

# INTEGRATED RESOURCE PLAN



**GILA RIVER INDIAN COMMUNITY**

**UTILITY AUTHORITY**

**January 15, 2009**

## Table of Contents

<b>PROFILE DATA .....</b>	<b>3</b>
GRICUA BOARD.....	3
CONTACT PERSONS.....	4
<b>GRICUA GOALS AND OBJECTIVES .....</b>	<b>5</b>
<b>LOAD INFORMATION .....</b>	<b>5</b>
SUPPLY SIDE RESOURCES .....	7
DEMAND SIDE RESOURCES .....	7
RESOURCE PLAN.....	8
<b>ACTION PLAN.....</b>	<b>8</b>
<b>ENVIRONMENTAL EFFECTS .....</b>	<b>10</b>
<b>COMMUNITY PARTICIPATION.....</b>	<b>11</b>

Appendix A – Map of Gila River Indian Community Utility Authority Service Area

Appendix B – Current Rates

Appendix C – Public Announcement

## **Profile Data**

The Gila River Indian Community Utility Authority (GRICUA) is an enterprise of the Gila River Indian Community (GRIC) and serves load within the Gila River Indian Community Reservation (Reservation). The Reservation is located approximately 7 miles south of the downtown Phoenix. The Reservation encompasses approximately 373,000 acres of which up to some 146,300 acres are used for agricultural purposes. Latest population figures show the Reservation population to be around 11,257 individual members.

GRICUA's service area on the Reservation encompasses approximately 332 square miles. A map showing GRICUA's service area is provided in **Appendix A**. The customer base is commercial, residential and agricultural. GRICUA provides service to large commercial customers including GRIC's Lone Butte Casino, Wild Horse Pass Casino and the Sheraton Resort. For the period October 1, 2007 through September 30, 2008 (FY2008), GRICUA served electricity to approximately 281 customers on the Reservation

To provide service to its customers, GRICUA receives power at the Lone Butte Substation and steps the power down through its Lone Butte Substation. In addition, GRICUA has a 12 kV delivery point with SRP. GRICUA has approximately 40 miles of distribution lines.

In 1998 GRIC created GRICUA. GRICUA is served by a seven-member Board pursuant to its Plan of Operation. The policies for service, rates and assessments for power provided by GRICUA to its customers on the Reservation are determined and set by the GRICUA Board. Below are listed the current Board members and contacts.

### **GRICUA Board**

Harry A. Cruye, Jr., Chairman  
E. Lee Thompson, Vice Chairman  
Marshall Sunna, Board Member  
Gary Ijams, Treasurer  
Malcolm Dalton, Secretary  
Jewell Whitman, Board Member  
Jess Sixkiller, Board Member

21

## Contact Persons

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GRICUA receives federal preference power and energy to serve its customers from its entitlement to Salt Lake City Area Integrated Project (SLCA/IP) power from the Western Area Power Administration (Western), Salt River Project ("SRP"), Powerex, and other supplemental providers as necessary. GRICUA is in the Arizona Electric Power Cooperatives (AEPSCO) control area. The current contracted firm resources and resource management of short-term purchases are expected to be sufficient for GRICUA through 2010. Supplemental resources to meet forecasted loads will be obtained as required.

GRICUA has attempted to maintain rate stability and minimize increases in the electric rates through participation in this resource and managing the scheduling of the electricity to meet load. Copies of GRICUA's current rate schedules are attached as **Appendix B**.

GRICUA's Western electrical power is transmitted over the Western Parker-Davis transmission system, the Pacific Northwest - Pacific Southwest Intertie transmission system and the Colorado River Storage Project (CRSP) transmission system to the Western 230kV Lone Butte Substation. From the Lone Butte Substation, the power is delivered over facilities owned and operated by GRICUA or wheeled through the Department of Interior, Bureau of Indian Affairs' utility at 12kV to GRICUA owned facilities or directly metered customers. Additionally, GRICUA receives power over SRP facilities to a 12 kV interconnection point and this power is also delivered over GRICUA owned and operated facilities.

GRICUA serves the electrical requirements of certain residential, commercial, and water pumping customers on the Reservation. As of December 2008, GRICUA serves approximately 162 residential customers, 222 commercial customers and 3 irrigation and/or domestic pumps. The rates for energy provided by GRICUA to its customers are determined and set by its Board and confirmed by the Community Council.

In 2006, GRICUA and the Bureau of Indian Affairs' utility the San Carlos Indian Irrigation Project (SCIP) entered into an agreement whereby GRICUA is responsible for all new customers within the area on the Reservation served by SCIP and that, if requested by a SCIP customer, the customer could switch their service provider to GRICUA.

## **GRICUA Goals and Objectives**

GRICUA' goals and objectives for providing electrical power on the Reservation are summarized below:

- Provide power at the lowest practicable cost, consistent with sound business principles and practices
- Promote energy efficiency and conservation on the Reservation
- Continue to participate with other utilities to provide reliable electric service and promote economic growth on the Reservation
- Provide long-term stability of power rates to its Community members
- Provide employment opportunities for Community members
- Provide for self-determination on the Reservation

## **Load Information**

With the execution of the agreement between GRICUA and SCIP, GRICUA's load growth has changed dramatically. The agreement provides two conditions that impact GRICUA's load forecast. First, GRICUA will serve all new customers within the on-Reservation area served by SCIP (332 square miles). Second, existing SCIP customers can opt to switch to GRICUA. Thus GRICUA's historic load data does not influence the current forecasted load. Much of the load growth is a result of SCIP customers opting to switch to GRICUA and new loads in the service area. GRICUA continues to serve the existing and future residential and commercial load on the Reservation, including two of the three casinos.

