

1 **BEFORE THE ARIZONA CORPORATION COMMISSION**

2 COMMISSIONERS

3 KRISTIN K. MAYES, Chairman
4 GARY PIERCE
5 PAUL NEWMAN
6 SANDRA D. KENNEDY
7 BOB STUMP

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AZ CORP COMMISSION
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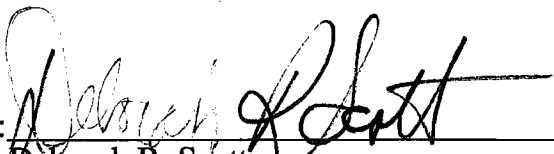
7 IN THE MATTER OF THE APPLICATION
8 OF ARIZONA PUBLIC SERVICE
9 COMPANY FOR APPROVAL OF A
10 DISTRIBUTIVE ENERGY INITIATIVE:
11 THE COMMUNITY POWER PROJECT –
12 FLAGSTAFF PILOT

DOCKET NO. E-01345A-09-0227

**NOTICE OF ISSUANCE OF
TECHNICAL SPECIFICATIONS**

12 Arizona Public Service Company (“APS” or “Company”) hereby provides notice that
13 on April 14, 2010, the Company issued the technical specifications for the Community Power
14 Project – Flagstaff Pilot, as required by the Arizona Corporation Commission’s decision in
15 this matter. A copy of the technical specifications, which is attached as Exhibit A, has been
16 provided to industry participants and stakeholders. Therefore, pursuant to the terms of the
17 Commission decision in this matter, the 120-day window that installers have to seek out
18 participants in APS’s Community Power Project begins April 15, 2010 and ends August 13,
19 2010.

20 RESPECTFULLY SUBMITTED this 14th day of April, 2010.

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23 By: 
24 Deborah R. Scott
Attorney for Arizona Public Service Company

25 ORIGINAL and thirteen (13) copies
26 of the foregoing filed this ~~14th~~ day of
27 April, 2010, with:

28 Docket Control
ARIZONA CORPORATION COMMISSION
1200 West Washington Street
Phoenix, Arizona 85007

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AZ CORP COMM
Director Utilities

1 COPY of the foregoing hand-delivered,
2 e-mailed and/or mailed this 14th day
3 of April, 2010, to:

3 Lyn Farmer
4 Chief Administrative Law Judge
5 Hearing Division
6 Arizona Corporation Commission
7 1200 West Washington
8 Phoenix, Arizona 85007

7 Janice Alward, Chief Counsel
8 Legal Division
9 Arizona Corporation Commission
10 1200 West Washington
11 Phoenix, Arizona 85007

11 Steve Olea, Director
12 Utilities Division
13 Arizona Corporation Commission
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25 Mr. Scott Wakefield
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28 Phoenix, Arizona 85004-1052

1 Mr. Adam Browning
Executive Director
2 The Vote Solar Initiative
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3 San Francisco, California 94107

4 Mr. David L. Townley
5 Vice President, US Sales & Marketing
Infinia Corporation
6 6811 West Okanogan Place
7 Kennewick, Washington 99336

8 Mr. Herbert Abel
9 Chief Executive Officer
Green Choice Solar
10 15344 North 83rd Way, Suite 101
11 Scottsdale, Arizona 85260

12 Industry Participants and Stakeholders

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EXHIBIT A

**ARIZONA PUBLIC SERVICE COMPANY
TECHNICAL SPECIFICATIONS FOR THE COMMUNITY POWER PROJECT –
FLAGSTAFF PILOT
APRIL 14, 2010**

The Arizona Corporation Commission (“Commission”), at the Open Meeting held on April 1, 2010, approved Arizona Public Service Company’s (“APS” or “the Company”) request to initiate a pilot project that will, as one phase of the project, place solar photovoltaic panels on the rooftops of APS residential customers served through a specific distribution feeder in the city of Flagstaff, Arizona. One of the main purposes of the Community Power Project – Flagstaff Pilot (“Pilot”) is to gather empirical data regarding the impact of a high concentration of renewable distributed energy systems on a “smart” electrical distribution grid.

One goal of the Pilot is to place approximately 200 residential rooftop photovoltaic systems, equivalent to 600 kW of resource capacity, on residences served by the Sandvig 4 feeder in the City of Flagstaff. In the Open Meeting, the Commission directed APS to move forward with the placement of 100 of these systems on residential customer rooftops and to provide third-party providers the opportunity to solicit customers on the Sandvig 4 feeder. In accordance with the Commission’s decision, APS is hereby offering third-party providers and/or installers a 120-day window to seek out participants along this feeder in order to place up to 100 additional residential rooftop systems. At the end of the 120-day window, APS will place any remaining systems.

To ensure the integrity of the field study and the ability to gather consistent data from third party systems, installations must meet the Company’s technical specifications for the Pilot. These specifications are attached.

The 120-day period for third-party providers/installers to solicit participants ends **Friday, August 13, 2010.**

If you have any questions regarding the Community Power Project – Flagstaff Pilot, please visit www.aps.com/CommunityPower.

**Arizona Public Service Company
 Technical Specifications for the Community Power Project - Flagstaff Pilot
 MINIMUM REQUIREMENTS**

Program Requirements

Must comply with APS Distributed program requirements for installation, interconnection, etc
 Must comply with all applicable local, state, and federal requirements, codes, and standards for electrical, structural, OSHA, etc.
 Must comply with sound industry practices and all additional standards such as NEC, IEEE

PV System Minimum Requirements

Nominal System Size (kW AC)	2 kW, 3 kW, 4 kW (+/- 300 Watts)
Annual kWh ac/kW dc	1586 kWh ac/kW dc ; no more than -2% degradation per year
Average Monthly kWh ac/kW dc	132

Module

Manufacturer	Sharp, Kyocera, BP, Evergreen Solar, REC Solar
Cell Type	Crystalline Silicon (Multi or Poly)
Module Efficiency (%)	13% Min
Module Weight (lbs)	47 lbs max
Operating Temperature (min °C)	-40°C
Operating Temperature (max °C)	80°C
UL Listing	UL 1703
Warranty on Power Output (years)	25
Warranty on Material & Workmanship (years)	5

Mounting

Manufacturer	ProSolar, Unirac
Rail Material	metal (coating acceptable)
Stand-Off Height (in) Asphalt/Concrete	3" - 4"
Standard Warranty (years)	10
Warranty for finish/coating (years)	10

Inverter

Manufacturer	Fronius, SMA, PV Powered, Xantrex, Sharp (no micro inverters)
UL Listing	UL 1741
CEC Weighted Efficiency (%)	94% min
Standard Warranty (years)	10
Max DC Input Voltage (VOC)	600v

Data Acquisitions support

1 extra 1 inch conduit for running cabling environmental sensor to roof
 Room for mounting extra data acquisitions box (dimensions to be determined)
 Installation must support a replacement of the generation meter with APS's AML meter