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State Regulation

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July 2, 2013

Docket Control
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007

RE: Arizona Public Service Company Rate Schedules EPR-2, EPR-6, and SC-S
Docket No. E-01345A-10-0249

Pursuant to Decision No. 73921, dated June 27, 2013, attached please find both redline and non-redline versions of revised rate schedules EPR-2, EPR-6, and E-56R. In the last rate case, schedule SC-S was renamed E-56R.

If you have any questions regarding this information, please contact Chuck Miessner at (602)250-3081.

Sincerely,

Jeffrey W. Johnson

JJ/cd
Attachment

cc: Barbara Keene

Arizona Corporation Commission
DOCKETED

JUL 2 2013

DOCKETED

**Redline
Rate Rider
Schedule EPR-2**



**RATE RIDER SCHEDULE EPR-2
CLASSIFIED SERVICE
PURCHASE RATES FOR QUALIFIED FACILITIES
100 KW OR LESS FOR PARTIAL REQUIREMENTS**

AVAILABILITY

This rate rider schedule is available in all territory served by the Company.

APPLICATION

This rate rider schedule is applicable to all customers served by a retail rate schedule with metered kWh usage with a cogeneration and/or small power production facilities facility with a nameplate continuous AC output power rating of 100 kW or less, where the facility's generator(s) and load are located at the same premise, and that otherwise meet qualifying status pursuant to Arizona Corporation Commission's Decision No. 52345 on cogeneration and small power production facilities. Applicable only to Qualifying Facilities electing to configure their systems as to require partial requirements service from the Company in order to meet their electric requirements.

At the Company's discretion, the monthly purchase rates in this schedule may also be used as a basis to purchase energy from a Qualifying Facility that is not configured for partial requirements service and/or is greater than 100 kW. The terms for such purchase shall be provided in a contract to be approved by the Commission.

Participation under this schedule is subject to the availability of required metering equipment compatible with the customer's retail rate schedule and electrical service configuration. All provisions of the customer's retail rate schedule will continue to apply except as noted below.

TYPE OF SERVICE

Electric sales to the Company must be single or three phase, 60 Hertz, at one standard voltage as may be selected by the customer (subject to availability at the premises). The Qualifying Facility will have the option to sell energy to the Company at a voltage level different than that for purchases from the Company; however, the Qualifying Facility will be responsible for all incremental costs incurred to accommodate such an arrangement.

PAYMENT FOR PURCHASES FROM AND SALES TO THE CUSTOMER

Power sales and special services supplied by the Company to the customer in order to meet its supplemental or interruptible electric requirements will be priced at the customer's applicable retail rate or rates schedule.

The Company will pay the customer for any energy purchased as calculated on the standard purchase rate (see below).

MONTHLY PURCHASE RATE FOR EXCESS- GENERATION

The Company shall issue a credit on the customer's monthly bill for the monthly Excess Generation, based on the relevant monthly purchase rates, which are based on avoided energy costs and shall be updated annually. Purchase rates are provided for Firm Power and Non-Firm Power for the summer and winter billing cycles. Firm Power is only relevant to the summer billing cycles.

For customers served under a time-of-use retail rate schedule, purchase rates are provided for the relevant on-peak and off-peak hours. For residential customers served under a non-time-of-use rate, or a time-of-use rate not specified below, the monthly purchase rate and on-peak and off-peak hours will be based on the rate for customers served on a 12 p.m. to 7 p.m. on-peak rate. For non-residential customers served under a non-time-of-use rate or a time-of-use rate not specified below, the monthly purchase rate and on-peak and off-peak hours will be based on the rate for



RATE RIDER SCHEDULE EPR-2
CLASSIFIED SERVICE
PURCHASE RATES FOR QUALIFIED FACILITIES
100 KW OR LESS FOR PARTIAL REQUIREMENTS

customers served on an 11 a.m. to 9 p.m. on-peak rate. Unless specified in this schedule, Excess Generation during a super-on-peak or shoulder-peak time period in a retail rate will be purchased at the on-peak purchase rate, while Excess Generation during a super-off-peak period will be purchased at the off-peak purchase rate.



**RATE RIDER SCHEDULE EPR-2
CLASSIFIED SERVICE
PURCHASE RATES FOR QUALIFIED FACILITIES
100 KW OR LESS FOR PARTIAL REQUIREMENTS**

Purchase of Excess Generation (Con't)

For customers ~~served under~~with a 9 a.m. to 9 p.m. on-peak time-of-use -retail rate schedule:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak ^{1/}	Off-Peak ^{2/}	On-Peak ^{1/}	Off-Peak ^{2/}
Summer Billing Cycles (May - October)	4.2362.956	3.7342.765	5.4473.608	3.9572.887
Winter Billing Cycles (November - April)	3.4322.823	3.6222.701	3.4322.823	3.6222.701

¹ On-Peak Periods: 9 a.m. to 9 p.m., weekdays or as reflected in the customer's applicable retail rate schedule

² Off-Peak Periods: All other hours

~~These rates are based on the Company's estimated avoided energy costs and will be updated annually.~~

For customers ~~served under~~with a 12 p.m. to 7 p.m. on-peak time-of-use retail rate schedule rate:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak ^{1/}	Off-Peak ^{2/}	On-Peak ^{1/}	Off-Peak ^{2/}
Summer Billing Cycles (May - October)	4.4733.016	3.7662.787	6.5484.159	3.9472.885
Winter Billing Cycles (November - April)	3.2242.869	3.6412.713	3.2242.869	3.6412.713

¹ On-Peak Periods: 12 p.m. to 7 p.m., weekdays or as reflected in the customer's applicable retail rate schedule

² Off-Peak Periods: All other hours

For customers ~~served under~~with an 11 a.m. to 9 p.m. on-peak time-of-use rate schedule:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak ^{1/}	Off-Peak ^{2/}	On-Peak ^{1/}	Off-Peak ^{2/}
Summer Billing Cycles (May - October)	4.4052.991	3.7052.767	5.8573.773	3.9102.878
Winter Billing Cycles (November - April)	3.3612.827	3.6362.709	3.3612.827	3.6362.709

¹ On-Peak Periods: 11 a.m. to 9 p.m., weekdays or as reflected in the customer's applicable retail rate schedule



**RATE RIDER SCHEDULE EPR-2
CLASSIFIED SERVICE
PURCHASE RATES FOR QUALIFIED FACILITIES
100 KW OR LESS FOR PARTIAL REQUIREMENTS**

² Off-Peak Periods: All other hours

These rates are based on the Company's estimated avoided energy costs and will be updated annually.