Shown on the following page is Table 1, the historic and the projected annual load. Table 2 shows the customer growth.

The energy and demand forecast is based on expected known developments on the Reservation that impact electric loads. Overall, GRICUA expects its peak demand and energy sales to increase significantly for the next five years.

**TABLE 1**  
**Energy and Demand Forecast**

Power Year Oct-Sep	Peak Demand @ Pinnacle Peak Substation (kW)	Peak Annual Growth (%)	Energy @ Pinnacle Peak Substation (kWh)	Energy @ Pinnacle Peak Substation Annual Growth (%)	Energy @ Meter (kWh)	Load Factor @ Pinnacle Peak Substation (%)	Energy Loss Factor From Pinnacle Peak Substation To Meter (%)
2004 - 2005	4,714		27,900,122		NA	67.56%	
2005 - 2006	4,953	5.07%	36,476,762	30.74%	NA	84.07%	
2006 - 2007	7,000	5.00%	39,199,925	5.00%	NA	63.93%	
2007 - 2008	16,407	3.00%	97,780,022	3.00%	85,068,620	68.03%	13.00%
Forecasted							
2008 - 2009	25,514	55.51%	134,602,425	37.66%	117,104,110	37.66%	13.00%
2009 - 2010	40,976	60.60%	256,875,104	90.84%	223,481,341	90.84%	13.00%
2010 - 2011	63,887	55.91%	433,055,507	68.59%	376,758,291	68.59%	13.00%
2011 - 2012	83,350	30.46%	562,475,629	29.89%	489,353,797	29.89%	13.00%
2012 - 2013	108,322	29.96%	739,096,947	31.40%	643,014,344	31.40%	13.00%

**TABLE 2**  
**Number of Customers**

Power Year Oct-Sep	Number of Customers		
	Residential	Commercial	Total
2004 - 2005	-	7	7
2005 - 2006	-	50	50
2006 - 2007	24	64	88
2007 - 2008	100	181	281
Forecasted			
2008 - 2009	536	253	789
2009 - 2010	730	297	1,027
2010 - 2011	972	338	1,310
2011 - 2012	1,190	372	1,562
2012 - 2013	1,396	416	1,812

*Needs to reflect the size, type, resource conditions, and demographic nature of the customer Time series and use, and econometric method*

## **Supply Side Resources**

GRICUA anticipates that the current federal resources under contract combined with future supplemental supplies from other third party providers will be sufficient for GRICUA to meet its monthly power and energy requirements through the next two-year and five-year periods. Summarized below are GRICUA's current contractual commitments.

- Western Area Power Administration (SLCA/IP Power) at Western's Lone Butte
  - SLCA/IP Capacity and Energy:  
Summer Season: 13,920 kW (CROD), 30,202,512 kWh  
Winter Season: 13,330 kW (CROD), 30,918,295 kWh
  - Expires September 30, 2024
- Salt River Project
  - Up To 10 MW's
  - Expires September 30, 2010

Powerex 45,064MWh through December 2009

- Additional Supplemental Resources
  - To the extent that the above resources are not sufficient to meet loads, GRICUA will enter into and purchase supplemental resources from other third party suppliers.
- SCIP wheeling Agreement
- SRP Wheeling and OATT Agreements
- AEPCO control area services agreement
- Western Area Power Administration - Transmission contract

## **Demand Side Resources**

GRICUA has several ongoing Demand Side Management ("DSM") activities primarily relating to the improvement of the system reliability and improved loss factors as well as load management. The electric power is utilized to serve residential, commercial and agricultural loads on the Reservation. Additionally, over the past several years the GRIC has used energy efficient construction methods when remodeling older homes and building new homes. Additionally, commercial customers have made energy efficiency improvements to their buildings. GRICUA is also exploring the possibility of utilizing its retail meters as the basis of a time-of-use or other similar program, but it is too early to tell if this will be feasible under current circumstances. GRICUA will continue to seek opportunities to increase system

reliability and reduce losses through DSM efforts.

## **Resource Plan**

The current projection of GRICUA's loads for the upcoming 2-year and 5-year periods indicates that additional resources are needed. The nature of GRICUA's resource arrangements will be such that all of GRICUA's resource needs above its SLCA/IP power will be met with supplemental power. Therefore, GRICUA will use its current entitlement of SLCA/IP resource with intermittent purchases of supplemental power to meet its projected loads through the 5-year planning period.

The identification of options for additional resources to meet increased customer loads within this IRP is coordinated through an examination of the costs and benefits for each resource. Supply side resource options will be considered for both the short-term and also for the long-term. Because GRICUA already implements numerous system efficiency improvement practices in its operations, and because the GRICUA is restricted to a certain extent by budgetary constraints, opportunities for additional energy savings through DSM are limited. However, GRICUA will continue to look for other opportunities for energy savings from distribution improvements and evolving distribution technological advances and practices. 4

The least cost option for any additional necessary resources is identified from a cost benefit analysis. This information is considered by GRICUA in combination with other information to select an Action Plan for GRICUA that conforms to the regulations and guidelines of the Energy Planning and Management Program. The selection of GRICUA's Action Plan also includes consideration for reliability of service, economics, rate impacts and price elasticity, environmental effects, regulatory impacts and risks, legal considerations and risks, competitive impacts, social acceptance and public considerations and any other factors which may be identified from time-to-time which may be pertinent in selecting or implementing an Action Plan.

