



0000119733

ORIGINAL

Jana Van Ness
Manager
State Regulations

Tel 602/250-2310
Fax 602/250-3399
e-mail: Jana.VanNess@aps.com
<http://www.aps.com>

Mail Station 9905
P.O. Box 53999
Phoenix, AZ 85072-3999

50T

June 14, 2001

Ms. Deborah Scott
Director, Utilities Division
Arizona Corporation Commission
1200 W. Washington
Phoenix, Arizona 85007

AZ CORP COMMISSION
DOCUMENT CONTROL

2001 JUN 14 P 4: 25

RECEIVED

RE: DOCKET NO. E-01345A-98-0473
E-01345A-97-0773
RE-00000C-94-0165
DECISION NO. 61973

Dear Ms. Scott:

Pursuant to the Arizona Public Service Company ("APS") Settlement Agreement, APS is submitting a complete set of rate schedules for your review. These schedules will become effective July 1, 2001 and reflect the 1.5% decrease as defined in Article II, Section 2.2 of the Settlement Agreement.

Please note that the attached contract rate schedules are marked confidential and we request that you treat them in this manner. In addition to these copies, we are filing the non-confidential schedules with Docket Control.

Sets of replacement schedules for those Staff members who maintain APS Rate Manuals will be mailed within the first week of July.

If you or your staff have any questions, please feel free to call me.

Sincerely,

Arizona Corporation Commission
DOCKETED

JUN 14 2001

DOCKETED BY *sd*

Jana Van Ness
Manager
State Regulations

Attachment

JVN/srm

Cc: Patrick Williams,
Manager, Compliance & Enforcement
Docket Control (18 copies)

CLASSIFICATION OF SERVICES

A. RESIDENTIAL SERVICE

1. Residence - Single

Residential service to a single residence covers electric service to a private residence or individually metered apartment unit, only.

Outbuildings on the same premises may be connected to the residential service meter, but only if such outbuildings form a part of the general living establishment.

2. Residence - Multiple

Residential service to two or more residences on the same premises or a residence or residences subdivided into two or more individual housekeeping apartments shall not be supplied through one meter on a Residential Service Rate Schedule.

Individual meters will be installed by the Company for each individual dwelling or housekeeping unit. If, for any reason, a separate meter is not installed for each individual dwelling or housekeeping unit, then the appropriate General Service Rate Schedule will be used for billing for the service supplied through the single meter.

3. Professional Offices or Commercial Activities in Dwellings

The supply of service under a Residential Rate Schedule to a dwelling involving some business or professional activity will be permitted only where such activity is of only occasional occurrence, or where the energy used in connection with such activity is small in amount and used only by equipment which would normally be in use if the space were used as living quarters.

Where the portion of a dwelling is used regularly for business, professional or other gainful purposes, and any considerable amount of electricity is used for other than domestic purposes, or electric equipment not normally used in living quarters is installed in connection with such activities referred to above, the entire premises shall be classified as non-residential and the appropriate General Service Rate Schedule shall be applied. Customer may at his option provide separate circuits so that the residential uses can be metered and billed separately under the appropriate Residential Service Rate Schedule, and the other uses under the appropriate General Service Rate Schedule.

4. Farm and Rural Residences

The Residential Service Rate Schedules are available for electric service through one meter to a farm residence, and the usual farm uses outside the dwelling unit, but not if the use extends to operations such as canning plants, packing plants, stone quarries, ice cream manufacturing plants, stores, restaurants, tea rooms, tourist and trailer camps, gasoline stations, automobile service stations, repair shops, blacksmith shops or any other commercial or non-farming operation.

In no case shall the use extend to the processing, preparing or distributing of products not raised on the same farm and in no cases shall the use extend to a hatchery, dairy, butchery, greenhouse, or any other specialized operation unless such operation is conducted solely by the farmer and is incidental to the usual farm residence uses.

Customer may at his option elect to take the entire service under the appropriate General Service Rate Schedule, or may provide separate circuits so that the residential uses, together with the usual farm uses outside the dwelling unit, can be metered and billed separately under the appropriate Residential Service Rate Schedule, and the other uses under the appropriate General Service Rate Schedule.

The Residential Service Rate Schedules are not available for any use outside the dwelling unit on a farm which is not operated by an individual owner or lessee, occupying the farm residence.

B. GENERAL SERVICE

This covers service to any establishment for any purpose not prohibited by the rate schedule or Agreement for Service.

The General Service Rate Schedules are available only when all electric service required on the premises is taken through one meter at one point of delivery, except that:

(a) General Service Rate Schedules are available for more than one point of delivery on any one premise, provided that in such event, service supplied at each point of delivery will be separately metered and separately billed.

(b) The General Service Rate Schedules will be available for service to that portion of the Customer's premises which cannot be served at the Residential Service Rate Schedule or a Classified Service Rate Schedule. Service to such portion of the premises shall be considered as service to a separate customer, and all electric service taken therein at the General Service Rate Schedule must be through one meter at one point of delivery.

(CONTINUED ON REVERSE SIDE)

C. CLASSIFIED SERVICE

Classified service covers service for which specific rate schedules are available, due to the nature and load characteristics of the particular business. For such service, the General Service Rate Schedule may be used, except as specifically prohibited in that Schedule, while Classified Rate Schedules are available only to those businesses complying with the specific requirements of the particular schedule.

Service supplied under a Classified Rate Schedule shall be used only for the purposes specified in such rate schedule. In the event the Company questions whether the service is being used in compliance with said rate schedule, the customer shall have the burden of establishing such compliance to the satisfaction of the Company. In the absence of such compliance, the Company may substitute an appropriate General Service Rate Schedule.

A customer conducting mixed operations, a part of which may be served at a Classified Rate Schedule may, at his option, elect to take the entire service under the General Service Rate Schedule or may provide separate circuits so that the classified service can be metered and billed separately at the available classified schedule, and the other uses metered and billed under the available General Service Rate Schedule.

The Classified Services for which specific rate schedules are available, excluding special street light service, are listed below.

<u>Schedule No.</u>	<u>Classification</u>
E-20	General Service Time of Use for Religious Houses of Worship
E-36	Station Use Service
E-38*	Agricultural Irrigation Service
E-38-8T*	Agricultural Irrigation Service Time of Use
E-40	Agricultural Wind Machine Service
E-47**	Dusk to Dawn
E-51*	Optional Electric Service for Qualified Cogeneration and Small Power Production Facilities over 100 kW
E-52	Electric Service for Partial Requirements Service of less than 3,000 kW
E-55	Electric Service for Partial Requirements Service 3,000 kW or greater
E-58**	Street Lighting Service
E-59	Government Owned Street Lighting Systems
E-221	Water Pumping Service (irrigation or potable)
E-221-8T	Water Pumping Service Time of Use (irrigation or potable)
EQF-Maint	Scheduled Maintenance Electric Service for Qualified Cogeneration and Small Power Production Facilities
EQF-Standby	Standby Electric Service for Qualified Cogeneration and Small Power Production Facilities
Solar-1*	Photovoltaic Service Pilot Program
Solar-2	Individual Solar Electric Service
SP-1	Solar Partners

Purchase Rates

EPR-2	Purchase Rates for Qualified Cogeneration and Small Power Production Facilities under 100 kW Receiving Partial Requirements or Interruptible Service
EPR-3*	Purchase Rates for Qualified Solar/Photovoltaic Small Power Production Facilities 10 kW or Less that Receive Full or Partial Requirements Electric Service
EPR-4	Purchase Rates for Qualified Small Power Production Facilities 10 kW or Less Utilizing Renewable Resource Technologies that Receive Partial Requirements Electric Service

Riders

EPS-1	Environmental Portfolio Surcharge – Applicable to all tariffs except solar
-------	--

* Frozen Rate

** Partially Frozen Rate

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: January 1, 1969

A.C.C. No. 5449
 Cancelling A.C.C. No. 5405
 Tariff or Schedule No. E-10
 Revision No. 34
 Effective: July 1, 2001

RESIDENTIAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service, except as stated below, required for residential purposes in individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter. For those dwellings and apartments where electric service has historically been measured through two meters, when one of the meters was installed pursuant to a water heating or space heating rate schedule no longer in effect, the electric service measured by such meters shall be combined for billing purposes.

Applicable only to those customers being served on Company's Rate Schedule E-10 prior to December 6, 1991.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	May-October Billing Cycles (Summer)	\$ 7.50 0.06912 0.09506 0.09765	Basic Service Charge, plus per kWh first 400 kWh per kWh next 400 kWh per kWh all additional kWh
	November-April Billing Cycles (Winter)	\$ 7.50 0.07871	Basic Service Charge, plus per kWh for all kWh
B.	<u>MINIMUM</u>	\$ 7.50	per month

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: July 1, 1983

A.C.C. No. 5450
 Cancelling A.C.C. No. 5406
 Tariff or Schedule No. E-12
 Revision No. 18
 Effective: July 1, 2001

RESIDENTIAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service, except as stated below, required for residential purposes in individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter. For those dwellings and apartments where electric service has historically been measured through two meters, when one of the meters was installed pursuant to a water heating or space heating rate schedule no longer in effect, the electric service measured by such meters shall be combined for billing purposes.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	May-October Billing Cycles (Summer)	\$ 7.50 0.07630 0.10636 0.12404	Basic Service Charge, plus per kWh first 400 kWh per kWh next 400 kWh per kWh all additional kWh
	November-April Billing Cycles (Winter)	\$ 7.50 0.07648	Basic Service Charge, plus per kWh for all kWh
B.	<u>MINIMUM</u>	\$ 7.50	per month

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: May 1, 1981

A.C.C. No. 5451
 Cancelling A.C.C. No. 5407
 Tariff or Schedule No. EC-1
 Revision No. 24
 Effective: July 1, 2001

RESIDENTIAL SERVICE WITH DEMAND CHARGE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service, except as stated below, required for residential purposes in individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter.

Applicable only to those customers being served on Company's Rate Schedule EC-1 prior to December 6, 1991, except those customers who have installed and operate either a solar water heater, installed by a registered installer, or an electric heat pump water heater.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	May-October Billing Cycles (Summer)	\$10.00 10.18 0.03958	Basic Service Charge, plus per kW Capacity Charge (but not more than \$0.08144 per kWh for all kWh use), plus per kWh for all kWh
	November-April Billing Cycles (Winter)	\$10.00 7.30 0.03285	Basic Service Charge, plus per kW Capacity Charge (but not more than \$0.05840 per kWh for all kWh use), plus per kWh for all kWh

DETERMINATION OF KW CAPACITY

The average kW supplied during the 60-minute period of maximum use during the month, as determined from readings of the Company's meter. In the event the meter is inaccessible to the meter reader due to locked gates or because of safety limitations, the kW shall be that measured since the last resetting of the kW dial. If the kW dial was not reset, the Customer may request a resetting to zero for a charge of \$10 per trip. However, the request from the Customer must be within three (3) days of notification by APS that the meter reader was unable to reset the kW dial. The kW dial will be reset to zero, unless the registered kW at the reset time is greater than the registered kW at the last scheduled reading. The billing kW shall be the kW registered on the kW dial at the next scheduled reading.

B.	<u>MINIMUM</u>	\$10.00	per month
----	----------------	---------	-----------

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

FROZEN

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: December 1, 1988

A.C.C. No. 5452
 Cancelling A.C.C. No. 5408
 Tariff or Schedule No. ECT-1R
 Revision No. 12
 Effective: July 1, 2001

RESIDENTIAL SERVICE
TIME-OF-USE
WITH DEMAND CHARGE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service required for residential purposes in specified individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter.

Rate selection is subject to sections numbered 3.2 and 3.3 of Schedule No. 1 of the Company's "Terms and Conditions," except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter.^{1/}

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

May-October	\$15.00	Basic Service Charge, plus
Billing Cycles	11.72	per kW Capacity Charge On-Peak, (but not more
(Summer)		than \$0.09376 per kWh for all kWh use), plus
	0.04729	per kWh On-Peak
	0.02630	per kWh Off-Peak
November-April	\$15.00	Basic Service Charge, plus
Billing Cycles	8.39	per kW Capacity Charge On-Peak, (but not more
(Winter)		than \$0.06712 per kWh for all kWh use), plus
	0.03743	per kWh On-Peak
	0.02630	per kWh Off-Peak

DETERMINATION OF KW CAPACITY

The average kW supplied during the 60-minute period of maximum use between 9 a.m. and 9 p.m. Monday through Friday of the billing month, as determined from readings of the Company's meter. In the event the meter is inaccessible to the meter reader due to locked gates or because of safety limitations, the kW shall be that measured since the last resetting of the kW dial. If the kW dial was not reset, the Customer may request a resetting to zero for a charge of \$10 per trip. However, the request from the Customer must be within three (3) days of notification by APS that the meter reader was unable to reset the kW dial. The kW dial will be reset to zero, unless the registered kW at the reset time is greater than the registered kW at the last scheduled reading. The billing kW shall be the kW registered on the kW dial at the next scheduled reading.

^{1/} The type of meter required is not generally used for residential purposes and therefore their availability is limited. Additionally, it is not known how many meters may be required. Consequently, the Company cannot guarantee installation within any specific time.

A. RATE (continued)

TIME PERIODS

On-Peak Period: 9 a.m. - 9 p.m., Monday through Friday
Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM \$15.00 per month

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: January 1, 1982

A.C.C. No. 5453
 Cancelling A.C.C. No. 5409
 Tariff or Schedule No. ET-1
 Revision No. 23
 Effective: July 1, 2001

RESIDENTIAL SERVICE
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service required for residential purposes in specified individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter.

Rate selection is subject to Sections numbered 3.2 and 3.3 of Schedule No. 1 of the Company's "Terms and Conditions," except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatthour meter.^{1/}

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

May-October	\$15.00	Basic Service Charge, plus
Billing Cycles	0.13257	per kWh On-Peak
(Summer)	0.04272	per kWh Off-Peak
November-April	\$15.00	Basic Service Charge, plus
Billing Cycles	0.11023	per kWh On-Peak
(Winter)	0.04272	per kWh Off-Peak

TIME PERIODS

On-Peak Period: 9 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads, the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

^{1/} The type of meter required is not generally used for residential purposes and therefore their availability is limited. Additionally, it is not known how many meters may be required. Consequently, the Company cannot guarantee installation within any specific time.