For residential customers served under a standard (non time of use) rate, the monthly purchase rate will equal the rate for customers served on a 12 p.m. to 7 p.m. on peak rate. For all other customers served under a standard rate, the monthly purchase rate will equal the rate for customers served on an 11 a.m. to 9 p.m. on peak rate.

CONTRACT PERIOD

As provided for in any Supply /Purchase Agreement.

DEFINITIONS

1. Partial Requirements Service—: Electric service provided to a customer that has an interconnected generation system configuration whereby the output from its electric generator(s) first supplies its own electric requirements and any Excess Generation (over and above its own requirements at any point in time) is then provided to the Company. The Company supplies the customer's supplemental electric requirements (those not met by their own generation facilities). This configuration may also be referred to as the "parallel mode" of operation.
2. Qualifying Facility (QF): A cogeneration or small power production facility which meets the requirements under 18 CFR, Chapter I, Part 292, Subpart B of the Federal energy Regulatory Commission regulations.
- 2.3. Excess Generation—: Equals the customer's generation (kWh) in excess of their load at any point in time as metered by the Company. Excess Generation is computed for on-peak and off-peak billing periods.
4. ~~3.~~ Special Service(s)—: The electric service(s) specified in this section that will be provided by the Company in addition to or in lieu of normal service(s).
5. ~~4.~~ Non-Firm Power—: Electric power which is supplied by the Customer's generator at the Customer's option, where no firm guarantee is provided, and the power can be interrupted by the Customer at any time.
6. ~~5.~~ Firm Power—: Power available, upon demand, at all times (except for forced outages) during the period covered by the Purchase Agreement from the customer's facilities with an expected or demonstrated reliability which is greater than or equal to the average reliability of the Company's firm power sources.
7. ~~6.~~ Time Periods—: Mountain Standard Time shall be used in the application of this rate schedule. Because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

TERMS AND CONDITIONS

Service under this rate schedule is subject to the Company's Schedule 1, Terms and Conditions for Standard Offer and Direct Access Services, Schedule 2, Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities, and the Company's Interconnection requirements for Distributed Generation.



RATE RIDER SCHEDULE EPR-2
CLASSIFIED SERVICE
PURCHASE RATES FOR QUALIFIED FACILITIES
100 KW OR LESS FOR PARTIAL REQUIREMENTS

This schedule has provisions that may affect the customer's bill. In addition, service may be subject to special terms and conditions as provided for in a customer interconnection or Supply/Purchase agreement.

METERING CONFIGURATION

Customers served under this rate schedule will require a bi-directional meter that will register and accumulate the net electrical requirements of the customer. The bi-directional meter shall be provided at no additional cost to the customer. A bi-directional meter may not be required if the generating capacity of the Qualifying Facility is less than 20% of the customer's lowest billing demand over the 12 months prior to requesting enrollment in Schedule EPR-2, or as otherwise determined by the Company through available information, or if the customer agrees that they do not intend to be compensated for any Excess Generation.

**Non-Redline
Rate Rider
Schedule EPR-2**



**RATE RIDER SCHEDULE EPR-2
CLASSIFIED SERVICE
PURCHASE RATES FOR QUALIFIED FACILITIES
100 KW OR LESS FOR PARTIAL REQUIREMENTS**

AVAILABILITY

This rate rider schedule is available in all territory served by the Company.

APPLICATION

This rate rider schedule is applicable to customers served by a retail rate schedule with metered kWh usage with a cogeneration or small power production facility with a nameplate continuous AC output power rating of 100 kW or less, where the facility's generator(s) and load are located at the same premise, and that otherwise meet qualifying status pursuant to Arizona Corporation Commission's Decision No. 52345 on cogeneration and small power production facilities. Applicable only to Qualifying Facilities electing to configure their systems as to require partial requirements service from the Company in order to meet their electric requirements.

At the Company's discretion, the monthly purchase rates in this schedule may also be used as a basis to purchase energy from a Qualifying Facility that is not configured for partial requirements service and/or is greater than 100 kW. The terms for such purchase shall be provided in a contract to be approved by the Commission.

Participation under this schedule is subject to the availability of required metering equipment compatible with the customer's retail rate schedule and electrical service configuration. All provisions of the customer's retail rate schedule will continue to apply except as noted below.

TYPE OF SERVICE

Electric sales to the Company must be single or three phase, 60 Hertz, at one standard voltage as may be selected by the customer (subject to availability at the premises). The Qualifying Facility will have the option to sell energy to the Company at a voltage level different than that for purchases from the Company; however, the Qualifying Facility will be responsible for all incremental costs incurred to accommodate such an arrangement.

SALES TO THE CUSTOMER

Power sales and special services supplied by the Company to the customer in order to meet its supplemental or interruptible electric requirements will be priced at the customer's retail rate schedule.

PURCHASE OF EXCESS GENERATION

The Company shall issue a credit on the customer's monthly bill for the monthly Excess Generation, based on the relevant monthly purchase rates, which are based on avoided energy costs and shall be updated annually. Purchase rates are provided for Firm Power and Non-Firm Power for the summer and winter billing cycles. Firm Power is only relevant to the summer billing cycles.

For customers served under a time-of-use retail rate schedule, purchase rates are provided for the relevant on-peak and off-peak hours. For residential customers served under a non-time-of-use rate, or a time-of-use rate not specified below, the monthly purchase rate and on-peak and off-peak hours will be based on the rate for customers served on a 12 p.m. to 7 p.m. on-peak rate. For non-residential customers served under a non-time-of-use rate or a time-of-use rate not specified below, the monthly purchase rate and on-peak and off-peak hours will be based on the rate for customers served on an 11 a.m. to 9 p.m. on-peak rate. Unless specified in this schedule, Excess Generation during a super-on-peak or shoulder-peak time period in a retail rate will be purchased at the on-peak purchase rate, while Excess Generation during a super-off-peak period will be purchased at the off-peak purchase rate.