## **Action Plan**

- **Resource Action Plan**

The time period covered by GRICUA's Action Plan is the five-year period from October 1, 2008 through September 30, 2013. 11

GRICUA has determined that to provide reliable electric power at the lowest practicable cost, consistent with sound business principles, it will continue using its Federal Hydro entitlements and current market contracts to supply GRICUA's projected power requirements. Existing Firm contracts and supplemental contracts plus managing of power schedules should enable GRICUA to satisfy its load projections for the upcoming years. 2

With the termination of the SRP contract in mid-2010, an additional supply must be secured to meet the forecasted loads beyond that point. It is expected that any additional resource needs will be met through purchased power contracts. Conventional generation options will be explored, but would not be available in the time period that GRICUA requires additional resources.

Supply side option  
1b.

supply side option

1a.

As the contracted resources are anticipated to be insufficient to meet load after mid-2010, the following actions will be taken to implement the IRP.

**Action:** GRICUA will evaluate the feasibility of extending its present contractual arrangements with SRP.

10

**Milestone:** If negotiations do not produce a satisfactory result within a timeframe agreeable to both parties, GRICUA will seek an alternative.

**Action:** In the event it the SRP contract is not extended, GRICUA will evaluate other supply side options, such as purchase power agreements in order to have sufficient resources to meet post-2010 forecasted load.

**Milestone:** An evaluation of purchase power contract options will be performed prior to mid-2010.

**Validation and Evaluation**

GRICUA will evaluate and secure sufficient additional supply side options, such as a purchase power contract, to meet forecasted loads at the lowest practicable cost, consistent with sound business principles. Securing sufficient purchased power resources is integral to maintaining the rate stability of GRICUA and necessary to maintain transmission system reliability. GRICUA's review of resource options (SRP or otherwise) will include consideration for reliability of service, economics, rate impacts and price elasticity, environmental effects, regulatory impacts and price elasticity, environmental effects, regulatory impacts and risks, legal considerations and risks, competitive impacts, social acceptance and public considerations and any other factors which may be identified from time-to-time which may be pertinent in selecting or implementing an Action Plan.

• **Conservation Action Plan**

GRICUA will continue certain conservation activities to promote and maintain the energy efficiency of its distribution facilities and the conservation of electric resources. 1c.

**Period:** Fiscal Year October 1, 2008 through September 30, 2013 11

**Activity:**

1. Use of Infrared Heat Detection Equipment
2. Customer Lighting Conservation Program
3. Transmission and Distribution Efficiency Improvements

## **Validation and Evaluation**

### **1. USE OF INFRARED HEAT DETECTION EQUIPMENT**

GRICUA will utilize infrared test as part of its maintenance program. The infrared equipment will be used to locate thermal related problems on the power system to improve system reliability and reduce system losses on a regular basis.

### **2. CUSTOMER LIGHTING CONSERVATION PROGRAM**

GRICUA is developing a communication program to encourage customers to switch to CFL or Light Emitting Diode lighting. This activity will be an ongoing program to ensure customers are ware of the potential benefits from switching so that the savings continue on a yearly basis.

### **3. TRANSMISSION AND DISTRIBUTION EFFICIENCY IMPROVEMENTS**

GRICUA incorporates numerous substation, transmission and distribution improvements into its budget and system maintenance program representing a significant financial commitment and personnel commitment by GRICUA towards improved efficient use of current resources. These efforts can be grouped in two main categories Substation Maintenance and Transmission/Distribution System Improvements.

Substation Maintenance: Tests are performed on a monthly basis on GRICUA's substation and associated equipment. Any equipment exhibiting marginal or hazardous conditions is scheduled for repair or replacement as deemed necessary. This activity is an ongoing program that has improved system reliability and reduced losses throughout the entire power system.

Transmission/Distribution System Upgrades: GRICUA will improve the transmission and distribution facilities that it owns on an ongoing basis. The upgrades can include reconductoring existing lines, upgrading existing lines to higher rated wires, and feeder improvements and upgrades. These activities will result in reduced losses and improved system reliability.

## **Environmental Effects**

GRICUA is required, to the extent practicable, to minimize adverse environmental effects of new resource acquisitions and document these efforts in its IRP. To the extent GRICUA better utilizes its hydro resources, such efforts should be environmentally beneficial, as increased utilization would offset thermal generation purchases.

To the extent GRICUA continues conservation activities and informational activities with its customers, the anticipated effects will be environmentally beneficial and economically sound.

<sup>supply side</sup>  
In the acquisition of additional resources to meet post-2007 forecasted loads, conventional and hydro generation options have been considered and are deemed unfeasible at this time in part due to hydrological-based environmental factors. The supply side options to meet post-2007 forecasted loads will take environmental effects into consideration and an attempt to minimize environmental effects will be factored into the options evaluation process.

## Community Participation

GRICUA posted a public notice that the draft Integrated Resource Plan was available for public review and comment. The notice was posted in the GRICUA office on the public notices board and on the GRICUA website. A contact person and contact phone number was listed on the notice to ensure a clear line of communication for public input. (See Appendix C for a copy of the posted public notice and website notice.) GRICUA intends to act upon comments and suggestions from its customers to the extent permitted. At its monthly meeting, the GRICUA Board discussed the development of GRICUA's IRP. The draft IRP was presented to the GRICUA Board at its regular meeting on January 5, 2009. After discussion and the opportunity for public comment, the GRICUA Board authorized the preparation of a final IRP, with such revisions, as the GRICUA Board deemed appropriate. There were no public comments.

