



**2011 SCHOOLS AND GOVERNMENT PROGRAM
PHOTOVOLTAIC SYSTEM (GRID-TIED)
PRODUCTION BASED INCENTIVE RESERVATION
APPLICATION**

This Incentive Program is funded by APS customers and approved by the Arizona Corporation Commission

Is this a revision of a previously submitted reservation application? Yes No

In order to qualify for a production based incentive under the Schools and Government Program, the total incentive over the lifetime of the project must be over \$75,000. Projects not meeting this requirement may apply for funding using our Non-Residential Up-Front Incentive program application.

RESERVATION APPLICATION

APS Customer Name GILA COUNTY
(This should be the customer name as shown on APS bill for this location. If the name you want is different than what APS has in our system, please contact the APS customer care center at 602-371-7171 and make the account name change PRIOR to submitting the reservation application).

Division of Government name or School District Name: Pavson Courthouse 2

Installation Address 714 S Beeline Hwy Ste 4 Pavson, AZ

County : GILA

Is the property: Owned Leased

If leased, a Landlord-Tenant rider will also be required and must be submitted with the application (located at www.aps.com/gosolar).

APS Account Number * 643532284 Meter Number * (6 digits) P19946
(Meter Number associated with installation address)

Are you a: School or Government Entity

Is this system applying for the 2011 Solar Daylighting Deployment Drive reimbursement**? Yes No

* If there is currently no electrical service at the installation site, please leave account and meter number blank and check here.

**For details on the Solar Daylighting Deployment Drive, please email SolarSchoolGovt@aps.com

APS CUSTOMER CONTACT INFORMATION (Please Note: installer/dealer contact information requested on next page)

APS Customer Contact Name Gila County Public Works Diana Jones Email: djones@co.gila.az.us

Business Phone 928-402-8516 Alternate Phone N/A

Fax Number 928-425-8104

Mailing Address 1400 E. Ash Street Globe, Arizona 85501
(No P.O. Boxes, please - must be able to receive FedEx deliveries at this address)

Is the Customer a dealer or manufacturer of any of the components proposed in the qualifying system, or an employee of a dealer or manufacturer? Yes No

If customer is a dealer, employee of, or a manufacturer of the system components, system costs are limited to actual costs rather than retail.

Is the Customer the primary occupant at the site location? **XXX** Yes No

If not, are you the landlord or owner? Yes No

***NOTE:** All school PV systems participating in the 2011 APS Schools and Government Solar program will be required to install an *APS "Mission: Sustainability" School Kiosk* prior to incentive payment being requested. For a list of supplied materials and a marketing guide for *the APS "Mission: Sustainability" School Kiosk*, please contact **Jon Higuchi at Jon.Higuchi@aps.com**.

INSTALLER INFORMATION

Installer Name (please supply full legal name) Renewable Energy Contracting division of Ironco Enterprises

Contact Name Robert Olson Email Robert.Olson@ironco.net

Telephone (602) 243-5750 x127 Fax (602) 243-5764

Mailing Address 1025 E Broadway Rd, Phoenix, AZ 85040

Installer's Arizona Registrar of Contractors (AZROC) License Information

Number 252666 Class B1 Expiration 2/1/2013

EQUIPMENT DEALER INFORMATION (If same as installer, check here **XXX**)

Dealer Name (please supply full legal name) _____

Contact Name _____ Email _____

Telephone _____ Fax _____

Mailing Address _____

Dealer's Arizona Registrar of Contractors (AZROC) License Information

Number _____ Class _____ Expiration _____

SYSTEM OWNER INFORMATION (if different than customer)

Company Name (please supply full legal name) A special purpose LLC owned by Tioga Energy, Inc

Contact Name Marc Roper, Vice President of Sales & Marketing Email mroper@tiogaenergy.com

Telephone (415) 625-0700 Fax (415) 513-1645

Mailing Address 123 Mission Street, 9th Floor, San Francisco, CA 94105

SYSTEM INFORMATION [Please contact your dealer/installer if unsure of the information to provide in this section]

Estimated Installation Date 8/11/2011 Is this a system expansion? Yes **XXX** No

(For Production Based Incentives, the system must be installed within 365 days from date of reservation. Allowing for engineering, permitting and interconnection approvals, what is the realistic estimated date of installation?)