**RATE RIDER SCHEDULE EPR-2
CLASSIFIED SERVICE
PURCHASE RATES FOR QUALIFIED FACILITIES
100 KW OR LESS FOR PARTIAL REQUIREMENTS**

Purchase of Excess Generation (Con't)

For customers served under a 9 a.m. to 9 p.m. on-peak time-of-use retail rate schedule:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak ¹	Off-Peak ²	On-Peak ¹	Off-Peak ²
Summer Billing Cycles (May - October)	2.956	2.765	3.608	2.887
Winter Billing Cycles (November - April)	2.823	2.701	2.823	2.701

¹ On-Peak Periods: 9 a.m. to 9 p.m., weekdays or as reflected in the customer's retail rate schedule

² Off-Peak Periods: All other hours

For customers served under a 12 p.m. to 7 p.m. on-peak time-of-use retail rate schedule:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak ¹	Off-Peak ²	On-Peak ¹	Off-Peak ²
Summer Billing Cycles (May - October)	3.016	2.787	4.159	2.885
Winter Billing Cycles (November - April)	2.869	2.713	2.869	2.713

¹ On-Peak Periods: 12 p.m. to 7 p.m., weekdays or as reflected in the customer's retail rate schedule

² Off-Peak Periods: All other hours

For customers served under an 11 a.m. to 9 p.m. on-peak time-of-use rate schedule:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak ¹	Off-Peak ²	On-Peak ¹	Off-Peak ²
Summer Billing Cycles (May - October)	2.991	2.767	3.773	2.878
Winter Billing Cycles (November - April)	2.827	2.709	2.827	2.709

¹ On-Peak Periods: 11 a.m. to 9 p.m., weekdays or as reflected in the customer's retail rate schedule

² Off-Peak Periods: All other hours



**RATE RIDER SCHEDULE EPR-2
CLASSIFIED SERVICE
PURCHASE RATES FOR QUALIFIED FACILITIES
100 KW OR LESS FOR PARTIAL REQUIREMENTS**

CONTRACT PERIOD

As provided for in any Supply /Purchase Agreement.

DEFINITIONS

1. Partial Requirements Service: Electric service provided to a customer that has an interconnected generation system configuration whereby the output from its electric generator(s) first supplies its own electric requirements and any Excess Generation (over and above its own requirements at any point in time) is then provided to the Company. The Company supplies the customer's supplemental electric requirements (those not met by their own generation facilities). This configuration may also be referred to as the "parallel mode" of operation.
2. Qualifying Facility (QF): A cogeneration or small power production facility which meets the requirements under 18 CFR, Chapter I, Part 292, Subpart B of the Federal energy Regulatory Commission regulations.
3. Excess Generation: Equals the customer's generation (kWh) in excess of their load at any point in time as metered by the Company. Excess Generation is computed for on-peak and off-peak billing periods.
4. Special Service(s): The electric service(s) specified in this section that will be provided by the Company in addition to or in lieu of normal service(s).
5. Non-Firm Power: Electric power which is supplied by the Customer's generator at the Customer's option, where no firm guarantee is provided and the power can be interrupted by the Customer at any time.
6. Firm Power: Power available, upon demand, at all times (except for forced outages) during the period covered by the Purchase Agreement from the customer's facilities with an expected or demonstrated reliability which is greater than or equal to the average reliability of the Company's firm power sources.
7. Time Periods: Mountain Standard Time shall be used in the application of this rate schedule. Because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

TERMS AND CONDITIONS

Service under this rate schedule is subject to the Company's Schedule 1, Terms and Conditions for Standard Offer and Direct Access Services, Schedule 2, Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities, and the Company's Interconnection requirements for Distributed Generation. This schedule has provisions that may affect the customer's bill. In addition, service may be subject to special terms and conditions as provided for in a customer interconnection or Supply/Purchase agreement.

METERING

Customers served under this rate schedule will require a bi-directional meter that will register and accumulate the net electrical requirements of the customer. The bi-directional meter shall be provided at no additional cost to the customer. A bi-directional meter may not be required if the generating capacity of the Qualifying Facility is less than 20% of the customer's lowest billing demand over the 12 months prior to requesting enrollment in Schedule EPR-2, or as otherwise determined by the Company through available information, or if the customer agrees that they do not intend to be compensated for any Excess Generation.

**Redline
Rate Rider
Schedule EPR-6**



**RATE RIDER SCHEDULE EPR-6 (NET METERING)
CLASSIFIED SERVICE
RATES FOR RENEWABLE RESOURCE FACILITIES
FOR PARTIAL REQUIREMENTS**

AVAILABILITY

This rate rider schedule is available in all territory served by the Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the sites served.

APPLICATION

This rate rider schedule is applicable offered to customers served by a retail rate schedule with metered kWh usage with a Net Metering Facility that uses Renewable Resources, a fuel cell, or combined heat and power (CHP) to produce electricity. Definitions are pursuant to A.A.C. R14-2-2302. ~~Participation under this schedule is subject to availability of enhanced metering and billing system upgrades.~~

Participation under this schedule is subject to the availability of required metering equipment compatible with the customer's retail rate schedule and electrical service configuration. All provisions of the customer's retail rate schedule will continue to apply except as noted below.

DEFINITIONS

1. Combined Heat and Power (CHP): A system that generates electricity and useful thermal energy in a single, integrated system such that the useful power output of the facility plus one-half the useful thermal energy output during any 12-month period must be no less than 42.5 percent of the total energy input of fuel to the facility.
2. Customer Supply: Energy (kWh) from a customer-owned Net Metering Facility that exceeds the customer's load at a point in time and is fed back into the Company's electric system, as metered by the Company.
3. Customer Purchase: Energy (kWh) that is provided from the Company to the customer to serve the load that is not being served by a customer-owned Net Metering Facility, as metered by the Company.
4. Excess Generation: Equals the Customer Supply (kWh) less the Customer Purchase (kWh) over a monthly billing period. For time-of-use rates the Excess Generation corresponding to the on-peak and off-peak periods is computed for on-peak and off-peak periods over the monthly billing period. (Not to be less than zero).
5. Fuel Cell: A device that converts the chemical energy of a fuel directly into electricity without intermediate combustion or thermal cycles. For purposes of this rate schedule, the source of the chemical reaction must be derived from Renewable Resources.