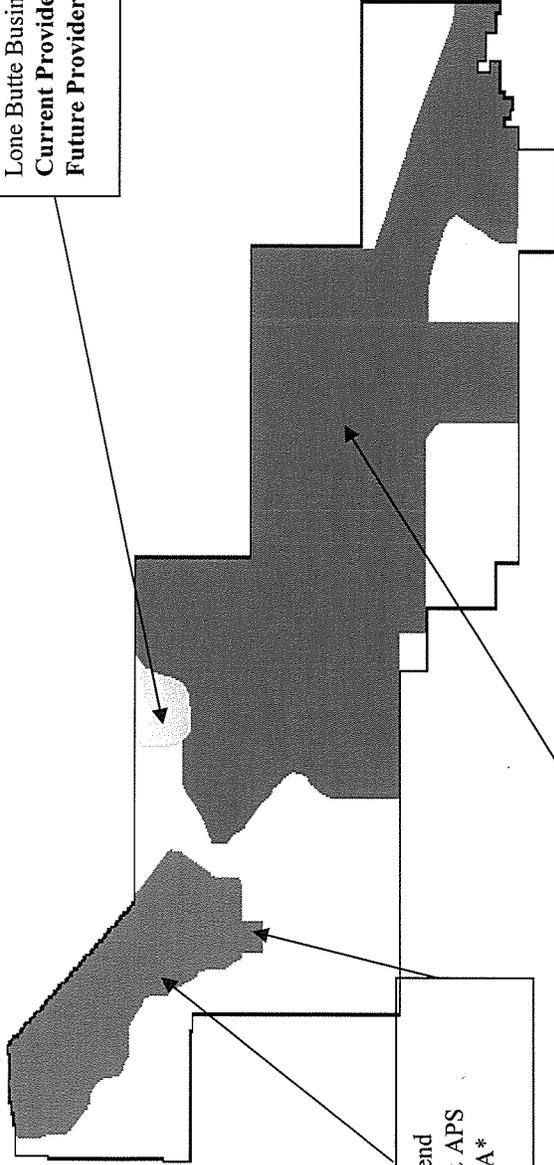
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17

**Appendix A - Map of Gila River Indian Community Utility  
Authority Service Area**

Appendix A  
 Map Of  
 Gila River Indian Community Reservation  
 Utility Service Areas

**Location:** GRICUA Wild Horse Pass & Lone Butte Business park  
**Current Provider:** GRICUA  
**Future Provider:** GRICUA \*



**Location:** SRP/APS Westend  
**Current Provider:** SRP & APS  
**Future Provider:** GRICUA \*

**Location:** SCIP/GRICUA East Area of GRIC Reservation  
**Current Provider:** SCIP & GRICUA  
**Future Provider:** GRICUA \*

**Key**

- SRP Westend
- APS Westend
- GRICUA Wild Horse Pass & Lone Butte Business Park
- SCIP/GRICUA
- Unshaded area to be served by GRICUA

\*Per Council adopted Community-wide Energy Plan

## **Appendix B - Current Rates**

# **GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY**

## **ELECTRIC RATES**

Schedule No. E-901  
Revision No. 1  
Effective: October 15, 2008  
with Oct 1, 2009 PPA  
adjustment

### **INTERIM STANDARD RESIDENTIAL SERVICE**

#### **AVAILABILITY:**

In all territory served by GRICUA 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 supplied at one point of delivery and measured through one meter, for residential service. Electric service to joint residences and commercial facilities, including well pumps over 1.0 HP, must have separate services or be served under the applicable commercial rate. This rate is not applicable to breakdown, standby, supplementary, commercial, or resale service.

#### **TYPE OF SERVICE:**

Sixty hertz alternating current, single-phase, 120/240 volts as available within the vicinity of customer's premises.

#### **CONDITIONS:**

Customers requiring additional interconnection, metering, or other equipment beyond what is necessary for GRICUA to provide basic service applicable under this schedule will be required to pay GRICUA for the costs of such additional equipment. The type of meter is solely determined by GRICUA based on customer usage and type of service. GRICUA may require prepaid metering for residential service.

#### **MINIMUM BILL:**

The greater of:

1. The Monthly Service Charge, or
2. A minimum monthly dollar amount specified in a written Agreement for Electric Service, if any.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-901  
Revision No. 1  
Effective: October 1, 2008  
with Oct 1, 2009 PPA  
adjustment

### INTERIM STANDARD RESIDENTIAL SERVICE

#### ADJUSTMENTS

1. GRICUA may increase or decrease billings under this schedule in proportion to any taxes, fees, or charges levied or imposed by any governmental authority and payable by GRICUA for any services, power, or energy provided under this schedule.
2. If the cost of purchased power increases, or decreases, such increase or decrease will be passed through directly to the customers.

#### RULES AND REGULATIONS:

1. Service under this schedule is in accordance with the terms and conditions established by the Gila River Indian Community Utility Authority.

#### MONTHLY RATE:

The monthly schedule for this class of service shall consist of a summation of the following costs based on usage.

	<u>Summer</u> <sup>i</sup>	<u>Winter</u> <sup>ii</sup>
A. Monthly Service Charge	\$12.00	\$12.00
B. Energy, Delivery, and System Charges		
First 50 kWh	\$0.000	\$0.000
Next 500 kWh	\$0.120	\$0.120
All kWh above 550 kWh	\$0.090	\$0.090
C. Fuel Cost Adjustment for all kWh <sup>iii</sup>	\$ 0.0123	\$ 0.0123

<sup>i</sup> Summer is defined as May through October billing cycles.