B. MINIMUM \$15.00 per month

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: December 29, 1992

A.C.C. No. 5454
 Cancelling A.C.C. No. 5412
 Tariff or Schedule No. E-21
 Revision No. 7
 Effective: July 1, 2001

SMALL GENERAL SERVICE
TIME OF USE
LESS THAN 100 KW

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of sixty (60) customers with a demand of 0-40 kW, twenty-five (25) with a demand of 41-70 kW and fifteen with a demand of 71-100 kW, for a total of one hundred (100) customers, may be served on this rate. The initial assignment to this rate will be based on the highest actual or estimated demand, on-peak or off-peak, in a continuous twelve (12) month period. The customers will be selected and approved by the Director of the Utilities Division after consultation with all interested parties.

APPLICATION

To customers whose monthly maximum demand is 100 kW or less. In the event the demand exceeds 100 kW for three (3) consecutive months, this rate is no longer applicable.

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.

Applicable only to those customers being served on Company's Rate Schedule E-21 prior to July 1, 1996.

Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter. ^{1/}

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October	\$27.00	Basic Service Charge, plus
Billing Cycles	1.99	per kW* Demand Charge On-Peak
(Summer)	0.11968	per kWh On-Peak
	0.05780	per kWh Off-Peak
November-May	\$27.00	Basic Service Charge
Billing Cycles	1.80	per kW* Demand Charge On-Peak
(Winter)	0.10525	per kWh On-Peak
	0.05181	per kWh Off-Peak

* In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

^{1/} The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.65 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

FRONTZEM

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: April 1, 1988

A.C.C. No. 5455
 Cancelling A.C.C. No. 5413
 Tariff or Schedule No. E-22
 Revision No. 12
 Effective: July 1, 2001

SMALL GENERAL SERVICE
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of three hundred (300) customers, selected and approved by the Director of the Utilities Division after consultation with all interested parties, may be served under this rate schedule.

APPLICATION

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.

Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter. ^{1/}

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October	\$27.00	Basic Service Charge, plus
Billing Cycles	2.20	per kW* Demand Charge On-Peak
(Summer)	0.11997	per kWh On-Peak
	0.07395	per kWh Off-Peak
November-May	\$27.00	Basic Service Charge
Billing Cycles	2.00	per kW* Demand Charge On-Peak
(Winter)	0.10716	per kWh On-Peak
	0.06361	per kWh Off-Peak

* In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

^{1/} The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.65 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: April 1, 1988

A.C.C. No. 5456
 Cancelling A.C.C. No. 5414
 Tariff or Schedule No. E-23
 Revision No. 11
 Effective: July 1, 2001

MEDIUM GENERAL SERVICE
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of one hundred and fifty (150) customers, selected and approved by the Director of the Utilities Division after consultation with all interested parties, may be served under this rate schedule.

APPLICATION

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.

Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter.^{1/}

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October	\$58.00	Basic Service Charge, plus
Billing Cycles	6.35	per kW* Demand Charge On-Peak
(Summer)	0.08077	per kWh On-Peak
	0.05780	per kWh Off-Peak
November-May	\$58.00	Basic Service Charge
Billing Cycles	5.76	per kW* Demand Charge On-Peak
(Winter)	0.07250	per kWh On-Peak
	0.05181	per kWh Off-Peak

* In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

^{1/} The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.65 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: April 1, 1988

A.C.C. No. 5457
 Cancelling A.C.C. No. 5415
 Tariff or Schedule No. E-24
 Revision No. 12
 Effective: July 1, 2001

LARGE GENERAL SERVICE
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of fifty (50) customers, selected and approved by the Director of the Utilities Division after consultation with all interested parties, may be served under this rate schedule.

APPLICATION

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.

Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter. ^{1/}

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October	\$1,000.00	Basic Service Charge, plus
Billing Cycles	9.29	per kW* Demand Charge On-Peak
(Summer)	0.05227	per kWh On-Peak
	0.03757	per kWh Off-Peak
November-May	\$1,000.00	Basic Service Charge
Billing Cycles	8.42	per kW* Demand Charge On-Peak
(Winter)	0.04672	per kWh On-Peak
	0.03357	per kWh Off-Peak

* In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

^{1/} The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.65 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: November 1, 1986

A.C.C. No. 5458
 Cancelling A.C.C. No. 5416
 Tariff or Schedule No. E-30
 Revision No. 11
 Effective: July 1, 2001

EXTRA SMALL GENERAL SERVICE
UNMETERED

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service where the monthly demand and energy requirements are constant, subject to the limitations set forth in the Special Provisions of this schedule. Billing quantities must be subject to accurate determination without the use of metering equipment, and service must be supplied at one point of delivery.

Not applicable to breakdown, standby, supplementary, residential, or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 volts as may be selected by customer subject to availability at the customer's premise). The cost of service extension shall include transformation equipment, if required.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	June-October Billing Cycles (Summer)	\$6.25 0.10498	Basic Service Charge, plus per kWh for all kWh
	November-May Billing Cycles (Winter)	\$6.25 0.09455	Basic Service Charge, plus per kWh for all kWh
B.	<u>MINIMUM</u>	\$6.25	per month

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

(CONTINUED ON REVERSE SIDE)

SPECIAL PROVISIONS

1. This rate schedule is applicable only to loads where monthly demand (kW) and energy (kWh) requirements remain constant. Monthly demand and energy requirements may not exceed 5 kW or 3,650 kWh, respectively, for each delivery point. Determination of fixed monthly energy usage will be based on an average 730 hour month.
2. Prior written approval by an authorized Company representative is required before service is implemented under this rate schedule.
3. Prior written approval by an authorized Company representative is required for any change in loads. Unauthorized load change will automatically disqualify customer from service under this rate schedule.
4. Company shall have the right to inspect customer's load facilities at any time to assure compliance with all provisions of this rate schedule.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to the Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: November 1, 1983

A.C.C. No. 5459
 Cancelling A.C.C. No. 5417
 Tariff or Schedule No. E-32
 Revision No. 16
 Effective: July 1, 2001

GENERAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service required when such service is supplied at one point of delivery and measured through one meter. For those service locations where electric service has historically been measured through two meters, when one of the meters was installed pursuant to a water heating rate schedule no longer in effect, the electric service measured by such meters shall be combined for billing purposes.

Not applicable to breakdown, standby, supplementary, residential or resale service nor to service for which Rate Schedule E-34 is applicable.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October Billing Cycles (Summer)	\$12.50 1.76 0.10520 0.10520 0.07208 0.04540	Basic Service Charge, plus for each kW in excess of 5, plus per kWh for the first 2,500 kWh per kWh for the next 100 kWh per kW over 5 per kWh for the next 42,000 kWh per kWh for all additional kWh
November-May Billing Cycles (Winter)	\$12.50 1.59 0.09476 0.09476 0.06473 0.04060	Basic Service Charge, plus for each kW in excess of 5, plus per kWh for the first 2,500 kWh per kWh for the next 100 kWh per kW over 5 per kWh for the next 42,000 kWh per kWh for all additional kWh

DETERMINATION OF KW

The average kW supplied during the 15-minute period of maximum use during the month, as determined from readings of the Company's meter.

- B. MINIMUM \$12.50 plus \$1.65 for each kW in excess of five of either the highest kW established during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

The applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

BILLING FORMULA

The monthly bill computed under Section A of the Monthly Bill may be calculated by applying the values in the following table to measured kW and kWh.

		SUMMER (June through October) (Billing Cycles)			WINTER (November through May) (Billing Cycles)		
		\$/kWh	\$/kW	\$ Adder	\$/kWh	\$/kW	\$ Adder
A.	For 0 to 5 kW:						
1.	If kWh ≤ 2,500	0.10520	0.00	12.50	0.09476	0.00	12.50
2.	If kWh > 2,500	0.07208	0.00	95.30	0.06473	0.00	87.58
B.	For kW > 5 kW:						
1.	If kWh ≤ (kW x 100)+2,000	0.10520	1.76	3.70	0.09476	1.59	4.55
2.	If kWh > (kW x 100)+2,000 and ≤ (kW x 100)+44,000	0.07208	5.072	69.94	0.06473	4.593	64.61
3.	If kWh > (kW x 100)+44,000	0.04540	7.740	1,243.86	0.04060	7.006	1,126.33

CONTRACT PERIOD

0 - 1,999 kW:	As provided in Company's standard agreement for service.
2,000 kW and above:	Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: November 1, 1983

A.C.C. No. 5460
 Cancelling A.C.C. No. 5418
 Tariff or Schedule No. E-34
 Revision No. 16
 Effective: July 1, 2001

EXTRA LARGE GENERAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To customers whose monthly maximum demand is 3,000 kW or more for three (3) consecutive months in any continuous twelve (12) month period ending with the current month. Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer's contract.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Three phase, 60 Hertz, at Company's standard voltages that are available within the vicinity of customer's premises.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>	\$2,430.00	Basic Service Charge, plus
		10.69	per kW, plus
		0.03150	per kWh for all kWh

DETERMINATION OF KW

The greater of:

1. The average kW supplied during the 15-minute period (or other period as specified by individual customer's contract) of maximum use during the month, as determined from readings of the Company's meter.
2. 80% of the highest kW measured during the five (5) summer billing months (June-October) of the 12 months ending with the current month.
3. The minimum kW specified in the agreement for service or individual customer's contract.

B.	<u>MINIMUM</u>	\$2,430.00 plus \$10.69 per kW as determined in Part A per month
----	----------------	--

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

For service locations in:

- a) Isolated Areas Ten (10) years, or longer, at Company's option, with standard seven (7) year termination provision.
- b) Other Areas Three (3) years, or longer, at Company's option.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special terms and conditions at Company's option as provided for in any Contract or Agreement for Service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: November 10, 1988

A.C.C. No. 5461
 Cancelling A.C.C. No. 5419
 Tariff or Schedule No. E-35
 Revision No. 11
 Effective: July 1, 2001

EXTRA LARGE GENERAL SERVICE
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To customers whose monthly maximum demand in any time period is 3,000 kW or more for three (3) consecutive months in any twelve (12) month period ending with the current month. Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer's contract.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Three phase, 60 Hertz, at Company's standard voltages that are available within the vicinity of customer's premises.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>	\$2,450.00	Basic Service Charge, plus
		13.15	per kW Billing Demand On-Peak, plus
		6.58	per kW* Excess Billing Demand Off-Peak,
			if applicable, plus
		0.03632	per kWh On-Peak
		0.02121	per kWh Off-Peak

* In the event the measured Off-Peak kW for the current month is greater than twice the measured On-Peak kW for the current month, the difference between such measured Off-Peak kW and twice the measured On-Peak kW shall be defined as Excess Billing Demand Off-Peak. Excess Billing Demand Off-Peak shall be billed at 50% of the rate for Billing Demand On-Peak, as stated above. Charges for Excess Demand Off-Peak are in addition to the charges for Billing Demand On-Peak, as stated above.

DETERMINATION OF BILLING DEMAND ON-PEAK

The greater of:

1. The measured On-Peak kW for the current month, which is the average kW supplied during the 15-minute period of maximum use during the On-Peak period of the current month as determined from the readings of the Company's meter.
2. 80% of the highest kW measured during the On-Peak hours of the five (5) summer billing months (June-October) of the 12 months ending with the current month.

DETERMINATION OF MEASURED OFF-PEAK KW DEMAND FOR THE CURRENT MONTH

The average kW supplied during the 15-minute period of maximum use during the Off-Peak period of the current month as determined from the readings of the Company's meter.

B.	<u>MINIMUM</u>	\$2,450.00 plus \$13.15 times the minimum kW specified in the agreement for service or individual customer's contract.
----	----------------	--

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday
Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

CONTRACT PERIOD

For service locations in:

- a) Isolated Areas Ten (10) years, or longer, at Company's option, with standard seven (7) year termination provision.
- b) Other Areas Three (3) years, or longer at Company's option.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special terms and conditions at Company's option as provided for in any Contract or Agreement for Service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
Phoenix, Arizona
Filed by: Alan Propper
Title: Director of Pricing and Regulation
Original Effective Date: December 1, 1951

A.C.C. No. 5462
Cancelling A.C.C. No. 5420
Tariff or Schedule No. E-54
Revision No. 37
Effective: July 1, 2001

SEASONAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service billed under the applicable General Service rate schedule (except as limited below) where the customer's requirements are distinctly of a recurring seasonal nature, and where the customer contracts for service for a sufficient period of time and guarantees payments of a sufficient amount (in no event less than \$601.32 in any 12 consecutive months) to justify the Company in installing its service facilities and leaving them in place from season to season.

Application is subject to the following limitations:

1. Applicable only to electric service billed on Rate Schedule E-32.
2. Not applicable to breakdown, standby, supplementary or resale service.
3. Not applicable to service where highest kW occurs in the billing months of June, July or August.

All provisions of the applicable General Service rate schedule will apply except as modified herein.

BILLING

In accordance with the schedule specified above except:

That the minimum monthly bill shall be the monthly minimum specified in the rate schedule, but not more than an amount sufficient to make the total charges for the 12 months ending with the current month equal to twelve times the minimum specified in the rate schedule as calculated on the highest kW established during the 12 months ending with the current month, or the minimum kW specified in the Agreement for Service, whichever is greater, but in no event less than \$601.32.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: July 1, 1996

A.C.C. No. 5463
 Canceling A.C.C. No. 5423
 Tariff or Schedule No. E-20
 Revision No. 5
 Effective Date: July 1, 2001

GENERAL SERVICE
TIME OF USE FOR
RELIGIOUS HOUSES OF WORSHIP

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

Applicable to non-taxable religious houses of worship, that apply for and are eligible for such service, whose main purpose is worship and who have an established and continuing membership, but will be limited to the meter that serves the building in which the sanctuary or principal place of worship is located.

The religious houses of worship may be requested to provide the Company a copy of the letter of determination of non-taxable status as a religious organization from the Internal Revenue Service. In addition, the religious houses of worship agrees to provide the Company a copy within 30 days if the letter is changed by the Internal Revenue Service.

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.

Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter. ^{1/}

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October Billing Cycles (Summer)	\$27.00 1.99 0.11968 0.05780	Basic Service Charge, plus per kW* Demand Charge On-Peak per kWh On-Peak per kWh Off-Peak
November-May Billing Cycles (Winter)	\$27.00 1.80 0.10525 0.05181	Basic Service Charge per kW* Demand Charge On-Peak per kWh On-Peak per kWh Off-Peak

* In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

^{1/} The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

(CONTINUED ON REVERSE SIDE)

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.65 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the sale of electric service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: December 1, 1951

A.C.C. No. 5464
 Cancelling A.C.C. No. 5424
 Tariff or Schedule No. E-38
 Revision No. 48
 Effective: July 1, 2001

AGRICULTURAL IRRIGATION SERVICE

AVAILABILITY

In Maricopa and Pinal Counties, in Yuma and its environs, in Yavapai County south of the south boundary of T9N and west of the west boundary of R2E of the G&SPB&M, and in La Paz County except for those areas where Company's total supply of power is purchased, at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service required for irrigation pumping when such service is supplied at one point of delivery and measured through one meter.

Not applicable to pumping of water for sale or distribution for non-agricultural purposes. The term "agricultural" is restricted to irrigation for the purpose of growing commercial crops, and it is not intended to include the watering of lawns, parks, golf courses or other similar uses of water.

Applicable only to those customers being served on Company's Rate Schedule E-38 prior to December 6, 1991.

Not applicable to breakdown, standby, supplementary, or resale service.

TYPE OF SERVICE

Three phase, 60 Hertz, at one standard voltage (12,500, 2400, 480 or 240 volts as may be selected by customer subject to availability at the premises). Measurement of service is at secondary voltage.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

May-Oct. Billing Cycles (Summer)	\$15.00 0.45 0.07123 0.05862	Basic Service Charge, plus per each kW, plus per kWh first 275 kWh per kW per kWh all additional kWh
Nov.-Apr. Billing Cycles (Winter)	\$15.00 0.45 0.05862	Basic Service Charge, plus for each kW, plus per kWh for all kWh

TRANSFORMER DISCOUNT

On the first 275 kWh per kW, when Customer owns the transformers and structures, as follows:
 \$0.00311 per kWh on the first 55,000 kWh
 0.00103 per kWh on all additional kWh

TIME OF WEEK PROVISIONS

When Customer's measured kWh during the specified control period is:

(1)	2 kWh per kW or less	The base revenue will be adjusted by: (\$ 0.00681) per kWh for all kWh
(2)	Greater than 2 kWh per kW but less than or equal to 8 kWh per kW	\$ 0.000000 per kWh for all kWh
(3)	Greater than 8 kWh per kW	+\$ 0.00341 per kWh for all kWh

A. RATE (Continued)

AVAILABILITY

Only available to those customers who have signed the Electric Supply Agreement regarding these provisions. The type of equipment required is nonstandard and therefore availability is limited. Additionally, the amount of equipment required is unknown. Consequently, Company cannot guarantee installation of the equipment required within any specific time.

CONTROL PERIOD

The control period will be a period from 9 a.m. to 10 p.m. for one assigned day of week, Monday through Friday, as specified by Company in the Electric Supply Agreement.

DETERMINATION OF KW DEMAND

The average kW supplied during the 15-minute period of maximum use during the month, as determined from readings of the Company's meter, or at Company's option, by test.

- B. MINIMUM \$15.00 per month; however, in no event shall the total charges for the 12 months ending with the current month be less than \$528.96.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

FROZEN

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: April 1, 1988

A.C.C. No. 5465
 Cancelling A.C.C. No. 5425
 Tariff or Schedule No. E-38-8T
 Revision No. 10
 Effective: July 1, 2001

AGRICULTURAL IRRIGATION SERVICE
TIME OF USE

AVAILABILITY

In Maricopa and Pinal Counties, in Yuma and its environs, in Yavapai County south of the south boundary of T9N and west of the west boundary of R2E of the G&SRB&M, and in La Paz County except for those areas where Company's total supply of power is purchased, at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of fifty (50) customers, selected at Company's option, may be served under this rate schedule.

APPLICATION

To electric service required for irrigation pumping when such service is supplied at one point of delivery and measured through one meter.

Not applicable to pumping of water for sale or distribution for non-agricultural purposes for delivery points initially served by Company after November 1, 1983.

Applicable only to those customers being served on Company's Rate Schedule E-38-8T prior to December 6, 1991.

Not applicable to breakdown, standby, supplementary, or resale service.

Rate selection is subject to Sections numbered 3.2 and 3.3 of Schedule No. 1 of the Company's "Terms and Conditions," except that this rate schedule would become effective from the next meter reading after Company has installed the required timed kilowatt-hour meter.

TYPE OF SERVICE

Three phase, 60 Hertz, at one standard voltage (12,500, 2400, 480 or 240 volts as may be selected by customer subject to availability at the premises). Measurement of service is at secondary voltage.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

\$15.00	Basic Service Charge, plus
8.95	per kW established during on-peak hours*
0.45	per kW established during off-peak hours
0.07123	per kWh measured during on-peak hours*
0.04672	per kWh measured during off-peak hours

*On-peak is a continuous 8 hour period between 9 a.m. and 10 p.m. as specified by the Company in the Electric Supply Agreement with the customer.

TRANSFORMER DISCOUNT

When customer owns the transformers and structures:
 \$0.00103 per kWh on all kWh

DETERMINATION OF KW DEMAND

The average kW supplied during the 15-minute period of maximum use during the month, as determined from readings from the Company's meter, or at Company's option, by test.

B. MINIMUM

\$15.00 per month; however, in no event shall the total charges for the 12 months ending with the current month be less than \$528.96.

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

HOURS

Mountain Standard Time shall be used in the application of this rate schedule. The total time for the on-peak period is subject to a plus or minus 15-minute variation.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

FROZEN

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: August 19, 1967

A.C.C. No. 5466
 Cancelling A.C.C. No. 5426
 Tariff or Schedule No. E-40
 Revision No. 34
 Effective: July 1, 2001

AGRICULTURAL WIND MACHINE SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service required for the operation of wind machine for frost control during the months of November thru March only when such service is supplied at one point of delivery and measured through one meter.

Not applicable to temporary, breakdown, standby, supplementary, or resale service.

TYPE OF SERVICE

Three phase, 60 Hertz, at one standard voltage (120/240; 480; 7200/12,000 volts as may be selected by customer subject to availability at the premises).

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

Service Charge \$ per H.P.* Per Year	Plus	Energy Charge \$ Per KWH
\$12.23		0.06452

*Name Plate rating unless tests indicate the motor is overloaded by more than 15%.

B. MINIMUM

The annual minimum charge shall be the Service Charge.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

1. Payment for service under this rate schedule shall be at the customer's option, (a) monthly billing, (b) semiannual billing for three (3) months in advance and three (3) months actual use or, (c) annual billing for six (6) months in advance and six (6) months actual use. After initial selection of payment by the customer no change may be made during the term of the agreement.
2. Thermostatically controlled wind machines with automatic reclosing switches must be equipped at the customer's expense with suitable time-delay devices, as hereinafter specified, to permit the required adjustment of the time of reclosure after interruption of service.

(CONTINUED ON REVERSE SIDE)

SPECIAL PROVISIONS (Continued)

A time-delay device is a relay or other type of equipment that can be preset to delay with various time intervals the reclosing of the automatic switches in order to stagger the reconnection of the load on the utility's system. Such device, must be constructed so as to effectively permit a variable overall time interval of not less than five minutes with adjustable time increments of not greater than ten seconds. The particular setting to be utilized for each separate installation is to be determined by the utility from time to time in accordance with its operating requirements.

CONTRACT PERIOD

Initial contract period shall be for five (5) years. Contract renewal shall be for three (3) years.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: November 5, 1962

A.C.C. No. 5467
 Canceling A.C.C. No. 5427
 Tariff or Schedule No. E-47
 Revision No. 40
 Effective: July 1, 2001

DUSK TO DAWN LIGHTING SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To outdoor lighting which operates only from dusk to dawn where service can be supplied from the existing secondary overhead facilities of the Company.

The incandescent lighting charges (Part III A&B) are applicable and available only to those customers being served and those installations in service on April 21, 1983. The mercury vapor lighting charges (Part III A&B) are applicable and available only to those customers being served and those installations in service on June 1, 1987.

MONTHLY BILLI. SODIUM VAPOR LIGHTINGA. Company Owned Facilities where Company installs, owns, operates and maintains lighting facilities.

1.	5,800 lumen, 70 watt, high pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	\$9.97
2.	8,000 lumen, 55 watt, low pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	10.39
3.	9,500 lumen, 100 watt, high pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	11.32
4.	9,500 lumen, 100 watt, high pressure sodium lamp and architectural luminaire	9.98
5.	13,500 lumen, 90 watt, low pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	13.43
6.	16,000 lumen, 150 watt, high pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	13.41
7.	22,500 lumen, 135 watt, low pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	15.82
8.	30,000 lumen, 250 watt, high pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	17.36
9.	33,000 lumen, 180 watt, low pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	18.05
10.	50,000 lumen, 400 watt, high pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	28.39
11.	30,000 lumen, 250 watt, high pressure sodium lamp and flood luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	31.03
12.	50,000 lumen, 400 watt, high pressure sodium lamp and flood luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	32.51

(CONTINUED ON REVERSE SIDE)

I. SODIUM VAPOR LIGHTING (Continued)

13.	30,000 lumen, 250 watt, high pressure sodium lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	34.38
14.	50,000 lumen, 400 watt, high pressure sodium lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	36.03

B. Customer Owned Facilities where customer installs and maintains lighting facilities and Company approves installation, operates and replaces lamps.

1.	5,800 lumen, 70 watt, high pressure sodium lamp and luminaire.	\$ 6.08
2.	8,000 lumen, 55 watt, low pressure sodium lamp and luminaire.	4.67
3.	9,500 lumen, 100 watt, high pressure sodium lamp and luminaire.	6.54
4.	9,500 lumen, 100 watt, high pressure sodium lamp and architectural luminaire.	6.27
5.	13,500 lumen, 90 watt, low pressure sodium lamp and luminaire.	5.89
6.	16,000 lumen, 150 watt, high pressure sodium lamp and luminaire.	6.19
7.	22,500 lumen, 135 watt, low pressure sodium lamp and luminaire.	7.55
8.	30,000 lumen, 250 watt, high pressure sodium lamp and luminaire.	11.64
9.	33,000 lumen, 180 watt, low pressure sodium lamp and luminaire.	9.08
10.	50,000 lumen, 400 watt, high pressure sodium lamp and luminaire.	13.88

II. METAL HALIDE LIGHTING

A. Company Owned Facilities

1.	13,000 lumen, 175 watt, metal halide lamp and architectural luminaire mounted on a bracket of 2 feet or less.	\$ 13.26
2.	21,000 lumen, 250 watt, metal halide lamp and architectural luminaire mounted on a bracket of 8 feet or less.	15.43
3.	36,000 lumen, 400 watt, metal halide lamp and architectural luminaire mounted on a bracket of 8 feet or less.	16.59
4.	21,000 lumen, 250 watt, metal halide lamp and flood light luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch steel pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	31.98
5.	36,000 lumen, 400 watt, metal halide lamp and flood light luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch steel pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	33.03
6.	21,000 lumen, 250 watt, metal halide lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	35.35
7.	36,000 lumen, 400 watt, metal halide lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	36.52

B. Customer Owned Facilities

1.	13,000 lumen, 175 watt, metal halide lamp and luminaire .	\$ 10.00
2.	21,000 lumen, 250 watt, metal halide lamp and luminaire.	10.76
3.	36,000 lumen, 400 watt, metal halide lamp and luminaire.	11.87

III. INCANDESCENT AND MERCURY VAPOR LIGHTING

A. Company Owned Facilities

1.	4,000 lumen incandescent lamp and luminaire mounted on a bracket of 4 feet or less on existing pole	\$10.39
2.	7,000 lumen, 175 watt, mercury vapor lamp and luminaire mounted on a bracket of 6 feet or less on existing pole	10.49
3.	20,000 lumen, 400 watt, mercury vapor lamp and luminaire mounted on a bracket of 8 feet or less on existing pole	14.57

B. Customer Owned Facilities

1.	4,000 lumen incandescent lamp and luminaire	\$ 3.84
2.	7,000 lumen, 175 watt, mercury vapor lamp & luminaire	5.05
3.	20,000 lumen, 400 watt, mercury vapor lamp & luminaire	9.61

IV. CHARGES FOR OPTIONAL EQUIPMENT (Company Owned Facilities)

1.	Brackets over 8 feet and up to 16 feet in length (subject to availability)	\$ 1.23
2.	Overhead secondary line of 100 feet in length or underground if customer provides earthwork and conduit	1.23

3.	One wood pole of not over 30 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit (excludes underground to overhead transition)	4.89
----	---	------

4.	Underground secondary line of 100 feet in length if company provides earthwork and conduit	4.89
----	--	------

5.	One wood pole of not over 35 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit (excludes underground to overhead transition)	6.16
----	---	------

6.	One wood pole of not over 40 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit (excludes underground to overhead transition)	7.81
----	---	------

7.	One metal or fiberglass pole of not over 30 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit	7.38
----	--	------

8.	One square metal pole 23 feet in length and up to 100 feet of underground secondary line if customer provides earthwork and conduit	8.30
----	---	------

9.	One square metal pole 34 feet in length and up to 100 feet of underground secondary line if customer provides earthwork and conduit	11.13
----	---	-------

10.	One square metal pole 38 feet in length and up to 100 feet of underground secondary line if customer provides earthwork and conduit	20.16
-----	---	-------

IV. CHARGES FOR OPTIONAL EQUIPMENT (Company Owned Facilities) (continued)

11.	One 38-1/2 foot metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit	9.89
12.	One 40-1/2 foot self-supporting/dead-end metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit	22.85
13.	Additional maintenance charge for high pressure sodium lamp and luminaire, mounted on a bracket of 2 feet or less, that is not accessible by bucket-truck.	1.79
14.	Additional maintenance charge for metal halide lamp and luminaire, mounted on a bracket of 2 feet or less, that is not accessible by bucket-truck	3.58
15.	OFF-ON switch. Customer may request a control switch to be installed which will be at his expense and its use not affect the billing under this rate.	