**RATE RIDER SCHEDULE EPR-6 (NET METERING)
CLASSIFIED SERVICE
RATES FOR RENEWABLE RESOURCE FACILITIES
FOR PARTIAL REQUIREMENTS**

6. Net Metering Facility: A facility for the production of electricity that:
- a) Is operated by or on behalf of a Net Metering customer and is located on the net metering customer's premises and;
 - b) Is intended primarily to provide part or all of the net metering customer's requirement for electricity at the single point of electrical service where the generator is installed and;
 - c) Uses Renewable Resources, a fuel cell, or CHP to generate electricity and;
 - d) Has a generating capacity less than or equal to 125% of the net metering customer's Total Connected Load (kW), or in the absence of customer load data, capacity less than or equal to the customer's electric service drop capacity and;
 - e) Is interconnected with and can operate in parallel and in phase with the Company's existing distribution system.

DEFINITIONS (Cont)

7. Partial Requirements Service: Electric service provided to a customer that has an interconnected Net Metering Facility whereby the output from its electric generator(s) first supplies its own electric requirements and any excess energy (over and above its own requirements at any point in time) is then provided to the Company. The Company supplies the customer's supplemental electric requirements (those not met by their own generation facilities). This configuration may also be referred to as the "parallel mode" of operation.
8. Renewable Resources: Natural resources that can be replenished by natural processes, including; biogas, biomass, geothermal, hydroelectric, solar, or wind.
9. Non-Firm Power: Electric power which is supplied by the Customer's generator at the Customer's option, where no firm guarantee is provided and the power can be interrupted by the Customer at any time.
10. Firm Power: Power available, upon demand, at all times (except for forced outages) during the period covered by the Purchase Agreement from the customer's facilities with an expected or demonstrated reliability which is greater than or equal to the average reliability of the Company's firm power sources. Determination of Firm Power will be in accordance with Rate Schedule EPR-2.
- ~~11. Standard Retail Rate Schedule— Any of the Company's retail rate schedules with metered kWh charges.~~
- ~~12.11. Time Periods— Mountain Standard Time shall be used in the application of this rate schedule. Because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods. On-peak and off-peak time periods will be determined by the customer's retail rate schedule applicable Standard Retail Rate Schedule.~~
12. Total Connected Load:— The maximum potential demand (kW) measured or calculated at the electrical service entrance section serving the Net Metering Facility.

TYPE OF SERVICE

Electric sales to the Company must be single phase or three phase, 60 Hertz, at one standard voltage as may be selected by customer (subject to availability at the premises).

ARIZONA PUBLIC SERVICE COMPANY
Phoenix, Arizona
Filed by: Charles A. Miessner David J. Rumolo
Title: Pricing Manager, Regulation and Pricing
Original Effective Date: July 7, 2009
2013

A.C.C. No. 58245742
Cancelling A.C.C. No. 5712 Rate Schedule EPR-6
Rate Schedule EPR-6 Original
Effective: July 7, 2009 Revision No. 1
Effective: June 11, 2013



**RATE RIDER SCHEDULE EPR-6 (NET METERING)
CLASSIFIED SERVICE
RATES FOR RENEWABLE RESOURCE FACILITIES
FOR PARTIAL REQUIREMENTS**

BILLING

A. During the billing period for:

1. Customer Purchases in excess of Customer Supply:

Company shall bill the customer for the net kWh supplied by the Company in accordance with the customer's applicable Standard Retail Rate Schedule.

2. Customer Supply in excess of Customer Purchases (Excess Generation):

Company shall credit the customer the Excess Generation kWh in subsequent billing periods.

BILLING (Cont)

B. For customers taking service under time-of-use rates, Customer Supply and Customer Purchases will be segmented by on-peak and off-peak periods. Excess Generation kWh credits will be applied to the time-of-use periods in which the kWh were generated by the customer. If necessary, a super off-peak period may be combined with an off-peak period for netting purposes. Likewise, a peak period may be combined with a super-peak or shoulder period for netting purposes. In either case, netting shall occur from the lowest price period first.

B-

C. Basic Service Charges and Demand charges (either metered or contract) will continue to apply in full.

BILLING (cont)

D. For the last billing period of each calendar year, or for the last billing period at the time the customer discontinues taking service under this rate rider scheduler:

The Company shall issue a billing credit to the customer for any remaining Excess Generation balance. In the event the customer's electric service is terminated, after applying a billing credit for any Excess Generation up to the amount the customer owes the Company, the Company shall issue a check for the remaining value of the Excess Generation balance. The payment or credit will be determined by the Annual Purchase Rates for Excess Generation which are based on the determined at the Company's annual-avoided costs (Annual Purchase Rate), and updated annually. ~~high are updated annually and as specified below~~

The annual billing credit for customers served under a time-of-use rate shall be based on the on-peak and off-peak Annual Purchase Rates applied to the remaining kWh bank balance for the on-peak and off-peak periods. The billing credit for customers served under a non-time-of-use rate shall be based on the total Annual Purchase Rate applied to the total remaining kWh bank balance.