<sup>ii</sup> Winter is defined as November through April billing cycles.

<sup>iii</sup> GRICUA may increase or decrease the price of the Fuel Cost Adjustment based on changes in the cost of purchased power.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-100  
Revision No. 4 with October  
1, 2008 FCA adjustment

Original Effective Date: July 31, 1997

## GENERAL SERVICE

### AVAILABILITY:

In all territory served by GRICUA 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 supplied at one point of delivery and measured through one meter, for commercial, business, professional, small industrial and recreational facilities whose monthly maximum demand is less than 750 kW. Not applicable to breakdown, standby, supplementary, residential, or resale service. This schedule applies to any service for which no other standard price plan is available.

### TYPE OF SERVICE

Sixty hertz alternating current, three-phase or single-phase, at GRICUA's standard voltages that are available within the vicinity of customer's premises.

### CONDITIONS:

Customers requiring additional interconnection, metering, or other equipment beyond what is necessary for GRICUA to provide basic service applicable under this schedule will be required to pay GRICUA for the costs of such additional equipment. The type of meter is solely determined by GRICUA based on customer usage and type of service. GRICUA may require demand metering for any service.

### MINIMUM BILL

The greater of:

1. The Monthly Service Charge or
2. A minimum monthly dollar amount specified in a written Agreement for Electric Service, if any.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-100  
Revision No. 4

Original Effective Date: July 31, 1997

## GENERAL SERVICE

### DETERMINATION OF DEMAND IN KW

The greater of:

1. The billing demand, when applicable, is the maximum fifteen-minute integrated kilowatt demand occurring during the billing cycle, as measured by the meter.
2. The minimum kW specified in the agreement for service or individual customer's contract.
3. 80% of the highest kW measured during the six (6) summer months (May-October) of the 12 months ending with the current month.

### ADJUSTMENTS

1. GRICUA may increase or decrease billings under this schedule in proportion to any taxes, fees, or charges levied or imposed by any governmental authority and payable by GRICUA for any services, power, or energy provided under this schedule.
2. If the power factor falls below 85 percent lagging at any metering point during any billing period, GRICUA may:
  - a. Adjust kilowatt-hour and/or kilowatts during this period, for billing purposes, to equal 85 percent of kilovolt-ampere-hours and 85 percent of kilovolt-amperes.
  - b. Require the customer to correct the power factor to an acceptable level.
  - c. Require the customer to be continuously metered with a meter that registers kilovolt-amperes, kilovars, or actual power factor. At GRICUA's discretion, customer may be required to pay all costs associated with additional metering.
3. If, at any time, the current in any phase exceeds the average of the currents in the three phases by more than 5 percent, at GRICUA's option, GRICUA may increase the bill for the period during which the imbalance occurs by a percentage equal to the imbalance.
4. For customers metered for billing purposes at primary voltage, GRICUA will deduct 1 percent of the demand and energy charges from each billing. Primary voltage is defined as the same voltage found at the low side of the applicable substation transformer, typically 12.47 kV. The deduction does not apply to monthly service charges, facilities charges (where applicable), taxes, penalties, fees, or other adjustments.
5. If SRP increases, or decreases, the cost of fuel to GRICUA, such increase or decrease, will be passed through directly to its customers.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-100

Revision No. 4

Original Effective Date: July 31, 1997

## GENERAL SERVICE

### RULES AND REGULATIONS:

1. Service under this schedule is in accordance with the terms and conditions established by the Gila River Indian Community Utility Authority.

### MONTHLY RATE:

The monthly schedule for this class of service shall consist of a summation of the following costs based on usage.

	<u>Summer<sup>i</sup></u>	<u>Winter<sup>ii</sup></u>
A. Monthly Service Charge	\$ 115.00	\$ 115.00
B. Energy, Delivery, and System Charges per kWh		
All kWh	\$ 0.0385	\$ 0.0359
C. Fuel Cost Adjustment per kWh <sup>iii</sup>	\$ 0.0368	\$ 0.0336
D. Demand Charge per kW	\$ 10.00	\$ 11.00

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<sup>i</sup> Summer is defined as May through October billing cycles.

<sup>ii</sup> Winter is defined as November through April billing cycles.

<sup>iii</sup> GRICUA may increase or decrease the price of the Fuel Cost Adjustment based on changes in the cost of purchased power.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-150  
Revision No. 4 with  
October 1, 2008 FCA  
adjustment

Original Effective Date: May 31, 2001

### LARGE GENERAL SERVICE Multi-Metered

#### AVAILABILITY:

In all territory served by GRICUA 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 supplied at one premise and measured through up to six meters such that the electric service measured by each meter shall be combined for billing purposes unless otherwise specified by the individual customer's contract, for commercial, business, professional, small industrial and recreational facilities whose monthly maximum demand is 750 kW or more for three (3) consecutive months in any continuous twelve (12) month period ending with the current month. Not applicable to breakdown, standby, supplementary, residential, or resale service. This schedule applies to any service for which no other standard price plan is available.

#### TYPE OF SERVICE

Sixty hertz alternating current, three-phase, at GRICUA's standard voltages that are available within the vicinity of customer's premises.