Anchor Based Poles

1.	Anchor base, if provided and installed by Company. This charge is in addition to the following pole charges:	8.76
2.	One anchor based metal pole 28 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	18.09
3.	One anchor based square metal pole 27 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	20.33
4.	One anchor based square metal pole 31 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	22.27
5.	One anchor based square metal pole 37 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	25.08

- NOTES:
1. 20,000 lumen lights should be mounted on 35 foot wood poles or 38-1/2 or 40-1/2 foot metal poles.
 2. 30,000 or 50,000 lumen lights should be mounted on 38-1/2 or 40-1/2 foot metal poles or on wood poles sufficient to provide a minimum luminaire mounting height of 34-1/2 feet.
 3. The architectural luminaire cannot be mounted on any pole except the square metal pole.

V. ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

1. The 4,000 and 7,000 lumen lamps use an open glass diffuser. All units are controlled by a photoelectric switch.
2. The Customer is not authorized to make connections to the lighting circuits or to make attachments.
3. Should a Customer request a relocation of a dusk-to-dawn lighting installation, the costs of such relocation shall be paid by the Customer.
4. The Customer is expected to notify the Company when lamp outages occur, or when photoelectric switch fails to operate.
5. The Company will use diligence in maintaining service; however, monthly bills will not be reduced because of lamp outages.
6. The Customer may cancel a lighting service agreement by payment of the monthly bill including the applicable tax adjustment, multiplied by the number of remaining months of the initial agreement, or the calculated installation and removal costs for the extension, whichever is lower.

SPECIAL FACILITIES

When Customer requests special (non-standard) Dusk-to-Dawn lighting facilities not provided by Company as standard, Company will use its best efforts to install, operate and maintain such facilities.

If the Company installs such special facilities, there will be an additional charge equal to 1-1/2 percent per month of the excess cost to the Company over standard facilities at time of installation and the maintenance of such facilities will be subject to time and ability to purchase replacement parts at reasonably equivalent prices of standard equipment. When the Company is currently using more than one standard for a particular type of installation, the excess cost to the Company shall be determined from the standard equipment with the highest cost within the range of standards for that particular type of installation.

The Customer may elect to substitute a one-time contribution in aid of construction equal to the excess costs in lieu of the additional charge.

The Company may decline to continue maintenance of special facilities due to inability to purchase replacement parts at reasonably equivalent prices of standard equipment. In this event, the Customer may elect to supply the required parts at no cost to the Company and the Company will then continue to maintain such facilities.

CONTRACT PERIOD

All Dusk-to-Dawn lighting installations will require a written agreement for service for three (3) years or longer at Company's option.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: March 16, 1989

A.C.C. No. 5468
 Cancelling A.C.C. No. 5428
 Tariff or Schedule No. E-51
 Revision No. 12
 Effective: July 1, 2001

OPTIONAL ELECTRIC SERVICE FOR QUALIFIED COGENERATION
 AND SMALL POWER PRODUCTION FACILITIES OVER 100 KW

AVAILABILITY

In all territory served by 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

Applicable only to qualified cogeneration and small power production facilities greater than 100 kW that meet qualifying status as defined under 18 CFR, Chapter 1, Part 292, Subpart B of the Federal Energy Regulatory Commission regulations and pursuant to the Arizona Corporation Commission's Decision No. 52345. The facility's generator(s) and load must be located at the same premise.

Applicable only to those customers being served on the Company's Rate Schedule E-51 prior to July 1, 1996.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by Customer subject to availability at Customer's premise.

MONTHLY BILL

The monthly bill shall be the sum of the amounts computed under A., B., C., and D. below, including the applicable Adjustments:

A. Basic Service

\$8.00 per month Cogeneration Basic Service Charge, plus
 \$24.00 per month per each generator meter

B. Supplemental Service

In accordance with the rate levels contained in General Service Rate Schedule E-32 or E-34, whichever is applicable based upon Customer's maximum Supplemental demand.

C. Standby Service

1. Monthly Reservation Charge of \$2.05 per kW of Contract Standby Capacity, to be adjusted as specified on page 2, plus
2. Standby Energy Charge:

June - October	\$0.04520 per kWh on-peak
Billing Cycles (Summer)	\$0.02104 per kWh off-peak
November - May	\$0.03212 per kWh on-peak
Billing Cycles (Winter)	\$0.02104 per kWh off-peak

D. Maintenance Service

\$0.02104 per kWh of maintenance energy

(CONTINUED ON REVERSE SIDE)

DETERMINATION OF MONTHLY RESERVATION CHARGE

For initial service, the Monthly Reservation Charge shall be: the product of [\$20.41/kW multiplied by a Forced Outage Rate (FOR) of 10%] multiplied by the customer's applicable Contract Standby Capacity. At the end of the first 5 summer billing months, the initial FOR of 10% will be replaced by the actual FOR experienced by the cogeneration system during on-peak summer hours. Customer's summer on-peak FOR will then be re-evaluated annually each November for the preceding 12-month period to be used in the calculation of Customer's Reservation Charge for the current and succeeding 11 months.

DETERMINATION OF SUPPLEMENTAL SERVICE

Supplemental service shall be defined as demand and energy contracted by Customer to augment the power and energy generated by Customer's generation facility.

Supplemental demand shall be equal to the maximum 15 minute integrated kW demand as calculated for every 15-minute interval as the demand of the Supply meter plus the demand of the Generator meter(s) less the Contract Standby Capacity of Customer's cogenerator(s).

Supplemental energy shall be equal to all energy supplied to Customer as determined from readings of the Supply meter, less any energy determined to be either Standby or Maintenance energy as defined in this Schedule.

DETERMINATION OF STANDBY ENERGY

Standby Energy shall be defined to be electric energy supplied by Company to replace power ordinarily generated by Customer's generation facility during unscheduled full and partial outages of said facility.

When the sum of the energy measured on both the Supply and Generator(s) Meters is greater than the maximum energy output of the generator(s) at Contract Standby Capacity, the Standby Energy shall be equal to the summation of the differences between the maximum energy output of the generator(s) at Contract Standby Capacity and the energy measured on the Generator Meter(s) for every 15-minute interval of the month, except when maintenance power is being utilized or those intervals where energy measured on the Supply Meter is zero. When the sum of the energy measured on both the Supply and Generator(s) Meters is less than the maximum energy output of the generator(s) at Contract Standby Capacity, then the Standby energy shall be that energy measured on the Supply Meter.

All Standby Energy exceeding 250 kWh/kW of Contract Standby Capacity in a monthly billing period will be billed at the otherwise applicable rate for Supplemental Service.

DETERMINATION OF MAINTENANCE ENERGY

Maintenance energy shall be defined as energy supplied to Customer up to a maximum of the Contract Standby Capacity times the hours in the Scheduled Maintenance period for that energy used only during the Scheduled Maintenance period. Maintenance periods shall not exceed 30 days per cogeneration unit during any consecutive 12-month period and must be scheduled during the winter billing months. Customer shall supply Company with Maintenance Schedule for a 12-month period at least 60 days prior to the beginning of that period, which shall be subject to Company approval. Energy used in excess of a 30-day period or unauthorized maintenance energy shall be billed on either the Standby or Supplemental Rate as specified in this Schedule.

METERING

The Company will install a Supply Meter at its point of delivery to Customer and a Generator Meter(s) at the point(s) of output from each of Customer's generators. All meters will record integrated demand and energy on the same 15-minute interval basis as specified by Company.

DEFINITIONS

1. Contract Standby Capacity - the measured kW output of each cogeneration unit at time of start-up test, which will be re-evaluated annually each November and specified in Customer's Agreement for Service, however, not to exceed Customer's actual total load.
2. Forced Outage Rate - the ratio of the standby energy used during the Customer's summer on-peak hours to the product of the Contract Standby Capacity multiplied by the total customer's summer on-peak hours.
3. Generator Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy output of each of Customer's cogeneration units.
4. Supply Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy supplied by Company to Customer.

5. Time Periods - On-Peak Period: 11 a.m. - 9 p.m. Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

TERMINATION PROVISION

Should Customer cease to operate his cogeneration unit(s) for 60 consecutive days during periods other than planned scheduled maintenance periods, Company reserves the option to terminate the Agreement for service under this rate schedule with Customer.

CONTRACT PERIOD

As provided in Company's Agreement for Service.

TERMS AND CONDITIONS

Customer must enter into an Agreement for the Interconnection and The Sale of Power with Company. Customer will not have the option to sell power and energy to Company under this tariff. Should Customer desire to do so, Customer must terminate service under this Rate Schedule and enter into another Special Agreement.

FROZEN

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: July 1, 1996

A.C.C. No. 5469
 Cancelling A.C.C. No. 5429
 Tariff or Schedule No. E-52
 Revision No. 5
 Effective Date: July 1, 2001

ELECTRIC SERVICE FOR PARTIAL REQUIREMENTS SERVICE
OF LESS THAN 3,000 KW

I. AVAILABILITY

In all territory served by 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.

II. APPLICATION

Applicable to any non-residential customer requiring Partial Requirements services, Supplemental Power, Standby Power or Maintenance Energy with an aggregate Partial Requirements service load of less than 3,000 kW. Customer may elect to take any of the Partial Requirements services offered hereunder, Supplemental Power, Standby Power and Maintenance Power independently of one another or in combination with one another as required.

Each customer shall be allowed to designate the specific periods and hours within a month for which utilization of Standby Service is required (see Designated Standby Service Hours).

III. TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by Customer subject to availability at Customer's premise.

IV. MONTHLY BILL

The monthly bill shall be the sum of the amounts computed under A., B., C., and D. below, including the applicable Adjustments:

A. Basic Service

\$ 106.79 per month Basic Service Charge, plus
 \$ 17.06 per month for each Generator Meter

B. Supplemental Service

In accordance with the rate levels contained in General Service Rate Schedule E-32 excluding the monthly Basic Service Charge.

C. Standby Service

The monthly charge for Standby Service shall be the sum of the amounts computed in accordance with sections 1 and 2 below:

1. Monthly Reservation Charge of either a, b or c:

a. \$5.17 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor of 90% or greater during the billing month.

b. \$6.79 per kW of contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 80% - 89.9% during the billing month.

c. Standby Service customers whose alternate supply resource(s) achieved an aggregate capacity factor of less than 80% during a billing month shall be assessed the same charge as set forth in Section VIII of this rate schedule.

2. Standby Energy Charge:

June - October	\$0.03054 per kWh on-peak
Billing Cycles (Summer)	\$0.01623 per kWh off-peak
November - May	\$0.02616 per kWh on-peak
Billing Cycles (Winter)	\$0.01038 per kWh off-peak

(CONTINUED ON NEXT PAGE)

The charges for Standby Service contained in Section C herein reflect the Company's costs to serve Standby Service loads. For applications where the charges for Standby Service stated herein are not competitive with customer installed standby resource alternatives, the Company may negotiate alternate Monthly Reservation Charges from those contained in this rate schedule; however, the maximum discount allowed shall not be greater than fifty percent (50%) of the Reservation Charges stated herein; however, such discount shall not result in a reservation charge lower than the Company's long run capacity costs associated with this service. No changes to the Standby Energy Charge rate component shall be allowed.

To be eligible for negotiated Monthly Reservation Charges different than those contained herein, the customer must demonstrate to the Company's satisfaction and provide conclusive documentation (e.g., engineering studies, analysis, etc.) that the customer's on-site self-generation resource(s) would be a lower cost option over the life of the equipment than had the customer subscribed to Standby Service from the Company. Notwithstanding the potential competitiveness of the customer's self generation standby facilities, the Company in its sole opinion, shall have the option of not offering any discounts to the otherwise applicable Reservation Charge.

D. Maintenance Service

\$0.02616 per kWh on-peak
\$0.01038 per kWh off-peak

E. Energy Rates

The energy rates in Sections C and D above are based on the Company's estimated marginal costs and will be updated annually to reflect changes in the Company's fuel costs.

V. DETERMINATION OF SUPPLEMENTAL SERVICE

Supplemental service shall be defined as demand and energy contracted by Customer to augment the power and energy generated by Customer's generation facility.

Supplemental demand shall be the highest 15-minute interval during the billing month which shall equal the (a) 15-minute integrated kW demand calculated for every 15-minute interval as recorded on the Supply Meter, plus (b) the simultaneous 15 minute integrated kW demand as recorded on the Generator Meter(s), less (c) the aggregate Contract Standby Capacity of all the customer's generating units; however, the result shall never be less than zero (0) for purposes of determining Supplemental Demand. If Company authorized scheduled maintenance was being performed on any of the customer's generators at the time of the highest 15 minute interval during the billing month, the amount of demand recorded on the Supply Meter shall be reduced by the applicable Maintenance Power Level (as determined in Section VII hereof) of the generator unit(s) undergoing authorized scheduled maintenance for purposes of calculating supplemental demand used for billing.

Customer's maximum Supplemental Service kW requirements shall not exceed that established in the Electric Supply Agreement.

Supplemental energy shall be equal to all energy supplied to Customer as determined from readings of the Supply Meter, less any energy determined to be either Standby or Maintenance energy as defined in this Schedule.

VI. DETERMINATION OF STANDBY ENERGY

Standby Energy shall be defined to be electric energy supplied by Company to replace power ordinarily generated by Customer's generation facility during unscheduled full and partial outages of said facility.

When the sum of the energy measured on both the Supply and Generator(s) Meters during simultaneous periods is greater than the maximum energy output of the generator(s) at Contract Standby Capacity, the Standby Energy shall be equal to the summation of the differences between the maximum energy output of the generator(s) at Contract Standby Capacity and the energy measured on the Generator Meter(s) for every 15-minute interval of the month, except when maintenance power is being utilized or those intervals where energy measured on the Supply Meter is zero. When the sum of the energy measured on both the Supply and Generator(s) Meter is equal to or less than the maximum energy output of the generator(s) at Contract Standby Capacity, then the Standby energy shall be that energy measured on the Supply Meter.

VII. DETERMINATION OF MAINTENANCE ENERGY

Maintenance energy shall be defined as energy supplied to Customer to replace energy normally supplied by the Customer's generator(s) during an authorized Scheduled Maintenance period.

Maintenance periods shall not exceed 30 days per cogeneration unit during any consecutive 12-month period and must be scheduled during the non-Summer billing months. Customer shall provide Company with its planned maintenance schedule 12 months in advance of any planned maintenance in order for the Company to coordinate customer's scheduled maintenance with that of the Company. Upon review, Company shall either approve customer's planned maintenance schedule or notify customer of alternate acceptable periods. Customer, in turn, shall notify the Company of an acceptable alternate maintenance period(s), and shall also confirm with the Company its intention to perform its planned maintenance 45 days prior to the actual commencement date of the planned maintenance period.