**RATE RIDER SCHEDULE EPR-6 (NET METERING)
 CLASSIFIED SERVICE
 RATES FOR RENEWABLE RESOURCE FACILITIES
 FOR PARTIAL REQUIREMENTS**

Annual Purchase Rates for Excess Generation (¢/kWh)

	<u>Non-Firm Power</u>			<u>Firm Power</u>		
	<u>On-peak</u>	<u>Off-peak</u>	<u>Total</u>	<u>On-peak</u>	<u>Off-peak</u>	<u>Total</u>
<u>Time-of-use rates</u>	6.5902.890	5.9632.733		7.7143.220	6.1722.795	
<u>Other rates</u>			6.1872.789			6.7222.947

DETERMINATION OF TOTAL CONNECTED LOAD

The generating capacity (kW) of the Net Metering Facility shall be determined by the Company to be less than or equal to 125% of the customer's Total Connected Load (kW) if it is:

1. Less than or equal to 30 kW or
2. Less than or equal to 125% times the customer's maximum metered demand prior to installing the Net Metering Facility, using available billing information at the time a customer requests enrollment in Schedule EPR-6. If metered demand information is not available, it may be estimated by multiplying monthly metered energy times a conversion factor of 0.00342 (kW per kWh), which is derived from a 40% load factor and 730 hours per month, or
3. Less than or equal to 125% times the maximum demand (kW) specified in an electric supply agreement, or

DETERMINATION OF TOTAL CONNECTED LOAD (Cont)

4. Less than or equal to 125% times the Total Connected Load (kW), which shall be determined from certified detailed load information supplied by the customer and approved by the Company, or
5. Less than or equal to the customer's service run capacity as determined by APS, prior to any upgrade to accommodate the customer's Net Metering Facility. Condition 5 shall only apply if metered load and Total Connected Load (kW) information is not able to be calculated.

CONTRACT PERIOD

Any applicable contract period(s) will be set forth in an Agreement between the customer and the Company.

METERING

Customers served under this rate schedule will require a bi-directional meter that will register and accumulate the net electrical requirements of the customer. ~~The Company will install such a meter at the customer's Net Metering Facility if proper metering is not already present. The incremental metering costs for bidirectional metering and the facility meter will be incurred by the Company.~~ The bi-directional meter shall be provided at no additional cost to the customer. ~~A bi-directional meter may not be required if the generating capacity of the Net Metering Facility is less~~

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Charles A. Miessner David J. Rumolo
 Title: Pricing Manager, Regulation and Pricing
 Original Effective Date: July 7, 2009
 2013

A.C.C. No. 58245712
 Cancelling A.C.C. No. 5712Rate Schedule EPR-6
 Rate Schedule EPR-6Original
 Effective: July 7, 2009Revision No. 1
 Effective: June 11, 2013



**RATE RIDER SCHEDULE EPR-6 (NET METERING)
CLASSIFIED SERVICE
RATES FOR RENEWABLE RESOURCE FACILITIES
FOR PARTIAL REQUIREMENTS**

than ~~210~~10% of the customer's lowest billing demand over the ~~previous~~ 12 months prior to requesting enrollment in Schedule EPR-6, or as otherwise determined by the Company through available information, ~~and~~ or if the customer agrees that they do not intend to net any Excess Generation on their monthly bill.

TERMS AND CONDITIONS

Service under this rate schedule is subject to the Company's Schedule 1 Terms and Conditions for Standard Offer and Direct Access Services, Schedule 2 Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities, Schedule 3 Conditions Governing Extensions of Electrical Distribution Lines and Services, and the Company's Interconnection Requirements for Distributed Generation.

**Non-Redline
Rate Rider
Schedule EPR-6**



**RATE RIDER SCHEDULE EPR-6 (NET METERING)
CLASSIFIED SERVICE
RATES FOR RENEWABLE RESOURCE FACILITIES
FOR PARTIAL REQUIREMENTS**

AVAILABILITY

This rate rider schedule is available in all territory served by the Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the sites served.

APPLICATION

This rate rider schedule is applicable to customers served by a retail rate schedule with metered kWh usage with a Net Metering Facility that uses Renewable Resources, a fuel cell, or combined heat and power (CHP) to produce electricity. Definitions are pursuant to A.A.C. R14-2-2302. Participation under this schedule is subject to the availability of required metering equipment compatible with the customer's retail rate schedule and electrical service configuration. All provisions of the customer's retail rate schedule will continue to apply except as noted below.

DEFINITIONS

1. **Combined Heat and Power (CHP)**: A system that generates electricity and useful thermal energy in a single, integrated system such that the useful power output of the facility plus one-half the useful thermal energy output during any 12-month period must be no less than 42.5 percent of the total energy input of fuel to the facility.
2. **Customer Supply**: Energy (kWh) from a customer-owned Net Metering Facility that exceeds the customer's load at a point in time and is fed back into the Company's electric system, as metered by the Company.
3. **Customer Purchase**: Energy (kWh) that is provided from the Company to the customer to serve the load that is not being served by a customer-owned Net Metering Facility, as metered by the Company.
4. **Excess Generation**: Equals the Customer Supply (kWh) less the Customer Purchase (kWh) over a monthly billing period. For time-of-use rates the Excess Generation corresponding to the on-peak and off-peak periods is computed for on-peak and off-peak periods over the monthly billing period. (Not to be less than zero).
5. **Fuel Cell**: A device that converts the chemical energy of a fuel directly into electricity without intermediate combustion or thermal cycles. For purposes of this rate schedule, the source of the chemical reaction must be derived from Renewable Resources.
6. **Net Metering Facility**: A facility for the production of electricity that:
 - a) Is operated by or on behalf of a Net Metering customer and is located on the net metering customer's premises and;
 - b) Is intended primarily to provide part or all of the net metering customer's requirement for electricity at the single point of electrical service where the generator is installed and;
 - c) Uses Renewable Resources, a fuel cell, or CHP to generate electricity and;
 - d) Has a generating capacity less than or equal to 125% of the net metering customer's Total Connected Load (kW), or in the absence of customer load data, capacity less than or equal to the customer's electric service drop capacity and;
 - e) Is interconnected with and can operate in parallel and in phase with the Company's existing distribution system.