If you plan for the system to be installed in 2011, the following year-end interconnect deadlines apply:

1. **October 7, 2011:** interconnection application with full set of diagrams must be submitted
2. **November 4, 2011:** diagrams must be approved
3. **November 18, 2011:** scheduling of inspection must be confirmed

Estimated number of PV Panels 26 PV Module Manufacturer Kyocera

Model # KD235gx-LB

UL Listing UL 1703

What is the DC watt rating per panel? 235

Estimated number of Inverters 1

Inverter Manufacturer PV Powered

Model #(s) PVP10WAC

UL Listing UL 19940

What is the AC watt rating of each inverter? 10

Estimated Total Project Costs* and system installation 60000

* Total Project Costs is defined in the Credit Purchase Agreement and may include eligible financing, if applicable.

APS Compensation for Excess Production from PV System:

Please indicate your rate plan choice for any excess kWh production that will be delivered to the APS distribution system by your PV system. Please note that the rate chosen below is not a guarantee, but will be confirmed during the review process.

XXX EPR-6 (Energy sent back to the APS grid will appear as a kWh credit on your bill, often called "net metering". Any unused kWh credits that appear in the last billing cycle of the year will be paid out at a wholesale price) **NOTE: In order to qualify for this rate, the total AC inverter rating(s) CANNOT exceed 125% of the customer's metered peak demand during the last twelve months. Note, this Net-Metering rider is not available to Schools on the GS-SCHOOLS M or GS-SCHOOLS L rate schedule.**

EPR-2 (Energy sent back to the APS grid will be purchased by APS at a wholesale price, often called "net billing")

SC-S (If your inverter size is 100 kWac or larger and you are not using EPR-6, you must select the Standard Contract-Solar, or SC-S, rate. Energy sent back to the APS grid will be purchased by APS at the EPR-2 price, but additional standby charges may also apply based on customer demand.)

Rate schedules are posted at www.aps.com or call 602-328-1924.

POTENTIAL ADDITIONAL CHARGES:

Additional charges could include, but are not limited to:

- Upgrades to APS existing infrastructure required to support customer project
- Additional equipment required based on size or design of system
- RTUs as required by the interconnection study group

A copy of APS's Interconnection Requirements can be found at http://www.aps.com/main/green/choice/choice_79.html

INCENTIVE REQUEST

Please review the following information prior to completing the Incentive Request below. Payment of the requested incentive is subject to the following Incentive Program guidelines:

Funding reservations for production-based incentives are awarded on a competitive basis. For more detailed information, please see the decision process on the APS website at www.aps.com/gosolar under the appropriate program and technology. The per kWh incentive levels listed below are **maximum** amounts available. Because this is a competitive process, requesting less than the maximum amount will typically provide a more competitive ranking score.

Requested Renewable Energy Credit (REC) Agreement Term Incentive:

XXX 15-Year-\$0.171/kWh

20-Year-\$0.155/kWh

The following information is REQUIRED to process your application:

1. Most recent 12 month usage history (kWh) for the meter the system is interconnecting to at the installation site: 12,165 kWh (If this is new construction, please provide an annual use estimate along with supporting documentation such as E-sheets from your electrical engineer).
2. Highest Peak demand (kW) during the most recent 12 month usage history: 10 est kW
3. Proposed kWdc System Size: 6 kWdc
4. Proposed System Inverter Size: 10 kWac (Maximum 2MWac)

5. System Size: 6 kWdc x Estimated Annual kWh per kWdc*: 1470 = Anticipated Annual kWh Production** 8820 kWh per year

*** Please include PV Watts calculation Sheet (<http://rredc.rirel.gov/solar/calculators/PVWATTS/versiori2/>)**

7. Estimated kWh per kW according to PVWatts2 (please attach) 1453 kWh per kW
8. Anticipated Annual kWh Production 8820 x \$ 0.171 per kWh (REC Term Incentive)
= Estimated Annual Incentive Payment \$ 1508.22
9. For School Districts, what is your Project Ranking Matrix total?: 0

****NOTE: Annual system production CANNOT exceed annual metered consumption**

ASSIGNMENT OF PAYMENT

Will payment be assigned to an installer, dealer or manufacturer of the qualifying system? Yes No If yes, please provide the following information:

Name of Assignee: A special purpose LLC owned by Tioga Energy, Inc

Mailing Address: 123 Mission Street, 9th Floor, San Francisco, CA 94105

CONFIDENTIALITY

Neither Party shall disclose any non-public, confidential or proprietary information relating to the Reservation (the "Confidential Information") to any third party (other than the Party's employees, lenders, counsel, accountants or advisors who have a need to know such information and have agreed to keep such terms confidential) without the other Party's prior written consent. In the event that any Party becomes legally compelled (by deposition, interrogatory, request for documents, subpoena, civil investigative demand or similar process) to disclose any Confidential Information, the legally compelled Party shall give the other Party providing such Confidential Information prompt prior written notice of such requirement so that the providing Party may seek a protective order or other appropriate remedy and/or waive compliance with this Confidentiality provision. In the event that such protective order or other remedy is not obtained, the providing Party waives compliance with the terms hereof with respect to such Confidential Information.