Any energy used in excess of a 30-day period or unauthorized maintenance energy shall be billed on either the Standby or Supplemental Rate as specified in this Schedule.

Maintenance energy, during a Company authorized period of scheduled maintenance to a customer's generation unit(s), shall be determined as follows:

Maintenance Power Level = (Contract Standby Capacity) X (Generating Unit(s) Capacity Factor for the most recent 12 months)

The maintenance power level as determined by the above formula shall not exceed any actual 15 minute interval of integrated kW demand as recorded on the supply meter.

If customer has less than 12 months of billing history on Standby Service, use the capacity factor demonstrated to date; however, not less than one full month.

Maintenance Energy = (Maintenance Power Level) X (hours of maintenance authorized by Company during billing month)

VIII. CAPACITY FACTOR STANDARDS

Customer's generating unit(s) must maintain a Capacity Factor of no less than 75% over a continuous rolling 18 month period to remain eligible to receive Standby Service under this rate schedule. The calculation of the Capacity Factor is designed so that the customer shall not be subject to this Capacity Factor Standard provision for any purpose other than substandard operational performance of the customer's generating unit(s) recognizing that the customer's load profile may not require the full output capability of such generation unit(s). If the Capacity Factor falls below 75%, in lieu of the otherwise applicable Reservation Charge for Standby Service, the customer shall be assessed a monthly Reservation Charge the greater of:

1. \$19.38 per kW/month X 2/3 X Contract Standby Capacity; or
2. \$19.38 per kW/month X Maximum Standby Capacity
(If customer's system is directly interconnected with the Company's bulk transmission system, the applicable Reservation Charge shall be \$14.84 per kW per month.)

Maximum Standby Capacity is intended to represent the maximum 15-minute interval of Standby Power provided the customer by the Company during the billing month. Maximum Standby Capacity shall equal the highest 15-minute interval during the billing month of the following calculation:

$$MSC = \Sigma CSC - \text{Maint.}$$

Where:

MSC = Maximum 15-minute interval during the billing month of Standby Power (kW) being supplied by Company.

Σ CSC = The aggregate Contract Standby Capacity of all the customer's self-generation units.

Maint = The simultaneous 15-minute interval of any Maintenance Power (kW) being supplied to customer by the Company.

IX. METERING

The Company will install a Supply Meter at its point of delivery to Customer and a Generator Meter(s) at the point(s) of output from each of Customer's generators. All meters will record integrated demand and energy on the same 15-minute interval basis as specified by Company.

X. DEFINITIONS

1. Contract Standby Capacity - for each specific customer generating unit for which the Company is providing Standby Service, Contract Standby Capacity shall be the greater of: a) the measured kW output of each customer self-generation unit at time of start-up test, or b) the highest 15 minute measured kW output of each generating unit, however, not to exceed Customer's actual total load.
2. Generator Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy output of each cogeneration unit.
3. Designated Standby Service Hours - Customers requiring Standby Service for less than the total hours in a billing month shall be allowed to designate those periods and hours of a month when Standby Service is required. These Designated Standby Service Hours shall represent those hours within a billing month during which the customer is authorized to utilize Standby Service. Use during any period or hours other than Designated Standby Service Hours shall represent an Unauthorized Use of Standby Service subject to certain special provisions for determining the appropriate Capacity Factor value during billing periods when unauthorized Standby Service was utilized. Such hours shall be specified in whole hour intervals beginning on an hour for each designated day of the week. Designated Standby Service Hours shall never total less than 280 hours a billing month.

(CONTINUED ON NEXT PAGE)

4. Capacity Factor - for purposes of this rate schedule, capacity factor shall mean the capacity factor of the customer's generating unit(s) and shall not reflect any period of time during a billing month that Company authorized Maintenance Power was being utilized. The Capacity factor shall be calculated in accordance with the following formula:

$$\text{Capacity Factor} = \frac{\text{Actual customer generated kWh's during the billing month}}{A}$$

For purposes of use in this rate schedule, the value of the capacity factor calculation shall never exceed 100%.

Where:

A = The lesser of: a) [(Contract Standby Capacity) X (MH)]; or
b) CTL

MH = The number of Designated Standby Service Hours in the billing month, exclusive of any hours during the billing month that customer's unit(s) were non-operational during Company authorized scheduled maintenance, for which the customer has contracted for Standby Service (but not less than 280 hours per billing month).

In the event the customer utilizes Standby Service in any period other than during Designated Standby Service Hours, MH shall be represented as the actual number of hours in the billing month (exclusive of any hours during which the customer was receiving Company authorized scheduled Maintenance Energy).

Furthermore, in the event there are more than two (2) instances in any 12 month rolling period of Unauthorized Use of Standby Service, MH shall be represented as the actual number of hours in the billing month (exclusive of any hours during which the customer was receiving Company authorized scheduled Maintenance Energy) for the month during which the third breach of service occurred, and for the next three months thereafter. At the end of any three month breach period, a new twelve (12) month rolling period shall commence for determining the number of instances of Unauthorized Use.

CTL = Customer's maximum total load during the billing month during the Designated Standby Service Hours for which the Customer has contracted for Standby Service (but not less than 280 hours per month).

CTL shall represent the customer's maximum total load during the hours in the billing month for which use of Standby Service has been authorized as set forth in the definition of Designated Standby Service Hours. CTL shall be calculated by first adding the maximum simultaneous 15-minute kW peak periods as recorded on the Supply Meter and Generator Meter(s) during authorized periods of Standby Service the sum of which is then multiplied by MH.

In the event the customer utilizes Standby Service during any period of a billing month other than those authorized, CTL shall represent the customer's maximum total (peak demand) load during the billing month calculated as the sum of the maximum simultaneous 15-minute kW peak period during the billing period recorded on the Supply Meter and the Generator Meter(s) during all hours of the billing month. CTL shall be similarly calculated for any other months during which the provision for breach of service explained in the definition of MH above is being assessed.

CTL shall only be used for calculating Capacity Factor in those months where the customer's maximum kW load is less than total Contract Standby Capacity.

4. Supply Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy supplied by Company to Customer.
5. Time Periods - On-Peak Period: 9 a.m. - 9 p.m. Monday through Friday
Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

XI ADJUSTMENTS

The applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

XII. TERMINATION PROVISION

Should Customer cease to operate his cogeneration unit(s) for 60 consecutive days during periods other than planned scheduled maintenance periods, Company reserves the option to terminate the Agreement for service under this rate schedule with Customer.

XIII. CONTRACT PERIOD

As provided in the Electric Supply Agreement between Company and Customer.

XIV. TERMS AND CONDITIONS

Customer must enter into an Agreement for the Interconnection and The Sale of Power with Company and an Electric Supply Agreement which shall establish all pertinent details related to interconnection and other required service standards. Customer will not have the option to sell power and energy to Company under this tariff. Should Customer desire to do so, Customer would be required to enter into a new Service Agreement which would set forth the applicable purchase rate in addition terms and conditions for interconnection and for the sale of power to the Company.

Customer will be required to contract for adequate standby power to cover the total output of all the customer's generators unless adequate facilities have been installed, to the satisfaction of APS, that isolate portions of the customer's load from APS' system so that APS will in no event be providing standby service in excess of Contracted Standby Capacity.

XV. CHANGE IN DESIGNATED STANDBY SERVICE HOURS

Customers shall be allowed no more than one (1) change in their Designated Standby Service Hours during any eighteen (18) month time period. In no event shall the total of Designated Standby Service Hours during a month fall below 280 hours.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: July 1, 1996

A.C.C. No. 5470
 Cancelling A.C.C. No. 5430
 Tariff or Schedule No. E-55
 Revision No. 5
 Effective Date: July 1, 2001

ELECTRIC SERVICE FOR PARTIAL REQUIREMENTS SERVICE
3,000 KW OR GREATER

I. AVAILABILITY

In all territory served by 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.

II. APPLICATION

Applicable to any customer requiring Partial Requirements services, Supplemental Power, Standby Power or Maintenance Energy with an aggregate Partial Requirements service load of no less than 3,000 kW. Customer may elect to take any of the Partial Requirements services offered hereunder (Supplemental Power, Standby Power and Maintenance Power) independently of one another or in combination with one another as required.

Customers having Standby Service requirements not exceeding 2,999 kW shall be allowed to designate specific periods and hours within a month for which utilization of Standby Service is required (see Designated Standby Service Hours).

III. TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by Customer subject to availability at Customer's premise.

IV. MONTHLY BILL

The monthly bill shall be the sum of the amounts computed under A., B., C., and D. below, including the applicable Adjustments:

A. Basic Service

1. a) For applications no greater than 15,000 kW:

\$ 1,671.39 per month Basic Service Charge; plus

- b) For applications greater than 15,000 kW:

The monthly Basic Service Charge shall be \$1,671.39 plus an applicable adder for recovery of non-standard metering costs and related O&M expenses; plus

2. \$ 62.51 per month for each Generator Meter

B. Supplemental Service

In accordance with the rate levels contained in General Service Rate Schedule E-32, excluding the monthly Basic Service Charge (or E-34 if Supplemental Power requirements are 3,000 kW or more).

C. Standby Service

The monthly charge for Standby Service shall be the sum of the amounts computed in accordance with sections 1, 2 and 3 below:

1. For customers taking service at voltage levels of less than 69 kV, a Monthly Reservation Charge of either a, b, c or d:

a. \$ 4.24 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor of 95% or greater during the billing month.

b. \$ 5.18 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 90% - 94.9% during the billing month.

c. \$ 6.82 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 80% - 89.9% during the billing month.

d. Standby Service customers whose alternate supply resource(s) achieved an aggregate capacity factor of less than 80% during a billing month shall be assessed the same charge as set forth in Section VIII.A of this rate schedule.

2. For customers who take service at voltage levels of 69 kV or greater, a Monthly Reservation Charge of either a, b, c or d:
- a. \$ 1.46 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor of 95% or greater during the billing month.
 - b. \$ 2.32 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 90% - 94.9% during the billing month.
 - c. \$ 4.14 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 80% - 89.9% during the billing month.
 - d. Standby Service customers whose alternate supply resource(s) achieved an aggregate capacity factor of less than 80% during a billing month shall be assessed the same charge as set forth in Section VIII.B of this rate schedule.

3. Standby Energy Charge:

June - October	\$0.03063	per kWh on-peak
Billing Cycles (Summer)	\$0.01628	per kWh off-peak
November - May	\$0.02625	per kWh on-peak
Billing Cycles (Winter)	\$0.01041	per kWh off-peak

The charges for Standby Service contained in Section C herein reflect the Company's costs to serve Standby Service loads. For applications where the charges for Standby Service stated herein are not competitive with customer installed standby resource alternatives, the Company may negotiate alternate Monthly Reservation Charges from those contained in this rate schedule; however, the maximum discount allowed shall not be greater than fifty percent (50%) of the Reservation Charges stated herein; however, such discount shall not result in a reservation charge lower than the Company's long run capacity costs associated with this service. No changes to the Standby Energy Charge rate component shall be allowed.

To be eligible for negotiated Monthly Reservation Charges different than those contained herein, the customer must demonstrate to the Company's satisfaction and provide conclusive documentation (e.g., engineering studies, analysis, etc.) that the customer's on-site self-generation resource(s) would be a lower cost option over the life of the equipment than had the customer subscribed to Standby Service from the Company. Notwithstanding the potential competitiveness of the customer's self generation standby facilities, the Company in its sole opinion, shall have the option of not offering any discounts to the otherwise applicable Reservation Charge.

D. Maintenance Service

\$0.02625	per kWh on-peak
\$0.01041	per kWh off-peak

E. Energy Rates

The energy rates in Sections C and D above are based on the Company's estimated marginal costs and will be updated annually to reflect changes in the Company's fuel costs.

V. DETERMINATION OF SUPPLEMENTAL SERVICE

Supplemental service shall be defined as demand and energy contracted by Customer to augment the power and energy generated by Customer's generation facility.

Supplemental demand shall be the highest 15-minute interval during the billing month which shall equal the (a) 15-minute integrated kW demand calculated for every 15-minute interval as recorded on the Supply Meter, plus (b) the simultaneous 15 minute integrated kW demand as recorded on the Generator Meter(s), less (c) the aggregate Contract Standby Capacity of all the customer's generating units; however, the result shall never be less than zero (0) for purposes of determining Supplemental Demand. If Company authorized scheduled maintenance was being performed on any of the customer's generators at the time of the highest 15 minute interval during the billing month, the amount of demand recorded on the Supply Meter shall be reduced by the applicable Maintenance Power Level (as determined in Section VII hereof) of the generator unit(s) undergoing authorized scheduled maintenance for purposes of calculating supplemental demand used for billing.

Customer's maximum Supplemental Service kW requirements shall not exceed that established in the Electric Supply Agreement.

Supplemental energy shall be equal to all energy supplied to Customer as determined from readings of the Supply Meter, less any energy determined to be either Standby or Maintenance energy as defined in this Schedule.

VI. DETERMINATION OF STANDBY ENERGY

Standby Energy shall be defined to be electric energy supplied by Company to replace power ordinarily generated by Customer's generation facility during unscheduled full and partial outages of said facility.

When the sum of the energy measured on both the Supply and Generator(s) Meters during simultaneous periods is greater than the maximum energy output of the generator(s) at Contract Standby Capacity, the Standby Energy shall be equal to the summation of the differences between the maximum energy output of the generator(s) at Contract Standby Capacity and the energy measured on the Generator Meter(s) for every 15-minute interval of the month, except when maintenance power is being utilized or those intervals where energy measured on the Supply Meter is zero. When the sum of the energy measured on both the Supply and Generator(s) Meter is equal to or less than the maximum energy output of the generator(s) at Contract Standby Capacity, then the Standby energy shall be that energy measured on the Supply Meter.

VII. DETERMINATION OF MAINTENANCE ENERGY

Maintenance energy shall be defined as energy supplied to Customer to replace energy normally supplied by the Customer's generator(s) during an authorized Scheduled Maintenance period.