**RATE RIDER SCHEDULE EPR-6 (NET METERING)
CLASSIFIED SERVICE
RATES FOR RENEWABLE RESOURCE FACILITIES
FOR PARTIAL REQUIREMENTS**

DEFINITIONS (Cont)

7. **Partial Requirements Service:** Electric service provided to a customer that has an interconnected Net Metering Facility whereby the output from its electric generator(s) first supplies its own electric requirements and any excess energy (over and above its own requirements at any point in time) is then provided to the Company. The Company supplies the customer's supplemental electric requirements (those not met by their own generation facilities). This configuration may also be referred to as the "parallel mode" of operation.
8. **Renewable Resources:** Natural resources that can be replenished by natural processes, including biogas, biomass, geothermal, hydroelectric, solar or wind.
9. **Non-Firm Power:** Electric power which is supplied by the Customer's generator at the Customer's option, where no firm guarantee is provided and the power can be interrupted by the Customer at any time.
10. **Firm Power:** Power available, upon demand, at all times (except for forced outages) during the period covered by the Purchase Agreement from the customer's facilities with an expected or demonstrated reliability which is greater than or equal to the average reliability of the Company's firm power sources. Determination of Firm Power will be in accordance with Rate Schedule EPR-2.
11. **Time Periods:** Mountain Standard Time shall be used in the application of this rate schedule. Because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods. On-peak and off-peak time periods will be determined by the customer's retail rate schedule.
12. **Total Connected Load:** The maximum potential demand (kW) measured or calculated at the electrical service entrance section serving the Net Metering Facility.

TYPE OF SERVICE

Electric sales to the Company must be single phase or three phase, 60 Hertz, at one standard voltage as may be selected by customer (subject to availability at the premises).

BILLING

A. During the billing period for:

1. Customer Purchases in excess of Customer Supply:

Company shall bill the customer for the net kWh supplied by the Company in accordance with the customer's retail rate schedule.

2. Customer Supply in excess of Customer Purchases (Excess Generation):

Company shall credit the customer the Excess Generation kWh in subsequent billing periods.



**RATE RIDER SCHEDULE EPR-6 (NET METERING)
CLASSIFIED SERVICE
RATES FOR RENEWABLE RESOURCE FACILITIES
FOR PARTIAL REQUIREMENTS**

BILLING (Cont)

- B. For customers taking service under time-of-use rates, Customer Supply and Customer Purchases will be segmented by on-peak and off-peak periods. Excess Generation kWh credits will be applied to the time-of-use periods in which the kWh were generated by the customer. If necessary, a super off-peak period may be combined with an off-peak period for netting purposes. Likewise, a peak period may be combined with a super-peak or shoulder period for netting purposes. In either case, netting shall occur from the lowest price period first.
- C. Basic Service Charges and Demand charges (either metered or contract) will continue to apply in full.
- D. For the last billing period of each calendar year, or for the last billing period at the time the customer discontinues taking service under this rate rider scheduler:

The Company shall issue a billing credit to the customer for any remaining Excess Generation balance. In the event the customer's electric service is terminated, after applying a billing credit for any Excess Generation up to the amount the customers owes the Company, the Company shall issue a check for the remaining value of the Excess Generation balance. The credit will be determined by the Annual Purchase Rates for Excess Generation which are based on the Company's avoided costs and updated annually.

The annual billing credit for customers served under a time-of-use rate shall be based on the on-peak and off-peak Annual Purchase Rates applied to the remaining kWh bank balance for the on-peak and off-peak periods. The billing credit for customers served under a non-time-of-use rate shall be based on the total Annual Purchase Rate applied to the total remaining kWh bank balance.

Annual Purchase Rates for Excess Generation (¢/kWh)

	Non-Firm Power			Firm Power		
	On-peak	Off-peak	Total	On-peak	Off-peak	Total
Time-of-use rates	2.890	2.733		3.220	2.795	
Other rates			2.789			2.947

DETERMINATION OF TOTAL CONNECTED LOAD

The generating capacity (kW) of the Net Metering Facility shall be determined by the Company to be less than or equal to 125% of the customer's Total Connected Load (kW) if it is:

1. Less than or equal to 30 kW or
2. Less than or equal to 125% times the customer's maximum metered demand prior to installing the Net Metering Facility, using available billing information at the time a customer requests enrollment in Schedule EPR-6. If metered demand information is not available, it may be estimated by multiplying monthly metered energy times a conversion factor of 0.00342 (kW per kWh), which is derived from a 40% load factor and 730 hours per month, or
3. Less than or equal to 125% times the maximum demand (kW) specified in an electric supply agreement, or



**RATE RIDER SCHEDULE EPR-6 (NET METERING)
CLASSIFIED SERVICE
RATES FOR RENEWABLE RESOURCE FACILITIES
FOR PARTIAL REQUIREMENTS**

DETERMINATION OF TOTAL CONNECTED LOAD (Cont)

4. Less than or equal to 125% times the Total Connected Load (kW), which shall be determined from certified detailed load information supplied by the customer and approved by the Company, or
5. Less than or equal to the customer's service run capacity as determined by APS, prior to any upgrade to accommodate the customer's Net Metering Facility. Condition 5 shall only apply if metered load and Total Connected Load (kW) information is not able to be calculated.

CONTRACT PERIOD

Any applicable contract period(s) will be set forth in an Agreement between the customer and the Company.

METERING

Customers served under this rate schedule will require a bi-directional meter that will register and accumulate the net electrical requirements of the customer. The bi-directional meter shall be provided at no additional cost to the customer. A bi-directional meter may not be required if the generating capacity of the Net Metering Facility is less than 20% of the customer's lowest billing demand over the 12 months prior to requesting enrollment in Schedule EPR-6, or as otherwise determined by the Company through available information, or if the customer agrees that they do not intend to net any Excess Generation on their monthly bill.

TERMS AND CONDITIONS

Service under this rate schedule is subject to the Company's Schedule 1 Terms and Conditions for Standard Offer and Direct Access Services, Schedule 2 Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities, Schedule 3 Conditions Governing Extensions of Electrical Distribution Lines and Services, and the Company's Interconnection Requirements for Distributed Generation.

Redline
Rate Rider
Schedule E-56R



**RATE RIDER SCHEDULE E-56 R
CLASSIFIED SERVICE
PARTIAL REQUIREMENTS**

AVAILABILITY

This rate rider schedule is available in all territory served by the Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served and when all applicable provisions described herein have been met.