#### CONDITIONS:

Customers requiring additional interconnection, metering, or other equipment beyond what is necessary for GRICUA to provide basic service applicable under this schedule will be required to pay GRICUA for the costs of such additional equipment. The type of meter is solely determined by GRICUA based on customer usage and type of service. GRICUA may require demand metering for any service.

#### MINIMUM BILL

The greater of:

1. The Monthly Service Charge or
2. A minimum monthly dollar amount specified in a written Agreement for Electric Service, if any.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-150

Revision No. 4

Original Effective Date: May 31, 2001

### LARGE GENERAL SERVICE MULTI-METERED

#### DETERMINATION OF DEMAND IN KW

The greater of:

1. The billing demand, when applicable, is the maximum fifteen-minute integrated kilowatt demand occurring during the billing cycle, as measured by the meter.
2. The minimum kW specified in the agreement for service or individual customer's contract.
3. 80% of the highest kW measured during the six (6) summer months (May-October) of the 12 months ending with the current month.

#### ADJUSTMENTS

1. GRICUA may increase or decrease billings under this schedule in proportion to any taxes, fees, or charges levied or imposed by any governmental authority and payable by GRICUA for any services, power, or energy provided under this schedule.
2. If the power factor falls below 95 percent lagging at any metering point during any billing period, GRICUA may:
  - a. Adjust kilowatt-hour and/or kilowatts during this period, for billing purposes, to equal 95 percent of kilovolt-ampere-hours and 95 percent of kilovolt-amperes.
  - b. Require the customer to correct the power factor to an acceptable level.
  - c. Require the customer to be continuously metered with a meter that registers kilovolt-amperes, kilovars, or actual power factor. At GRICUA's discretion, customer may be required to pay all costs associated with additional metering.
3. If, at any time, the current in any phase exceeds the average of the currents in the three phases by more than 5 percent, at GRICUA's option, GRICUA may increase the bill for the period during which the imbalance occurs by a percentage equal to the imbalance.
4. For customers metered for billing purposes at primary voltage, GRICUA will deduct 1 percent of the demand and energy charges from each billing. Primary voltage is defined as the same voltage found at the low side of the applicable substation transformer, typically 12.47 kV. The deduction does not apply to monthly service charges, facilities charges (where applicable), taxes, penalties, fees, or other adjustments.
5. If SRP increases, or decreases, the cost of fuel to GRICUA, such increase, or decrease, will be passed through directly to its customers.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-150

Revision No. 4

Original Effective Date: May 31, 2001

### LARGE GENERAL SERVICE MULTI-METERED

#### RULES AND REGULATIONS:

1. Service under this schedule is in accordance with the terms and conditions established by the Gila River Indian Community Utility Authority.

#### MONTHLY RATE:

The monthly schedule for this class of service shall consist of a summation of the following costs based on usage.

	<u>Summer<sup>i</sup></u>	<u>Winter<sup>ii</sup></u>
A. Monthly Service Charge	\$1,150.00	\$1,150.00
B. Energy, Delivery, and System Charges per kWh		
All kWh	\$ 0.0315	\$ 0.0289
C. Fuel Cost Adjustment per kWh <sup>iii</sup>	\$ 0.0368	\$ 0.0336
D. Demand Charge per kW	\$ 9.00	\$ 12.00

<sup>i</sup> Summer is defined as May through October billing cycles.

<sup>ii</sup> Winter is defined as November through April billing cycles.

<sup>iii</sup> GRICUA may increase or decrease the price of the Fuel Cost Adjustment based on changes in the cost of purchased power.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-170  
Effective: Rev 2, with  
October 1, 2008 FCA  
adjustment

Original Effective Date: May 1, 2006

## LARGE GENERAL SERVICE

### AVAILABILITY:

In all territory served by GRICUA 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 supplied at one point of delivery and measured through one meter for commercial, business, professional, small industrial and recreational facilities whose monthly maximum demand is 750 kW or more for three (3) consecutive months in any continuous twelve (12) month period ending with the current month. Not applicable to breakdown, standby, supplementary, residential, or resale service. This schedule applies to any service for which no other standard price plan is available.

### TYPE OF SERVICE

Sixty hertz alternating current, three-phase, at GRICUA's standard voltages that are available within the vicinity of customer's premises.

### CONDITIONS:

Customers requiring additional interconnection, metering, or other equipment beyond what is necessary for GRICUA to provide basic service applicable under this schedule will be required to pay GRICUA for the costs of such additional equipment. The type of meter is solely determined by GRICUA based on customer usage and type of service. GRICUA may require demand metering for any service.

### MINIMUM BILL

The greater of:

1. The Monthly Service Charge or
2. A minimum monthly dollar amount specified in a written Agreement for Electric Service, if any.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-170

Effective: October 1, 2008

Original Effective Date: May 1, 2006

### EXTRA LARGE GENERAL SERVICE

#### DETERMINATION OF DEMAND IN KW

The greater of:

1. The billing demand, when applicable, is the maximum fifteen-minute integrated kilowatt demand occurring during the billing cycle, as measured by the meter.
2. The minimum kW specified in the agreement for service or individual customer's contract.
3. 80% of the highest kW measured during the six (6) summer months (May-October) of the 12 months ending with the current month.