Maintenance periods shall not exceed 30 days per cogeneration unit during any consecutive 12-month period and must be scheduled during the non-Summer billing months. Customer shall provide Company with its planned maintenance schedule 12 months in advance of any planned maintenance in order for the Company to coordinate customer's scheduled maintenance with that of the Company. Upon review, Company shall either approve customer's planned maintenance schedule or notify customer of alternate acceptable periods. Customer, in turn, shall notify the Company of an acceptable alternate maintenance period(s), and shall also confirm with the Company its intention to perform its planned maintenance 45 days prior to the actual commencement date of the planned maintenance period.

Any energy used in excess of a 30-day period or unauthorized maintenance energy shall be billed on either the Standby or Supplemental Rate as specified in this Schedule.

Maintenance energy, during a Company authorized period of scheduled maintenance to a customer's generation unit(s), shall be determined as follows:

Maintenance Power Level = (Contract Standby Capacity) X (Generating Unit(s) Capacity Factor for the most recent 12 months)

The maintenance power level as determined by the above formula shall not exceed any actual 15 minute interval of integrated kW demand as recorded on the supply meter.

If customer has less than 12 months of billing history on Standby Service, use the capacity factor demonstrated to date; however, not less than one full month.

Maintenance Energy = (Maintenance Power Level) X (hours of maintenance authorized by Company during billing month)

VIII. CAPACITY FACTOR STANDARDS

Customer's generating unit(s) must maintain a Capacity Factor of no less than 75% over a continuous rolling 18 month period to remain eligible to receive Standby Service under this rate schedule. The calculation of the Capacity Factor is designed so that the customer shall not be subject to this Capacity Factor Standard provision for any purpose other than substandard operational performance of the customer's generating unit(s) recognizing that the customer's load profile may not require the full output capability of such generation unit(s). If the Capacity Factor falls below 75%, in lieu of the otherwise applicable Reservation Charge for Standby Service, the customer shall be assessed a monthly Reservation Charge the greater of:

- A. For customers taking service at voltage levels of less than 69 kV:
 - 1. \$ 21.44 per kW/month X $\frac{2}{3}$ X Contract Standby Capacity; or
 - 2. \$ 21.44 per kW/month X Maximum Standby Capacity
(If customer's system is directly interconnected with the Company's bulk transmission system, the applicable Reservation Charge shall be \$ 18.19 per kW per month.)
- B. For customers who take service at voltage levels of 69 kV or greater:
 - 1. \$ 19.08 per kW/month X $\frac{2}{3}$ X Contract Standby Capacity; or
 - 2. \$ 19.08 per kW/month X Maximum Standby Capacity
(If customer's system is directly interconnected with the Company's bulk transmission system, the applicable Reservation Charge shall be \$ 18.25 per kW per month.)

Maximum Standby Capacity is the maximum 15-minute interval of Standby Power provided the customer by the Company during the billing month. Maximum Standby Capacity shall equal the highest 15-minute interval during the billing month of the following calculation:

$$MSC = \Sigma CSC - \text{Maint.}$$

Where:

MSC = Maximum 15-minute interval during the billing month of Standby Power (kW) being supplied by Company.

Σ CSC = The aggregate Contract Standby Capacity of all the customer's self-generation units.

Maint = The simultaneous 15-minute interval of any Maintenance Power (kW) being supplied to customer by the Company.

IX. METERING

The Company will install a Supply Meter at its point of delivery to Customer and a Generator Meter(s) at the point(s) of output from each of Customer's generators. All meters will record integrated demand and energy on the same 15-minute interval basis as specified by Company.

X. DEFINITIONS

1. Contract Standby Capacity - for each specific customer generating unit for which the Company is providing Standby Service, Contract Standby Capacity shall be the greater of a) the measured kW output of each customer self-generation unit at time of start-up test, or b) the highest 15 minute measured kW output of each generating unit, however, not to exceed Customer's actual total load.
2. Generator Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy output of each cogeneration unit.
3. Designated Standby Service Hours - Customers requiring Standby Service for less than the total hours in a billing month shall be allowed to designate those periods and hours of a month when Standby Service is required. These Designated Standby Service Hours shall represent those hours within a billing month during which the customer is authorized to utilize Standby Service. Use during any period or hours other than Designated Standby Service Hours shall represent an Unauthorized Use of Standby Service subject to certain special provisions for determining the appropriate Capacity Factor value during billing periods when unauthorized Standby Service was utilized. Such hours shall be specified in whole hour intervals beginning on an hour for each designated day of the week. Designated Standby Service Hours shall never total less than 365 hours a billing month. This provision is applicable only to those customers whose Standby Service requirements are less than 3,000 kW.
4. Capacity Factor - for purposes of this rate schedule, capacity factor shall mean the capacity factor of the customer's generating unit(s) and shall not reflect any period of time during a billing month that Company authorized Maintenance Power was being utilized. The Capacity factor shall be calculated in accordance with the following formula:

$$\text{Capacity Factor} = \frac{\text{Actual customer generated kWh's during the billing month}}{A}$$

For purposes of use in this rate schedule, the value of the capacity factor calculation shall never exceed 100%.

Where:

A = The lesser of: a) [(Contract Standby Capacity) X (MH)]; or
b) CTL

Customers having Standby Service Requirements of 3,000 kW or greater:

MH = Hours in the billing month exclusive of any hours during the billing month that customer's unit(s) were non-operational during Company authorized scheduled maintenance.

CTL = Customer's maximum total load during the billing month as determined by the total of energy generated on customer's generating unit as recorded on the Generator Meter plus all energy provided by Company during the billing month (exclusive of maintenance energy) as recorded on the Supply Meter.

Customers having Standby Service Requirements of less than 3,000 kW:

MH = The number of Designated Standby Service Hours in the billing month, exclusive of any hours during the billing month that customer's unit(s) were non-operational during Company authorized scheduled maintenance, for which the customer has contracted for Standby Service (but not less than 365 hours per billing month). In the event the customer utilizes Standby Service in any period other than during Designated Standby Service Hours, MH shall be represented as the actual number of hours in the billing month (exclusive of any hours during which the customer was receiving Company authorized scheduled Maintenance Energy).

Furthermore, in the event there are more than two (2) instances in any 12 month rolling period of Unauthorized Use of Standby Service, MH shall be represented as the actual number of hours in the billing month (exclusive of any hours during which the customer was receiving Company authorized scheduled Maintenance Energy) for the month during which the third breach of service occurred, and for the next three months thereafter. At the end of any three month period, a new twelve (12) month rolling period shall commence for determining the number of instances of Unauthorized Use.

CTL = Customer's maximum total load during the billing month during the Designated Standby Service Hours for which the Customer has contracted for Standby Service (but not less than 365 hours per month), as determined by the total of energy generated on customer's generating unit as recorded on the Generator Meter plus all energy provided by Company during the billing month (exclusive of maintenance energy) as recorded on the Supply Meter.

CTL shall represent the customer's maximum total load during the hours in the billing month for which use of Standby Service has been authorized as set forth in the definition of Designated Standby Service Hours. CTL shall be calculated by first adding the maximum simultaneous 15-minute kW peak periods as recorded on the Supply Meter and Generator Meter(s) during authorized periods of Standby Service the sum of which is then multiplied by MH.

In the event the customer utilizes Standby Service during any period of a billing month other than those authorized, CTL shall represent the customer's maximum total load (peak demand) during the billing month calculated as the sum of the maximum simultaneous 15-minute kW peak period during the billing period recorded on the Supply Meter and the Generator Meter(s) during all hours of the billing month. CTL shall be similarly calculated for any other months during which the provision for breach of service explained in the definition of MH above is being assessed.

CTL shall only be used for calculating Capacity Factor in those months where the customer's maximum kW load is less than total Contract Standby Capacity.

5. Supply Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy supplied by Company to Customer.
6. Time Periods -
On-Peak Period: 9 a.m. - 9 p.m. Monday through Friday
Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

7. Unauthorized Use - any period or hour of the month that the customer utilized Standby Service other than Designated Standby Service Hours.

XI. ADJUSTMENTS

The applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

XII. TERMINATION PROVISION

Should Customer cease to operate his cogeneration unit(s) for 60 consecutive days during periods other than planned scheduled maintenance periods, Company reserves the option to terminate the Agreement for service under this rate schedule with Customer.

XIII. CONTRACT PERIOD

As provided in the Electric Supply Agreement between Company and Customer.

XIV. TERMS AND CONDITIONS

Customer must enter into an Agreement for the Interconnection and The Sale of Power with Company and an Electric Supply Agreement which shall establish all pertinent details related to interconnection and other required service standards. Customer will not have the option to sell power and energy to Company under this tariff. Should Customer desire to do so, Customer would be required to enter into a new Service Agreement which would set forth the applicable purchase rate in addition terms and conditions for interconnection and for the sale of power to the Company.

Customer will be required to contract for adequate standby power to cover the total output of all the customer's generators unless adequate facilities have been installed, to the satisfaction of APS, that isolate portions of the customer's load from APS' system so that APS will in no event be providing standby service in excess of Contracted Standby Capacity.

XV. CHANGE IN DESIGNATED STANDBY SERVICE HOURS

Customers for which Designated Standby Service Hours is applicable shall be allowed no more than one (1) change in their Designated Standby Service Hours during any eighteen (18) month time period. In no event shall the total of Designated Standby Service Hours during a month fall below 365 hours.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: August 1, 1986

A.C.C. No. 5471
 Cancelling A.C.C. No. 5431
 Tariff or Schedule No. E-58
 Revision No. 41
 Effective: July 1, 2001

STREET LIGHTING SERVICEAVAILABILITY

In those portions of cities, towns and unincorporated communities in which Company does a general retail electric business and where Company has installed a multiple or series street lighting system of adequate capacity for the service to be rendered.

APPLICATION

To service for lighting public streets, alleys, thoroughfares, public parks and playgrounds by use of Company's facilities where such service for the whole area is contracted for from Company by the city, town, other governmental entities, or a responsible person for unincorporated communities.

Service is from dusk to dawn and Company will own (except as provided below), operate, and maintain the street lighting system including lamps and glass replacements.

The Incandescent Lamps & Standards, the Mercury Vapor Lamp, Luminaire and Bracket, and the Underground Circuit Charges (Parts III, IV, & V of this rate schedule) are applicable and available only to those customers being served and those installations in service on November 1, 1986.

MONTHLY BILL

<u>RATE</u>	<u>Investment Cost Provided By</u>	
	<u>Company</u>	<u>Others</u>
I. <u>Sodium Vapor Lighting Charges:</u>		
A. <u>High Pressure Sodium Lamps, luminaires & Brackets</u> (Lumens and wattages are nominal initial ratings)		
5,800 lumens, 70 watts, HPS	\$9.81	\$ 3.44
9,500 lumens, 100 watts, HPS	10.78	3.88
16,000 lumens, 150 watts, HPS	12.36	4.98
30,000 lumens, 250 watts, HPS	16.00	7.67
50,000 lumens, 400 watts, HPS	17.29	10.73
B. <u>Low Pressure Sodium Lamps, luminaires & Brackets</u> (Lumens and wattages are nominal initial ratings)		
8,000 lumens, 55 watts, LPS	\$9.64	\$ 3.68
13,500 lumens, 90 watts, LPS	13.11	5.14
22,500 lumens, 135 watts, LPS	15.61	6.90
33,000 lumens, 180 watts, LPS	17.96	8.51
II. <u>Pole Charges:</u>		
1. An existing distribution pole suitable for street light use	\$ 1.07	\$ 1.07
2. A wood pole for street lighting only for light center mounting heights of 35 feet or less	6.38	1.07
3. A metal or fiberglass pole for light center mounting heights of 28 feet or less	7.43	1.07
4. A metal pole for light center mounting heights between 29 feet and 40 feet	10.09	1.07
5. An anchor base used with Pole Types 3 or 4.	4.85	1.07

(CONTINUED ON REVERSE SIDE)

III.	<u>Incandescent Lighting Charges:</u>	Investment Cost	
		<u>Provided By</u>	
A.	<u>Lamps</u>	<u>Company</u>	<u>Others</u>
	1,000 lumen incandescent	\$ 3.45	\$ 3.45
	2,500 lumen incandescent	4.97	4.97
	4,000 lumen incandescent	6.98	6.98
	6,000 lumen incandescent	9.37	9.37
	10,000 lumen incandescent	15.09	15.09
B.	<u>Standards</u> (See "Special Provisions")		
	Type A	\$15.71	\$ 5.84
	Type B	11.39	4.80
	Type C	6.39	3.31
	Type D	4.37	2.74
	Type E	5.84	2.74
	Type F	3.67	---
	Type M	9.14	4.56
	Type N	6.39	---
	Type P	11.82	7.31
IV.	<u>Mercury Vapor & Metal Halide Lighting Charges:</u>		
	7,000 lumens, 175 watts, MV	\$ 9.05	\$ 5.19
	11,000 lumens, 250 watts, MV	11.33	6.90
	20,000 lumens, 400 watts, MV	17.79	10.08
V.	<u>Underground Circuit Charges:</u>		
	Per foot of cable, installed under paving	\$ 0.11230	---
	Per foot of cable, not installed under paving	0.03994	---

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

Facilities and Service

Street lighting facilities installed under this rate are of the type currently being furnished by Company as standard at the time service is initially requested. Company will maintain current street lighting construction standards and endeavor to keep abreast of all modern methods and practices.

The Company will use diligence in maintaining service. Monthly bills will not be reduced on account of lamp outages.

Presently installed units which do not conform to the above types will be billed in accordance with the type which is most nearly like such units.

High pressure sodium and low pressure sodium lighting owned by the Company shall be supplied only in the event of a new installation or an individual street light replacement. Conversion of existing street lighting systems to high or low pressure sodium shall be limited by individual contract provisions and availability of Company equipment.

Special Facilities

When Customer requests special (non-standard) street lighting facilities not provided by Company as standard, Company will use its best efforts to install, operate and maintain such facilities.

If the Company installs such special facilities, there will be an additional charge equal to 1-1/2 percent per month of the excess cost to the Company over standard facilities at time of installation and the maintenance of such facilities will be subject to time and ability to purchase replacement parts at reasonably equivalent prices of standard equipment. When the Company is currently using more than one standard for a particular type of installation, the excess cost to the Company shall be determined from the standard equipment with the highest cost within the range of standards for that particular type of installation.