APPLICATION

Customers taking service under this rate schedule will be served in accordance with the E-56 R Electric Supply/Purchase Agreement between Company and Customer, which is incorporated herein by reference. This rate schedule is applicable to customers having solar/photo voltaic, wind, geothermal, biomass, and biogas generation equipment with a nameplate service continuous rating of greater than 100 kW. This partial requirements rate rider schedule is applicable to standard offer customers served under a retail rate schedule with metered kWh usage and a Qualifying Renewable Facility capable of supplying all or a portion of its power requirements. Direct access customers are not eligible for service under this rate schedule. Participation in this schedule is subject to the availability of required metering equipment compatible with the customer's retail rate schedule and electrical service configuration. All provisions of the customer's retail rate schedule will continue to apply except as noted below.

DEFINITIONS

1. Qualifying Renewable Facility – A facility for the production of electricity that:
 - a) Is operated by or on behalf of the participating customer and is located on their premises and;
 - b) Is intended primarily to provide part or all of the customer's requirement for electricity at the single point of electrical service where the generator is installed and;
 - c) Uses solar photovoltaic, wind, geothermal, biomass, or biogas technology and;
 - d) Has a nameplate capacity continuous AC service rating of greater than 100 kW and;
 - e) Is interconnected with and can operate in parallel and in phase with the Company's existing distribution system.
2. Partial Requirements Service - Electric service provided to a customer that has an interconnected generator, where the generation output first supplies the customer's electric requirements and any excess energy (over and above its own requirements at any point in time) is then provided to the Company. The Company supplies the customer's supplemental electric requirements (those not met by their own generation facilities). This configuration may also be referred to as the "parallel mode" of operation.
3. Non-Firm Power - Electric power which is supplied by the customer's generator at the customer's option, where no firm guarantee is provided, and the power can be interrupted by the customer at any time.
4. Firm Power - Electric power which is supplied by the customer's generator with an expected or demonstrated reliability which is greater than or equal to the average reliability of the Company's firm power sources. Firm Power shall be determined in accordance with Rate Schedule EPR-2.
5. Excess Generation - Equals the customer's generation (kWh) in excess of their load at any point in time as metered by the Company. Excess Generation is computed for on-peak and off-peak billing periods.

ARIZONA PUBLIC SERVICE COMPANY
Phoenix, Arizona
Filed by: Charles A. Miessner David J. Rumolo
Title: Pricing Manager, Regulation and Pricing
Original Effective Date: January 23, 2008

A.C.C. No. 58575879
Cancelling A.C.C. No. 58795693
Rate Schedule E-56 R
Revision 24
Effective: June 14, 2013



RATE RIDER SCHEDULE E-56 R
CLASSIFIED SERVICE
PARTIAL REQUIREMENTS

6. Supplemental Service - Demand and energy provided by the Company to the customer to augment the power and energy provided by customer's generation facility.

DEFINITIONS (cont)

7. Standby Service: - Demand and energy provided by the Company to the customer to backup the power and energy from the customer's generation facility.

8. Supply Meter: - Equipment which measures the demand and energy provided by the Company to the customer and may also measure the excess generation flowing from the customer generator back to the Company's electrical distribution grid.

9. Generator Meter Equipment: - Equipment which measures the demand and energy output of the customer's generator. For customers with multiple generators, such equipment will consist of one meter for each generator.

DETERMINATION OF SUPPLEMENTAL SERVICE

Supplemental Service shall be provided at three phase at approximately 60 Hertz with a delivery voltage of specified in the Electric Supply Agreement.

Supplemental demand and energy shall be determined according to the customer's retail rate schedule.

DETERMINATION OF STANDBY SERVICE

For each specific customer generating unit for which the Company is providing Standby Service:

Standby Demand shall be the simultaneous 15 minute integrated kW demand as recorded on the Generator Meter Equipment at the time the customer's Supply Meter registers the highest 15 minute integrated kW demand during the billing month. For customers served under a time-of-use rate, Standby Demand shall be determined for the applicable on-peak and off-peak periods.

Standby Energy shall be the kWh measured on the Generator Meter Equipment during the billing month.

RATES

Supplemental Service: Shall be billed according to the customer's retail rate schedule.

Standby Service Charges:

The Standby Service charge shall be the unbundled delivery demand charge contained in the customer's retail rate schedule multiplied by the Standby Demand. For customers served under a time-of-use rate, this amount shall be calculated for the applicable on-peak and off-peak periods; plus

The unbundled delivery energy charge in the customer's retail rate schedule (if any) multiplied by the Standby Energy.

ARIZONA PUBLIC SERVICE COMPANY
Phoenix, Arizona
Filed by: Charles A. Miessner David J. Rumolo
Title: Pricing Manager, Regulation and Pricing
Original Effective Date: January 23, 2008

A.C.C. No. 58575879
Cancelling A.C.C. No. 58795693
Rate Schedule E-56 R
Revision 21
Effective: June 11, 2013

July 1, 2012



**RATE RIDER SCHEDULE E-56 R
CLASSIFIED SERVICE
PARTIAL REQUIREMENTS**

If the applicable rate schedule does not have unbundled charges, standby service shall be based on the demand charge in the customer's retail rate schedule less the unbundled transmission charge in Rate Schedule E-32 L, the result multiplied by the 15 minute integrated kW measured on the Generator Meter during the Customer's monthly peak demand.

PURCHASES FROM CUSTOMER

If the customer is served through a bi-directional meter, the Company will record and purchase the Excess Generation from the customer at the applicable per kWh seasonal non-firm purchase rates provided in Rate Rider Schedule EPR-2. If the customer is not served with a bi-directional meter, the Company will not record or purchase the Excess Generation.

METERING

The Company will install, at the customer's expense, a bi-directional meter at the point of delivery to the customer (Supply Meter) and a meter(s) at the each point(s) of output from each of the customer's generators (Generator Meter Equipment). All meters will record integrated demand and energy on the same 15- minute interval basis as specified by the Company. A bi-directional meter may not be required if the customer cannot be served through a bidirectional meter, or if the generating capacity of the Qualifying Renewable Facility is less than 20% of the customer's lowest billing demand over the 12 months prior to seeking enrollment in Schedule SC-S, or as otherwise determined by the Company through available information, or if the customer agrees that they do not intend to be compensated for any Excess Generation.