#### ADJUSTMENTS

1. GRICUA may increase or decrease billings under this schedule in proportion to any taxes, fees, or charges levied or imposed by any governmental authority and payable by GRICUA for any services, power, or energy provided under this schedule.
2. If the power factor falls below 95 percent lagging at any metering point during any billing period, GRICUA may:
  - a. Adjust kilowatt-hour and/or kilowatts during this period, for billing purposes, to equal 95 percent of kilovolt-ampere-hours and 95 percent of kilovolt-amperes.
  - b. Require the customer to correct the power factor to an acceptable level.
  - c. Require the customer to be continuously metered with a meter that registers kilovolt-amperes, kilovars, or actual power factor. At GRICUA's discretion, customer may be required to pay all costs associated with additional metering.
3. If, at any time, the current in any phase exceeds the average of the currents in the three phases by more than 5 percent, at GRICUA's option, GRICUA may increase the bill for the period during which the imbalance occurs by a percentage equal to the imbalance.
4. For customers metered for billing purposes at primary voltage, GRICUA will deduct 1 percent of the demand and energy charges from each billing. Primary voltage is defined as the same voltage found at the low side of the applicable substation transformer, typically 12.47 kV. The deduction does not apply to monthly service charges, facilities charges (where applicable), taxes, penalties, fees, or other adjustments.
5. If SRP increases, or decreases, the cost of fuel to GRICUA, such increase or decrease, will be passed through directly to its customers.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-170

Effective: October 1, 2008

Original Effective Date: May 1, 2006

### EXTRA LARGE GENERAL SERVICE

#### RULES AND REGULATIONS:

1. Service under this schedule is in accordance with the terms and conditions established by the Gila River Indian Community Utility Authority.

#### MONTHLY RATE:

The monthly schedule for this class of service shall consist of a summation of the following costs based on usage.

	<u>Summer</u> <sup>i</sup>	<u>Winter</u> <sup>ii</sup>
A. Monthly Service Charge	\$1,150.00	\$1,150.00
B. Energy, Delivery, and System Charges per kWh		
All kWh	\$ 0.0315	\$ 0.0289
C. Fuel Cost Adjustment per kWh <sup>iii</sup>	\$ 0.0368	\$ 0.0336
D. Demand Charge per kW	\$ 9.00	\$ 12.00

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i Summer is defined as May through October billing cycles.

ii Winter is defined as November through April billing cycles.

iii GRICUA may increase or decrease the price of the Fuel Cost Adjustment based on changes in the cost of purchased power.

# GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY

## ELECTRIC RATES

Schedule No. E-156  
Revision No. 1 with Nov  
October 2008 PPA  
adjustment

Original Effective Date: March 1, 2005

## STREET LIGHTING

### AVAILABILITY:

This rate is available to governments and Tribal agencies and Tribal owned enterprises served by the Gila River Indian Community Utility Authority (GRICUA) at all points where facilities of adequate capacity and the required phase and suitable voltage are available within the vicinity of the lighting installation.

### APPLICATION:

To unmetered electric lighting controlled by a photo cell device. Includes lighting for roadways, public parking lots, public thoroughfares, walkways, and lighted street signs.

### TYPE OF SERVICE

Sixty hertz alternating current, three-phase or single-phase, at GRICUA's standard voltages

### CONDITIONS:

1. GRICUA reserves the right to require metering at all installations
2. Equipment Charges:
  - a. For GRICUA owned and maintained lighting equipment, monthly Equipment Charges as listed below will apply based on the customer's initial investment amount.
  - b. If the customer chooses to provide, install, and maintain customer owned equipment, the Equipment Charges will not apply. Customer owned lighting under this rate is subject to approval by GRICUA prior to customer installation of the equipment. GRICUA will not be responsible for construction costs incurred by the customer for facilities that are not approved.
3. GRICUA will use high pressure sodium lamps for all new and replacement lamps.
4. Monthly bills will not be reduced because of lamp outages or temporary turnoffs.
5. The customer must notify GRICUA whenever any equipment or facilities which will utilize unmetered electricity are changed or added to the system. Failure to do so will result in back billing of connection fees and

- energy charges from the initial date of operation and, at GRICUA's option, assessment of an additional fee of \$150.00 for each unmetered installation (light fixture) or device not reported.
6. For customer owned lighting, the point of connection/delivery for underground installations is at the base of the pole in an underground connection box. The point of connection/delivery for overhead service is the attachment point.
  7. In addition to the energy, equipment, and facilities charges in this rate, the customer will be responsible for paying GRICUA for any line extensions and/or equipment required to provide service.
  8. Relocation of GRICUA owned facilities will be done at cost to the requesting party when agreeable to GRICUA.
  9. No attachments or alterations to GRICUA owned equipment is permitted without the written authorization of GRICUA.
  10. Additions to or conditions relating to the street lighting system other than those contained herein will be by supplemental agreement between the customer and GRICUA.
  11. Items for which no equipment charge has been included in the Equipment Charge section below (or applicable riders) will be billed at a charge determined by GRICUA, subject to ratification or retroactive adjustment by Tribal Council within one year from the date of initiation of the charge.
  12. Customer must indemnify GRICUA against any harm, loss, or damage resulting from customer-owned equipment to which energy is supplied. The indemnification provision is to be contained in a written agreement between GRICUA and the customer.
  13. All units in the schedule and riders may not be available for new installations or represent all the options available to the customer. Availability of equipment may vary.
  14. The customer will be required to enter a written contract for Equipment Charges when the lighting installation is owned and maintained by GRICUA. The initial term of the contract shall be for 20 years. A customer may cancel a lighting contract by paying the monthly bill including applicable tax adjustment, multiplied by the number of remaining months of the agreement, or by paying the straight line depreciated cost of GRICUA's initial installation and current removal costs of the light fixtures and associated facilities, whichever is lower.

