no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Company.

I agree not to operate the Customer-Generator System in parallel with Company's electrical system until this Application/Agreement has been approved by Company.

Signed (Customer-Generator): \_\_\_\_\_ Date: \_\_\_\_\_

**G. Application Approval (completed by Company)**

Company does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury to persons due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Company on this \_\_\_ day of \_\_\_ (month), \_\_\_ (year).

Company Representative Name (print): \_\_\_\_\_

Signed Company Representative: \_\_\_\_\_

\*Indicates Change

CANCELLED  
November 27, 2010  
Missouri Public  
Service Commission  
ET-2011-0102; YE-2011-0217

Filed Pursuant to the Order of the Mo. P.S.C. in Case No. EO-2006-0497

P.S.C. No. \_\_\_\_\_ DATE OF ISSUE July 30, 2007 DATE EFFECTIVE August 29, 2007

ISSUED BY T. R. Voss President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**E. Electrical Inspection**

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (print): \_\_\_\_\_

Inspector Certification: I am a Licensed Engineer in Missouri \_\_\_ or I am a Licensed Electrician in Missouri \_\_\_ License No. \_\_\_\_\_

Signed (Inspector): \_\_\_\_\_ Date: \_\_\_\_\_

**F. Customer-Generator Acknowledgement**

I am aware of the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Company's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as Company's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Company's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Company's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Company no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Company.

I agree not to operate the Customer-Generator System in parallel with Company's electrical system until this Application/Agreement has been approved by Company.

Signed (Customer-Generator): \_\_\_\_\_ Date: \_\_\_\_\_

**G. Application Approval (completed by Company)**

Company does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury to persons due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Company on this \_\_\_ day of \_\_\_ (month), \_\_\_ (year).

Company Representative Name (print): \_\_\_\_\_

Signed Company Representative: \_\_\_\_\_

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1 2nd Revised SHEET NO. 19

CANCELLING SCHEDULE NO. 1 1st Revised SHEET NO. 19

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**E. Electrical Inspection**

**\*If a local Authority Having Jurisdiction (AHJ) governs permitting/inspection of project:**

**Provide Permit Number:** \_\_\_\_\_

Applicable to all installations:

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (print): \_\_\_\_\_

Inspector Certification: Licensed Engineer in Missouri \_\_\_\_\_ or  
Licensed Electrician in Missouri \_\_\_\_\_ License No. \_\_\_\_\_

Signed (Inspector): \_\_\_\_\_ Date: \_\_\_\_\_

**F. Customer-Generator Acknowledgement**

I am aware of the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Company's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as the Company's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Company's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Company's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Company no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Company.

I agree not to operate the Customer-Generator System in parallel with Company's electrical system until this Application/Agreement has been approved by Company.

Signed (Customer-Generator): \_\_\_\_\_ Date: \_\_\_\_\_

**G. Application Approval (completed by Company)**

Company does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury to persons due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Company on this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year).

Company Representative Name (print): \_\_\_\_\_

Signed Company Representative: \_\_\_\_\_

\*Indicates Change.

FILED  
Missouri Public  
Service Commission  
ET-2013-0351; YE-2013-0313

CANCELLED DATE OF ISSUE January 9, 2013 DATE EFFECTIVE February 8, 2013 ~~February 8, 2013~~ **January 24, 2013**

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**\*E. Electrical Inspection**

If a local Authority Housing Jurisdiction (AHJ) governs permitting/inspection of project:

Provide Permit Number: \_\_\_\_\_

Applicable to all installations:

The Customer-Generator System referenced above satisfies all requirements noted in Section C.

Inspector Name (print): \_\_\_\_\_

Inspector Certification: Licensed Engineer in Missouri \_\_\_\_\_ or  
Licensed Electrician in Missouri \_\_\_\_\_ License No. \_\_\_\_\_

Signed (Inspector): \_\_\_\_\_ Date: \_\_\_\_\_

**\*F. Customer-Generator Acknowledgement**

I am aware of the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Company's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices as well as the Company's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Company's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Company's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Company no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Company.

I agree not to operate the Customer-Generator System in parallel with Company's electrical system until this Application/Agreement has been approved by Company.

Signed (Customer-Generator): \_\_\_\_\_ Date: \_\_\_\_\_

**G. Application Approval (completed by Company)**

Company does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury to persons due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Company on this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year).

Company Representative Name (print): \_\_\_\_\_

Signed Company Representative: \_\_\_\_\_

\*Indicates Change.