Each Party acknowledges that the unauthorized disclosure of any Confidential Information may cause irreparable harm and significant injury that may be difficult to ascertain. Each Party therefore agrees that specific performance or injunctive relief, in addition to other legal and equitable relief, are appropriate remedies for any actual or threatened violation or breach of the provisions of this Paragraph, although neither Party shall be entitled to any special, consequential, indirect or punitive damages as a result of a breach of the provisions of this Paragraph, whether a claim is based in contract, tort, or otherwise.

Have you provided the required attachments?

- PV Watts calculation sheet (<http://rredc.mel.gov/solar/calculators/PVWATTS/version2/>)
- Project Ranking Matrix Sheet (only necessary for School Districts)
- A written system description
- A Landlord-Tenant Rider, if applicable
- If this is new construction, supporting documentation for estimated annual usage

If your reservation is approved, please note the following timelines:

1. You are required to submit a copy of a Qualified Provider document within 30 days of reservation approval to signify that a developer has been selected.
2. Your signed Credit Purchase Agreement must be returned to APS within 60 days of submission of the Qualified Provider document.
3. Submittal of an Interconnection Application within 90 days of reservation date
4. A progress update is required at 150 days from reservation date, including status of the following:
 - a. Interconnection Application
 - b. Local permitting applications
 - c. Equipment orders
5. System must be installed within 365 days from reservation date.

Projects not meeting timelines may be cancelled. If extenuating circumstances exist, you may request consideration for an extension by contacting APS at SolarSchoolGovt@aps.com. If your project requires outside financing, it should be secured at the beginning of the application process. Please note that extensions will not be granted for lack of secured financing.

This Reservation Request and any attachments provided supersede all prior Reservation Requests submitted for the installation address listed on the first page of this document and for this particular technology.

Please note that this is a CUSTOMER program, and the signature required is that of the of APS customer of record. By signing below, customer acknowledges that all application information and all required documents provided have been submitted in good faith.

CUSTOMER:

Gila County
Name (Please Print)

Michael A. Pastor, Chariman
Title/Business Name

Signature

4/19/2011
Date

In order for an application to be submitted, please submit this request electronically to SolarSchoolGovt@aps.com. Once the application is received, a confirmation email will be sent to the e-mail address from which the application was sent. If a confirmation response is not received within five days, you should contact APS by sending a follow-up email to SolarSchoolGovt@gjaps.com.

APS will not accept incomplete applications. Please note:

- APS is not responsible for applications not received due to an undeliverable email address
- A reservation application will not be accepted unless it is signed by the APS customer of record
- A reservation application must be received by the nomination period deadline (which ends the last BUSINESS day of the month - weekends are not included in the deadline period)



AC Energy & Cost Savings



(Type comments here to appear on printout; maximum 1 row of 90 characters.)

Station Identification	
Cell ID:	0187374
State:	Arizona
Latitude:	32.7 ° N
Longitude:	110.6 ° W
PV System Specifications	
DC Rating:	1.00 kW
DC to AC Derate Factor:	0.770
AC Rating:	0.77 kW
Array Type:	Fixed Tilt
Array Tilt:	10.0 °
Array Azimuth:	213.0 °
Energy Specifications	
Cost of Electricity:	9.2 ¢/kWh

Results			
Month	Solar Radiation (kWh/m ² /day)	AC Energy (kWh)	Energy Value (\$)
1	3.98	90	8.29
2	4.64	94	8.66
3	5.82	129	11.89
4	6.98	147	13.54
5	7.52	157	14.47
6	7.70	152	14.01
7	6.84	140	12.90
8	6.28	130	11.98
9	6.16	126	11.61
10	5.25	112	10.32
11	4.40	95	8.75
12	3.58	81	7.46
Year	5.77	1453	133.88

Output Hourly Performance Data

Output Results as Text