The Customer may elect to substitute a one-time contribution in aid of construction equal to the excess costs in lieu of the additional charge.

The Company may decline to continue maintenance of special facilities due to inability to purchase replacement parts at reasonably equivalent prices of standard equipment. In this event, the Customer may elect to supply the required parts at no cost to the Company and the Company will then continue to maintain such facilities.

Extension of Street Lighting System

The Company will extend its standard street lighting system up to a distance of 300 feet for each additional lighting installation at the request of the customer. When the extension is underground the Customer will provide earthwork as specified in Section 6.1.2 of Schedule 3. The Company will provide the earthwork as specified in Section 6.1.2 of Schedule 3 at Customer's request for an additional monthly charge of 1-1/2 percent of its cost, or at option of Customer, a contribution in aid of construction equal to the cost of earthwork as specified in Section 6.1.2 of Schedule 3.

Additions to the street lighting system which are over 300 feet per installation or are of a non-standard nature not normally provided by the Company can be installed when the total cost to the Company of the installation does not exceed 6-1/2 times the annual revenue including the underground and/or special facilities charge. When the total cost to the Company of the installation does exceed 6-1/2 times the annual revenue, a monthly charge of 1-1/2 percent of the excess cost will be added to the billing in addition to any required special facilities charge and/or underground charge. Customer may elect to pay a contribution in aid of construction equal to such excess cost in lieu of the monthly charge of 1-1/2 percent.

Extensions to isolated areas requiring a substantial extension of the electric distribution system, as opposed to extension of the street lighting system, will require a special study to determine the conditions on which the Company will make such extension.

Investment Cost Provided By Others

If the Customer elects to be billed under the column headed "Investment Cost Provided By Others", it must install the system at its own expense in accordance with the Company's specifications, or make a non-refundable advance to cover the Company's cost of installing the system. The Company will own, maintain and operate the system.

The Company's Incandescent Street Light Standards Are As Follows:

- Type A - Enclosed glass luminaire with 8-foot or less up-sweep bracket mounted on 35-foot anchor base monotube or fluted steel pole.
- Type B - Enclosed glass luminaire with 8-foot or less up-sweep bracket mounted on 35-foot embedded base metal pole.*
- Type C - Enclosed glass luminaire with 14-foot or less bracket mounted on wood pole carrying only street lighting equipment.
- Type D - Enclosed glass luminaire with 14-foot or less bracket mounted on wood pole carrying distribution circuits, or on other type pole paid for under another standard charge.
- Type E - Open type unit with 4-foot bracket mounted on wood pole carrying only street lighting equipment.
- Type F - Open type unit with 4-foot bracket mounted on wood pole carrying distribution circuits.
- Type M - Enclosed glass luminaire with 6-foot or less up-sweep bracket mounted on 30-foot embedded base metal pole.*
- Type N - Identical to Type M except customer makes a contribution of \$50 per light.
- Type P - Incandescent pole top luminaire mounted on 23-foot steel pipe pole.

*Steel pipe or tubular steel at Company's option.

CONTRACT PERIOD

Ten (10) years or more, at option of Company.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: November 18, 1997

A.C.C. No. 5472
 Canceling A.C.C. No. 5432
 Tariff or Schedule No. E-59
 Revision No. 4
 Effective: July 1, 2001

ENERGY SERVICE FOR GOVERNMENT OWNED STREET LIGHTING SYSTEMSAVAILABILITY

In those portions of cities, towns and unincorporated communities in which Company does a general retail electric business and where Customer has installed or purchased a multiple or series street lighting system and Company has distribution facilities of adequate capacity for the service to be rendered.

APPLICATION

To provide energy service for lighting public streets, alleys, thoroughfares, public parks and playgrounds by use of Customer's facilities where such service for the whole area is contracted for from Company pursuant to the terms set forth herein by the city, town, other governmental entities, or a responsible person for unincorporated communities.

Service is from dusk to dawn and Customer will own, operate, and maintain the street lighting system including lamps and glass replacements but excluding distribution facilities installed by Company to serve the lighting system.

MONTHLY BILL

The monthly bill shall be the sum of the amounts computed under A. and B. below, including the applicable Adjustments:

A.	Service Charge per installed lamp	\$1.85
B.	Energy Charge per kWh	\$0.06050

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

Monthly billed energy is based upon the summation of the contracted energy rating of installed facilities specified in the streetlighting contract.

Monthly bills will not be reduced on account of lamp outages.

Presently installed units which do not conform to the types specified in Rate E-58 will be billed in accordance with the type which is most nearly like such units.

EXTENSION OF COMPANY DISTRIBUTION SYSTEM

The Company will extend its standard street distribution lighting system up to a distance of 300 feet for each additional lighting installation at the request of the Customer. When the extension is underground the Customer will provide earthwork as specified in Section 6.1.2 of Schedule 3. The Company will provide the earthwork as specified in Section 6.1.2 of Schedule 3 at Customer's request for an additional monthly charge of 1-1/2 percent of its cost, or at option of Customer, a contribution in aid of construction equal to the cost of earthwork as specified in Section 6.1.2 of Schedule 3.

Additions to the street lighting system which are over 300 feet per installation or are of a non-standard nature not normally provided by the Company can be installed when the total cost to the Company of the installation does not exceed 6-1/2 times the annual revenue including the underground and/or special facilities charge. When the total cost to the Company of the installation does exceed 6-1/2 times the annual revenue, a monthly charge of 1-1/2 percent of the excess cost will be added to the billing in addition to any required special facilities charge and/or underground charge. Customer may elect to pay a contribution in aid of construction equal to such excess cost in lieu of the monthly charge of 1-1/2 percent.

Extensions to isolated areas requiring a substantial extension of the electric distribution system, as opposed to extension of the street lighting system, will require a special study to determine the conditions on which the Company will make such extension.

(CONTINUED ON NEXT PAGE)

CONTRACT PERIOD

A fixed period not less than 1 year and not to exceed 20 years, as agreed to by the Customer and as specified in the streetlighting contract.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: February 1, 1985

A.C.C. No. 5473
 Cancelling A.C.C. No. 5433
 Tariff or Schedule No. E-67
 Revision No. 12
 Effective: July 1, 2001

MUNICIPAL LIGHTING SERVICE - CITY OF PHOENIXAVAILABILITY

Within the City of Phoenix at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service except street lighting service, furnished for the lighting of alleys, buildings, and other public places owned or maintained by the City. Service to traffic signals is limited to those installations being served as of January 31, 1985, under the Agreement of April 4, 1930, as modified, between Central Arizona Light and Power Company and the City of Phoenix, and no new or reconnected traffic signal installations may be served after that time. Service must be supplied at one premise through one point of delivery and measured through one meter.

Not applicable to breakdown, standby, supplementary, or resale service.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage (as may be selected by customer, subject to availability at the customer's premise). Transformation equipment is included in cost of extension.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

- | | | |
|----|----------------|-------------------------------|
| A. | <u>RATE</u> | \$0.03589 per kWh for all kWh |
| B. | <u>MINIMUM</u> | None |

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: February 1, 1953

A.C.C. No. 5474
 Cancelling A.C.C. No. 5434
 Tariff or Schedule No. E-221
 Revision No. 39
 Effective: July 1, 2001

WATER PUMPING SERVICEAVAILABILITY

In all territory served by Company, at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service required for irrigation pumping, and to electric service required by water utilities for pumping potable water to serve the citizens of a city, town, or unincorporated community. Service must be supplied at one point of delivery and measured through one meter.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage (12,500; 2,400; 480; or 240 volts as may be selected by customer subject to availability at the premises). Measurement of service is at secondary voltage.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	\$15.00	Basic Service Charge, plus	
	1.68	for each kW, plus	
	0.09772	per kWh first 240 kWh	
	0.06643	per kWh next 275 kWh per kW	
	0.05454	per kWh all additional kWh	
	<u>OPTIONAL</u>		
	<u>TIME OF WEEK</u>	When Customer's measured kWh during the specified	
	<u>PROVISIONS</u>	control period is:	The base revenue will be adjusted by:
	(1)	2 kWh per kW or less	(\$0.00713) per kWh for all kWh
	(2)	Greater than 2 kWh per kW but less than or equal to 8 kWh per kW	\$ 0.00000 per kWh for all kWh
	(3)	Greater than 8 kWh per kW	+\$ 0.00357 per kWh for all kWh

AVAILABILITY

Only available to those customers who have signed the Electric Supply Agreement regarding these provisions. The type of equipment required is nonstandard and therefore availability is limited. Additionally, the amount of equipment required is unknown. Consequently, Company cannot guarantee installation of the equipment required within any specific time.

CONTROL PERIOD

The control period will be a period from 9 a.m. to 10 p.m. for one assigned day of week, Monday through Friday, as specified by Company in the Electric Supply Agreement.

DETERMINATION OF KW

The average kW supplied during the 15-minute period of maximum use during the month, as determined from readings of the Company's meter, or at Company's option, by test.

(CONTINUED ON REVERSE SIDE)

- B. MINIMUM \$15.00 plus \$1.68 for each kW of the highest kW established during the 12 months ending with the current month, or the minimum kW specified in the agreement for service, whichever is greater. However, such monthly minimum charge shall not be more than an amount sufficient to make the total charges for such 12 months equal to \$20.28 for each of such highest kW plus \$180.00, but in no instance more than the monthly minimum amount as computed above.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director, Pricing Regulation and Planning
 Original Effective Date: November 1, 1986

A.C.C. No. 5475
 Cancelling A.C.C. No. 5435
 Tariff or Schedule No. E-221-8T
 Revision No. 13
 Effective: July 1, 2001

WATER PUMPING SERVICE
TIME OF USE

AVAILABILITY

In all territory served by Company, at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service required for irrigation pumping, and to electric service required by water utilities for pumping potable water to serve the citizens of a city, town, or unincorporated community. Service must be supplied at one point of delivery and measured through one meter.

Not applicable to breakdown, standby, supplementary, or resale service.

Rate selection is subject to Sections numbered 3.2 and 3.3 of Schedule No. 1 of the Company's "Terms and Conditions," except that this rate schedule would become effective from the next meter reading after Company has installed the required timed kilowatthour meter.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage (12,500, 2,400, 480, or 240 volts as may be selected by customer subject to availability at the premises). Measurement of service is at secondary voltage.

MONTHLY BILL RATE

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>	
	\$25.87	Basic Service Charge, plus
	3.97	per kW established during on-peak hours*
	2.38	per kW established during off-peak hours
	0.08013	per kWh measured during on-peak hours*
	0.04309	per kWh measured during off-peak hours

*On-peak is a continuous 8 hour period between 9 a. m. and 10 p. m. as specified by the Company in the Electric Supply Agreement with the customer.

DETERMINATION OF KW

The average kW supplied during the 15-minute period of maximum use, for both on- and off-peak periods, during the month, as determined by readings of the Company's meter, or at the Company's option, by test.

B.	<u>MINIMUM</u>	\$25.87 plus \$2.38 for each kW of the highest kW established on or off peak during the 12 months ending with the current month or the contract kW, whichever is greater. However, such monthly minimum charge shall not be more than an amount sufficient to make the total charges for such 12 months equal to \$28.66 for each of such highest kW plus \$310.44, but in no instance more than the monthly minimum amount as computed above.
----	----------------	--

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price of revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

(CONTINUED ON REVERSE SIDE)

HOURS

Mountain Standard Time shall be used in the application of this rate schedule. The total time for the on-peak period is subject to a plus or minus 15-minute variation.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS & CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: October 25, 1981

A.C.C. No. 5476
 Cancelling A.C.C. No. 5436
 Tariff or Schedule No. EPR-2
 Revision No. 9
 Effective: July 1, 2001

PURCHASE RATES FOR QUALIFIED COGENERATION AND SMALL POWER PRODUCTION FACILITIES UNDER 100 KW RECEIVING PARTIAL REQUIREMENTS OR INTERRUPTIBLE SERVICE

AVAILABILITY

In all territory served by Company.

APPLICATION

To all cogeneration and small power production facilities 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 the Arizona Corporation Commission's Decision No. 52345 on cogeneration and small power production facilities. Applicable only to qualifying facilities (QF's) electing to configure their systems as to require only partial requirements or interruptible service from the Company in order to meet their electric requirements.

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 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 QF 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 applicable retail rate or rates.

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

MONTHLY PURCHASE RATE

Rate for pricing of energy, net of that for the customer's own use, that is delivered to the Company:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak ^{1/}	Off-Peak ^{2/}	On-Peak ^{1/}	Off-Peak ^{2/}
Summer Billing Cycles (June - October)	3.131	2.295	4.790	3.511
Winter Billing Cycles (November - May)	2.623	2.145	4.013	3.281

^{1/} On-Peak Periods: 9 a.m. to 9 p.m., weekdays

^{2/} Off-Peak Periods: All other hours

These rates are based on the Company's estimated avoided energy costs and will be updated annually to reflect changes in the Company's fuel costs.

SERVICE CHARGE

The monthly service charge shall be determined in accordance with the type of customer service characteristics as set forth below:

	<u>Monthly Charge</u>
Single Phase Service:	
0-200 amp service	\$ 7.34
Three Phase Service:	
0-200 amp service	\$ 8.87
201-400 amp service	\$18.31

CONTRACT PERIOD

As provided for in the Purchase Agreement.

DEFINITIONS

1. Partial Requirements Service - A QF's system configuration whereby the output from its electric generator(s) first go to supply its own electric requirements with any excess energy (over and above its own requirements at the time) then being sold to the Company. The Company supplies the Customer's supplemental electric requirements (those not met by the QF's own generation facilities). This also may be referred to as the "parallel mode" of operation.
2. 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).
 - Interruptible Power - Electric energy or capacity supplied by the Company subject to interruption by the Company under specified conditions and under agreed upon lead time requirements.
3. Non-Firm Power - Electric power which is supplied by the power producer at the producer's option, where no firm guarantee is provided, and the power can be interrupted by the power producer at any time.
4. Firm Power - Power available, upon demand, at all times (except for forced outages and scheduled maintenance) 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.
5. 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.