CONTRACT PERIOD

As provided in the E-56 R Electric Supply/Purchase Agreement between Company and Customer.

TERMS AND CONDITIONS

Customer must enter into an Interconnection Agreement and the E-56 R Electric Supply/Purchase Agreement to establish all pertinent details related to interconnection and other required service standards. APS will file the executed Electric Supply/Purchase Agreement in compliance with A.C.C. Decision No. 70130.

**Non-Redline
Rate Rider
Schedule E-56R**



**RATE RIDER SCHEDULE E-56 R
CLASSIFIED SERVICE
PARTIAL REQUIREMENTS**

AVAILABILITY

This rate rider schedule is available in all territory served by the Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served and when all applicable provisions described herein have been met.

APPLICATION

This partial requirements rate rider schedule is applicable to standard offer customers served under a retail rate schedule with metered kWh usage and a Qualifying Renewable Facility capable of supplying all or a portion of its power requirements. Direct access customers are not eligible for service under this schedule. Participation in this schedule is subject to the availability of required metering equipment compatible with the customer's retail rate schedule and electrical service configuration. All provisions of the customer's retail rate schedule will continue to apply except as noted below.

DEFINITIONS

1. Qualifying Renewable Facility – A facility for the production of electricity that:
 - a) Is operated by or on behalf of the participating customer and is located on their premises and;
 - b) Is intended primarily to provide part or all of the customer's requirement for electricity at the single point of electrical service where the generator is installed and;
 - c) Uses solar photovoltaic, wind, geothermal, biomass, or biogas technology and;
 - d) Has a nameplate capacity continuous AC service rating of greater than 100 kW and;
 - e) Is interconnected with and can operate in parallel and in phase with the Company's existing distribution system.
2. Partial Requirements Service - Electric service provided to a customer that has an interconnected generator, where the generation output first supplies the customer's electric requirements and any excess energy (over and above its own requirements at any point in time) is then provided to the Company. The Company supplies the customer's supplemental electric requirements (those not met by their own generation facilities). This configuration may also be referred to as the "parallel mode" of operation.
3. Non-Firm Power - Electric power which is supplied by the customer's generator at the customer's option, where no firm guarantee is provided, and the power can be interrupted by the customer at any time.
4. Firm Power - Electric power which is supplied by the customer's generator with an expected or demonstrated reliability which is greater than or equal to the average reliability of the Company's firm power sources. Firm Power shall be determined in accordance with Rate Schedule EPR-2.
5. Excess Generation - Equals the customer's generation (kWh) in excess of their load at any point in time as metered by the Company. Excess Generation is computed for on-peak and off-peak billing periods.
6. Supplemental Service - Demand and energy provided by the Company to the customer to augment the power and energy provided by customer's generation facility.



**RATE RIDER SCHEDULE E-56 R
CLASSIFIED SERVICE
PARTIAL REQUIREMENTS**

DEFINITIONS (cont)

7. Standby Service: - Demand and energy provided by the Company to the customer to backup the power and energy from the customer's generation facility.
8. Supply Meter: - Equipment which measures the demand and energy provided by the Company to the customer and may also measure the excess generation flowing from the customer generator back to the Company's electrical distribution grid.
9. Generator Meter Equipment: - Equipment which measures the demand and energy output of the customer's generator. For customers with multiple generators, such equipment will consist of one meter for each generator.

DETERMINATION OF SUPPLEMENTAL SERVICE

Supplemental Service shall be provided at three phase at approximately 60 Hertz with a delivery voltage of specified in the Electric Supply Agreement.

Supplemental demand and energy shall be determined according to the customer's retail rate schedule.

DETERMINATION OF STANDBY SERVICE

For each specific customer generating unit for which the Company is providing Standby Service:

Standby Demand shall be the simultaneous 15 minute integrated kW demand as recorded on the Generator Meter Equipment at the time the customer's Supply Meter registers the highest 15 minute integrated kW demand during the billing month. For customers served under a time-of-use rate, Standby Demand shall be determined for the applicable on-peak and off-peak periods.

Standby Energy shall be the kWh measured on the Generator Meter Equipment during the billing month.

RATES

Supplemental Service: Shall be billed according to the customer's retail rate schedule.

Standby Service Charges:

The Standby Service charge shall be the unbundled delivery demand charge contained in the customer's retail rate schedule multiplied by the Standby Demand. For customers served under a time-of-use rate, this amount shall be calculated for the applicable on-peak and off-peak periods; plus

The unbundled delivery energy charge in the customer's retail rate schedule (if any) multiplied by the Standby Energy.

If the applicable rate schedule does not have unbundled charges, standby service shall be based on the demand charge in the customer's retail rate schedule less the unbundled transmission charge in Rate Schedule E-32 L, the result multiplied by the 15 minute integrated kW measured on the Generator Meter during the Customer's monthly peak demand.



**RATE RIDER SCHEDULE E-56 R
CLASSIFIED SERVICE
PARTIAL REQUIREMENTS**

PURCHASES FROM CUSTOMER

If the customer is served through a bi-directional meter, the Company will record and purchase the Excess Generation from the customer at the applicable per kWh seasonal non-firm purchase rates provided in Rate Rider Schedule EPR-2. If the customer is not served with a bi-directional meter, the Company will not record or purchase the Excess Generation.

METERING

The Company will install, at the customer's expense, a bi-directional meter at the point of delivery to the customer (Supply Meter) and a meter at each point of output from each of the customer's generators (Generator Meter Equipment). All meters will record integrated demand and energy on the same 15- minute interval basis as specified by the Company. A bi-directional meter may not be required if the customer cannot be served through a bidirectional meter, or if the generating capacity of the Qualifying Renewable Facility is less than 20% of the customer's lowest billing demand over the 12 months prior to seeking enrollment in Schedule SC-S, or as otherwise determined by the Company through available information, or if the customer agrees that they do not intend to be compensated for any Excess Generation.

TERMS AND CONDITIONS

Customer must enter into an Interconnection Agreement.