#### MINIMUM BILL

The greater of:

1. The Monthly Service Charge (if any), the Facilities Charge, Equipment Charges, and the Energy Charge per luminaire, or
2. A minimum monthly dollar amount specified in a written Agreement for Electric Service, if any.

ADJUSTMENTS

1. GRICUA may increase or decrease billings under this schedule in proportion to any taxes, fees, or charges levied or imposed by any governmental authority and payable by GRICUA for any services, power, or energy provided under this schedule.

RULES AND REGULATIONS:

1. Service under this schedule is in accordance with the terms and conditions established by the Gila River Indian Community Utility Authority.

EQUIPMENT CHARGE

Equipment charges are included on the customer's bill for lighting installations that are owned and maintained by GRICUA. Pricing is on a monthly basis. Options 1 prices apply where the customer did not pay the initial costs for the lighting installation. Option 2 prices apply where the customer paid the initial costs for lighting installation.

**Option 1: (HPS Lamps Only)**

	<u>Luminaries</u>	<u>Monthly Price</u>
Style I: Streamlined		
(Under 20,000 Lumens)		\$ 5.46
(20,000 Lumens and Above)		\$ 6.40
Style II: Early American		\$ 6.24
Style III: Contemporary		\$ 6.40
Style IV: Architectural		
(Under 20,000 Lumens)		\$ 7.28
(20,000 Lumens and Above)		\$ 8.22
Style V: Flood		\$ 7.12
	<u>Poles</u>	
Group I: (Under 24' Steel)		\$ 4.52
Group II: (24'-31' Steel)		\$ 6.24
Group III: (32'-50' Steel)		\$ 7.54
Group IV: (30' Wood )		\$ 7.18
Group V: (35' Wood)		\$ 9.15
Group VI: (40' Wood)		\$11.44
	<u>Parking Lot Lights</u>	
Style I: Dome, Disk, or Box		\$11.18
Group I: (Up to 23' Round Steel with Concrete Pedestal)		\$ 6.60
Group II: (Up to 28' Square Steel with Concrete Pedestal)		\$ 8.22
	<u>Mastarms</u>	
Nonstandard		\$ 1.56
Standard		No Charge

**Option 2: (HPS Lamps Only)**

<u>Luminaries</u>	<u>Monthly Price</u>
Style I: Streamlined (Under 20,000 Lumens)	\$2.44
(20,000 Lumens and Above)	\$2.91
Style II: Early American	\$2.81
Style III: Contemporary	\$3.59
Style IV: Architectural (Under 20000 Lumens)	\$3.07
(20000 Lumens and Above)	\$3.43
Style V: Flood	\$2.96

<u>Poles</u>	
Group I: (Under 24' Steel)	\$1.51
Group II: (24' - 31' Steel)	\$1.98
Group III: (32'-50' Steel)	\$2.34
Group IV: (All wood)	\$3.64

<u>Parking Lot Lights</u>	
Style I: Dome, Disk, or Box	\$4.06
Group I: (Up to 23' Round Steel with Concrete Pedestal)	\$2.03
Group II: (Up to 28' Square Steel with Concrete Pedestal)	\$2.44

<u>Mastarms</u>	
Nonstandard	\$1.04
Standard	No Charge

**Equipment Charges for Obsolete Equipment****Option 1: (MV Lamps Only)**

<u>Luminaries</u>	<u>Monthly Price</u>
Style I: Streamlined (Under 10,000 Lumens)	\$4.32
(10,000 Lumens and Above)	\$4.89
Style II: Early American	\$3.70
Style III: Contemporary	\$3.60
Style IV: Open Bottom	\$4.68

**Option 2: (MV Lamps Only)**

<u>Luminaries</u>	<u>Monthly Price</u>
Style I: Streamlined (Under 10,000 Lumens)	\$2.44
(10,000 Lumens and Above)	\$2.95
Style II: Early American	\$1.98
Style III: Contemporary	\$1.87

MONTHLY RATE: The monthly schedule for this class of service shall consist of a summation of the following costs.

	<u>Summer</u> <sup>i</sup>	<u>Winter</u> <sup>ii</sup>
A. Monthly Service Charge	\$ 0.00	\$ 0.00
B. Facilities Charge per month	\$ 2.33	\$ 2.33
C. Equipment Charge per month	\$ see Equipment Charge list above	
D. Energy, Delivery, and System Charges per kWh		
All estimated kWh <sup>iii</sup>	\$0.0192	\$0.0192
E. Purchased Power Adjustment per kWh <sup>iv</sup>		
All estimated kWh	\$0.0368	\$0.0336

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i Summer is defined as May through October billing cycles.

ii Winter is defined as November through April billing cycles.

iii GRICUA will estimate the average yearly number of hours that each luminaire will consume energy

iv GRICUA may increase or decrease the price of Purchased Power based on changes in the average cost of purchased power.

## Appendix C - Public Notice

### GILA RIVER INDIAN COMMUNITY UTILITY AUTHORITY NOTICE

On or before January 15, 2009, GRICUA will be submitting its Integrated Resource Plan with the Western Area Power Administration in accordance with the Energy Planning and Management Program requirements. The Integrated Resource Plan details GRICUA's general power resource plan for the next five years. A draft Integrated Resource Plan is available to the public and written comments regarding the draft Integrated Resource Plan will be accepted until January 8, 2009. Please contact William Pezalla with any related questions (520-796-0600) and/or written comments (6640 W. Sundust Rd., Chandler, AZ 85226-5264).