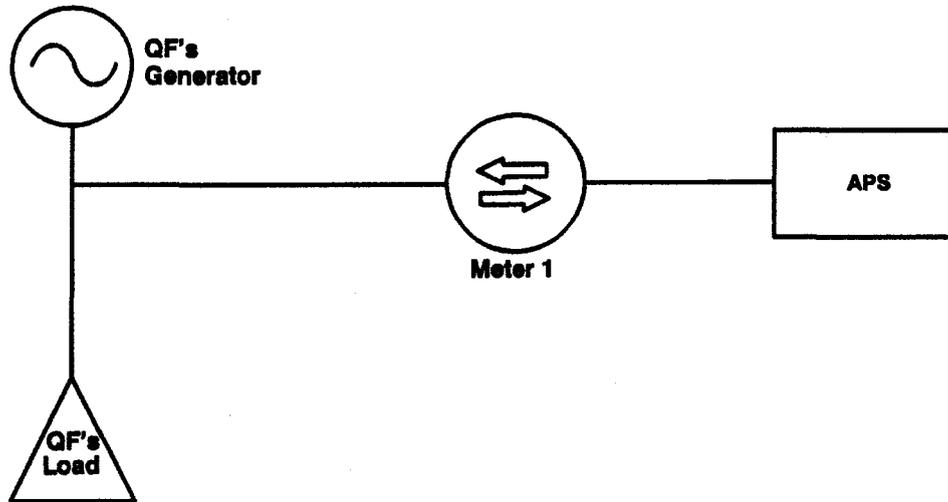
TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities, or as it may be amended or modified from time to time by any supplemental or special Terms and Conditions pursuant to Customer's Purchase Agreement with the Company.

Customer and Company will share in the cost of the bi-directional meter used to record sales to the Customer and purchases from the Customer. Company shall be responsible for all costs up to and equal to the installed cost of a residential time-of-use meter, and Customer shall be responsible for the difference between the installed cost of the bi-directional meter compared to a standard residential time-of-use meter. Customer shall have the option to pay the incremental metering costs initially or in monthly installments over a five year time period.

(CONTINUED ON PAGE 3)

METERING CONFIGURATION



ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: February 4, 1993

A.C.C. No. 5477
 Cancelling A.C.C. No. 5437
 Tariff or Schedule No. EPR-3
 Revision No. 6
 Effective: July 1, 2001

PURCHASE RATES FOR QUALIFIED SOLAR/PHOTOVOLTAIC SMALL POWER PRODUCTION FACILITIES 10 KW OR LESS THAT RECEIVE FULL OR PARTIAL REQUIREMENTS ELECTRIC SERVICE

AVAILABILITY

In all territory served by Company.

APPLICATION

To all small power production facilities with a nameplate rating of 10 kW or less utilizing solar/photovoltaic technology where the customer's generator(s) and load are located at the same premise and meet qualifying status pursuant to the Arizona Corporation Commission's Decision No. 52345 on cogeneration and small power production facilities. Applicable only to qualifying facilities (QF's) either: a) operating in the simultaneous buy/sell mode (whereby all the QF's generation output is fed directly into the Company's system and all of the QF's electric requirements are met by sales from the Company) or; b) QF's electing to configure their systems as to require only partial requirements or interruptible service from the company in order to meet their electric requirements.

Applicable only to those customers being served on the Company's Rate Schedule EPR-3 prior to July 1, 1996.

TYPE OF SERVICE

Electric sales to the Company must be single phase, 60 Hertz, at one standard voltage as may be selected by 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 Customer will be responsible for all incremental costs incurred by APS to accommodate such an arrangement.

BILLING OPTIONS FOR PURCHASES FROM AND SALES TO THE CUSTOMER

The Customer will have the option of choosing either of the following two methods for determining the bill for purchases and sales:

A. Net Bill Method:

The energy (kWh's) sold to the Company shall be subtracted from the energy purchased from the Company. If the difference is positive, the net energy received from the Company will be priced at the applicable standard retail rate under which the Customer would otherwise purchase its full requirements service. If the difference is negative, the net energy delivered to the Company will be priced at the Monthly Purchase Rate shown below.

B. Separate Bill Method:

All sales and purchases shall each be treated separately with sales to the Customer billed on the applicable standard retail rate for full requirements service, and purchases of energy from the Customer's QF priced at the Monthly Purchase Rate shown below.

MONTHLY PURCHASE RATE

Rate for pricing of energy, net of that for the customer's own use, that is delivered to the Company under either Billing Option A or Option B:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak ^{1/}	Off-Peak ^{2/}	On-Peak ^{1/}	Off-Peak ^{2/}
Summer Billing Cycles (June - October)	3.131	2.295	4.790	3.511
Winter Billing Cycles (November - May)	2.623	2.145	4.013	3.281

^{1/} On-Peak Periods: 9 a.m. to 9 p.m., weekdays

^{2/} Off-Peak Periods: All other hours

These rates are based on the Company's estimated avoided energy costs and will be updated annually to reflect changes in the Company's fuel costs.

METERING

See pages 3 and 4 Metering Configurations & Options outlining the metering options available to solar/photovoltaic QF Customers electing the simultaneous buy/sell mode or the parallel mode of operation.

CONTRACT PERIOD

As provided for in the Purchase Agreement.

DEFINITIONS

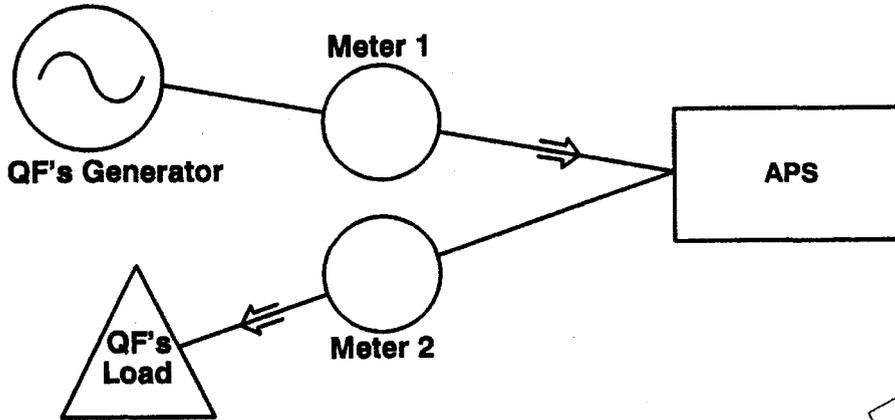
1. Full Requirements Service - Any instance whereby the Company provides all the electric requirements of a Customer.
2. Partial Requirements Service - A QF's system configuration whereby the output from its electric generator(s) first go to supply its own electric requirements with any excess energy (over and above its own requirements at the time) then being sold to the Company. The Company supplies the Customer's supplemental electric requirements (those not met by the QF's own-generation facilities). This also may be referred to as the "parallel mode" of operation.
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).
 - Interruptible Power - Electric energy or capacity supplied by the Company subject to interruption by the Company under specified conditions and under agreed upon lead time requirements.
4. Non-Firm Power - Electric power which is supplied by the power producer at the producer's option, where no firm guarantee is provided, and the power can be interrupted by the power producer at any time.
5. Firm Power - Power available, upon demand, at all times (except for forced outages and scheduled maintenance) 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.
6. Net Energy - The total kilowatthours (kWh's) sold to the Customer by the Company less the total kWh's purchased by the Company from the Customer's QF. "Net energy" applies only to those QF's operating in the simultaneous buy/sell mode.
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

Subject to Company's Schedule No. 2, "Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities", or as it may be amended or modified from time to time by any supplemental or special Terms and Conditions pursuant to Customer's Purchase Agreement with the Company.

(CONTINUED ON PAGE 3)

METERING CONFIGURATIONS & OPTIONS
FOR SOLAR/PHOTOVOLTAIC QF APPLICATIONS 10 KW OR LESS
(Simultaneous Buy/Sell Mode)



METERING OPTIONS

Qualifying Facilities Utilizing Solar/Photovoltaic Technology 10 kW or less:

f on an Energy Only (kWh) Type Rate*
f on a Time-of-Use Type Rate*

Type of Meter
(Meter 1)

Type of Meter
(Meter 2)

TOU^{a/}
TOU^{c/}

kWh^{b/}
TOU^{d/}

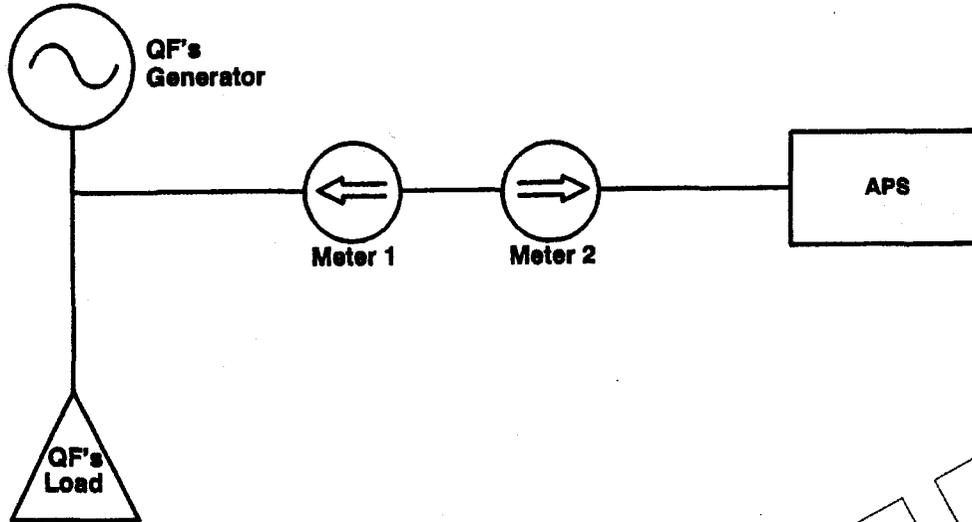
* Refers to the Customer's otherwise applicable standard retail rate for firm purchases from the Company.

- a/ A Time-of-use (TOU) meter that registers kWh's only during peak and off-peak periods as specified in the "Monthly Purchase Rate" section of this rate schedule.
- b/ A non-timed watt-hour meter that registers kWh's only.
- c/ A TOU meter that registers kWh's only during peak and off-peak periods concurrent with those periods used in measuring energy for billing purposes by Meter 2.
- d/ As per applicable rate schedule.

NOTE: APS shall be responsible for providing all required meters for the Simultaneous Buy/Sell Mode under the EPR-3 Metering Configuration.

(CONTINUED ON REVERSE SIDE)

METERING CONFIGURATIONS & OPTIONS
FOR SOLAR/PHOTOVOLTAIC QF APPLICATIONS 10 KW OR LESS
(Parallel Mode of Operation)



METERING OPTIONS

Qualifying Facilities Utilizing Solar/Photovoltaic Technology 10 kW or less:

If on an Energy Only (kWh) Type Rate*
If on a Time-of-Use Type Rate*

Type of Meter
(Meter 1)

Type of Meter
(Meter 2)

kWh^{a/}
TOU^{b/}

TOU^{b/}
TOU^{a/}

*Refers to the Customer's otherwise applicable standard retail rate for firm purchases from the Company.

- a/ A non-timed watt-hour meter that registers kWh's only.
- b/ A Time-of-use (TOU) meter that registers kWh's only during peak and off-peak periods as specified in the "Monthly Purchase Rate" section of this rate schedule.
- c/ As per applicable rate schedule.

NOTE: APS shall be responsible for providing all required meters for the parallel mode of operation under the EPR-3 Metering Configuration.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY
 Phoenix, Arizona
 Filed by: Alan Propper
 Title: Director of Pricing and Regulation
 Original Effective Date: July 1, 1996

A.C.C. No. 5478
 Cancelling A.C.C.No. 5438
 Tariff or Schedule No. EPR-4
 Revision No. 5
 Effective: July 1, 2001

PURCHASE RATES FOR QUALIFIED SMALL POWER PRODUCTION FACILITIES 10 KW OR LESS
 UTILIZING RENEWABLE RESOURCE TECHNOLOGIES THAT RECEIVE PARTIAL REQUIREMENTS ELECTRIC SERVICE

AVAILABILITY

In all territory served by Company.

APPLICATION

To all small power production facilities with a nameplate rating of 10 kW or less utilizing renewable resource technologies where the customer's generator(s) and load are located at the same premise and meet qualifying status pursuant to the Arizona Corporation Commission's Decision No. 52345 on cogeneration and small power production facilities. Applicable only to qualifying facilities (QF's) electing to configure their systems as to require only partial requirements or interruptible service from the Company in order to meet their electric requirements.

TYPE OF SERVICE

Electric sales to the Company must be single phase, 60 Hertz, at one standard voltage as may be selected by 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 Customer will be responsible for all incremental costs incurred by APS 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 applicable retail rate or rates.

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

MONTHLY PURCHASE RATE

Rate for pricing of energy, net of that for the customer's own use, that is delivered to the Company:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak ^{1/}	Off-Peak ^{2/}	On-Peak ^{1/}	Off-Peak ^{2/}
Summer Billing Cycles (June - October)	3.131	2.295	4.790	3.511
Winter Billing Cycles (November - May)	2.623	2.145	4.013	3.281

^{1/} On-Peak Periods: 9 a.m. to 9 p.m., weekdays

^{2/} Off-Peak Periods: All other hours

These rates are based on the Company's estimated avoided energy costs and will be updated annually to reflect changes in the Company's fuel costs.

CONTRACT PERIOD

As provided for in the Purchase Agreement.

(CONTINUED ON REVERSE SIDE)

DEFINITIONS

1. Partial Requirements Service - A QF's system configuration whereby the output from its electric generator(s) first go to supply its own electric requirements with any excess energy (over and above its own requirements at the time) then being sold to the Company. The Company supplies the Customer's supplemental electric requirements (those not met by the QF's own-generation facilities). This also may be referred to as the "parallel mode" of operation.
2. 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).
 - Interruptible Power - Electric energy or capacity supplied by the Company subject to interruption by the Company under specified conditions and under agreed upon lead time requirements (Non-Firm Power).
3. Non-Firm Power - Electric power which is supplied by the power producer at the producer's option, where no firm guarantee is provided, and the power can be interrupted by the power producer at any time.
4. Firm Power - Power available, upon demand, at all times (except for forced outages and scheduled maintenance) 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.
5. 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

Subject to Company's Schedule No. 2, "Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities", or as it may be amended or modified from time to time by any supplemental or special Terms and Conditions pursuant to Customer's Purchase Agreement with the Company.

METERING CONFIGURATION