FILED  
Missouri Public  
Service Commission  
YE-2013-0208

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**\*F. Customer-Generator Acknowledgement**

I am aware of the Customer-Generator System installed on my premises and I have been given warranty information and/or an operational manual for that system. Also, I have been provided with a copy of Company's parallel generation tariff or rate schedule (as applicable) and interconnection requirements. I am familiar with the operation of the Customer-Generator System.

I agree to abide by the terms of this Application/Agreement and I agree to operate and maintain the Customer-Generator System in accordance with the manufacturer's recommended practices, the provisions of IEEE Standard 1547 and the Company's interconnection standards. If, at any time and for any reason, I believe that the Customer-Generator System is operating in an unusual manner that may result in any disturbances on Company's electrical system, I shall disconnect the Customer-Generator System and not reconnect it to Company's electrical system until the Customer-Generator System is operating normally after repair or inspection. Further, I agree to notify Company no less than thirty (30) days prior to modification of the components or design of the Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics. I acknowledge that any such modifications will require submission of a new Application/Agreement to Company.

I agree not to operate the Customer-Generator System in parallel with Company's electrical system until this Application/Agreement has been approved by Company.

Signed (Customer-Generator): \_\_\_\_\_ Date: \_\_\_\_\_

**\*G. Application Approval (completed by Company)**

Company does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury to persons due to malfunction of the Customer-Generator's System or the Customer-Generator's negligence.

This Application is approved by Company on this \_\_\_\_\_ day of \_\_\_\_\_ (month), \_\_\_\_\_ (year).

Company Representative Name (print): \_\_\_\_\_

Signed Company Representative: \_\_\_\_\_

CANCELED  
November 29, 2012  
Missouri Public  
Service Commission

\*Indicates Reissue.

FILED  
Missouri Public  
Service Commission

ET-2011-0102; YE-2011-0217

DATE OF ISSUE October 28, 2010 DATE EFFECTIVE November 27, 2010

ISSUED BY Warner L. Baxter President & CEO St. Louis, Missouri  
NAME OF OFFICER TITLE ADDRESS

APPLYING TO MISSOURI SERVICE AREA

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)**

**\*H. Solar Rebate (For Solar Installations only)**

Solar Module Manufacturer: \_\_\_\_\_ Inverter Rating: \_\_\_\_\_ kW

Solar Module Model No.: \_\_\_\_\_ Number of Modules/Panels: \_\_\_\_\_

Module Rating: \_\_\_\_\_ DC Watts System Rating (sum of solar panels): \_\_\_\_\_ kW

Module Warranty: \_\_\_\_\_ years (circle on spec. sheet)

Inverter Warranty: \_\_\_\_\_ years (circle on spec. sheet)

Location of modules: \_\_\_\_\_ Roof \_\_\_\_\_ Ground Installation type:

\_\_\_\_\_ Fixed \_\_\_\_\_ Ballast

System Installation Date: \_\_\_\_\_

**Solar system must be permanently installed on the applicant’s premises for a valid application**

**Required documents to receive solar rebate (required to be attached for a valid application):**

- Copies of detail receipts/invoices with purchase date circled
- Copies of detail spec sheets on each component
- Copies of proof of warranty sheet (minimum of 10 year warranty)
- Photo(s) of completed system
- Completed Taxpayer Information Form

**\*I. Solar Rebate Declaration (For Solar Installations only)**

I understand that this program has a limited budget, and that application will be accepted on a first-come, first-served basis, while funds are available. It is possible that I may be notified I have been placed on a waiting list for the next year’s rebate program if funds run out for the current year. This program may be modified or discontinued at any time without notice from Company.

I understand that the solar system must be permanently installed and remain in place on premises for the duration of its useful life – a minimum of 10 years.

I understand the equipment must be new when installed, commercially available, and carry a minimum 10 year warranty.

I understand a rebate of \$2/watt up to 25,000 watts (25 kW) is available from Company on expanded or new systems that become operational after 12/31/2009 with a maximum rebate of \$50,000.

I understand the DC wattage rating provided by the original manufacturer and as noted in section H will be used to determine rebate amount.

I understand business corporations receiving a rebate of \$600 or more will receive a 1099. (Please consult your tax advisor with any questions.)

The undersigned warrants, certifies, and represents that the information provided in this form is true and correct to the best of my knowledge; and the installation meets all Missouri Net Metering and Solar Electric Rebate program requirements.

\_\_\_\_\_  
Applicant’s Signature

\_\_\_\_\_  
Installer’s Signature

\_\_\_\_\_  
Print Solar Rebate Applicant’s Name

\_\_\_\_\_  
Print Installer’s Name

**FILED**  
**Missouri Public**  
**Service Commission**  
**YE-2013-0208**

\*Indicates Addition