



0000149485

1 Thomas A. Loquvam, AZ Bar No. 024058
 2 Deborah R. Scott, AZ Bar No. 012128
 3 Pinnacle West Capital Corporation
 4 400 North 5th Street, MS 8695
 5 Phoenix, Arizona 85004
 6 Tel: (602) 250-3630
 7 Fax: (602) 250-3393
 8 E-Mail: Thomas.Loquvam@pinnaclewest.com
 9 Deborah.Scott@pinnaclewest.com

RECEIVED

2013 NOV 12 P 3:41

AZ CORP COMMISSION
DOCKET CONTROL

Attorneys for Arizona Public Service Company

BEFORE THE ARIZONA CORPORATION COMMISSION

COMMISSIONERS

10 BOB STUMP, Chairman
 11 GARY PIERCE
 12 BRENDA BURNS
 13 ROBERT L. BURNS
 14 SUSAN BITTER SMITH

15 IN THE MATTER OF THE APPLICATION OF
 16 ARIZONA PUBLIC SERVICE COMPANY
 17 FOR APPROVAL OF NET METERING COST
 18 SHIFT SOLUTION

DOCKET NO. E-01345A-13-0248

**APS NOTICE OF FILING DATA
REQUESTS AND RESPONSES**

19 In response to the letter from Commissioner Susan Bitter Smith requesting parties
 20 to file all data requests and responses in this docket, APS hereby files its responses to
 21 The Alliance for Solar Choice's First Set of Data Requests.

RESPECTFULLY SUBMITTED this 12th day of November, 2013.

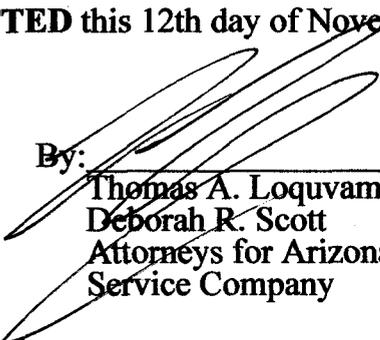
Arizona Corporation Commission

DOCKETED

NOV 12 2013

DOCKETED BY 

By:


 Thomas A. Loquvam
 Deborah R. Scott
 Attorneys for Arizona Public
 Service Company

1 ORIGINAL and thirteen (13) copies
2 of the foregoing filed this 12th day of
3 November 2013, with:

4 Docket Control
5 ARIZONA CORPORATION COMMISSION
6 1200 West Washington Street
7 Phoenix, Arizona 85007
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

Copies of the foregoing delivered this
12th day of November, 2013 to:

Janice Alward
Legal Division
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007

Bradley Carroll
Tucson Electric Power Company
88 East Broadway Blvd.
Mail Stop HQE910
Tucson, AZ 85701

Giancarlo Estrada
Attorney for IREC
Estrada Legal, PC
One East Camelback Road, Suite 550
Phoenix, AZ 85012

Lyn Farmer
Administrative Law Judge
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007

Kevin Fox
Keyes & Fox LLP
5727 Keith Avenue
Oakland, CA 94618

Todd Glass
Attorney
Wilson, Sonsini Goodrich & Rosati, PC
701 Fifth Ave., Suite 5100
Seattle, WA 98104

Hugh Hallman
Attorney
Hallman & Affiliates, PC
2011 N. Campo Alegre Rd., Suite 100
Tempe, AZ 85281

W.R. Hansen
Sun City West Property Owners
13815 W. Camino Del Sol
Sun City, AZ 85375

Gary Hays
Attorney for AZ Solar Deployment Alliance
Law Offices of Gary D. Hays, PC
1702 E. Highland Ave, Suite 204
Phoenix, AZ 85016

Timothy Hogan
Attorney
Arizona Center for Law in the Public Interest
202 E. McDowell Road, Suite 153
Phoenix, AZ 85004

Mark Holohan
Chairman
AriSEIA
2221 W. Lone Cactus Drive, Suite 2
Phoenix, AZ 85027

Patty Ihle
304 E. Cedar Mill Road
Star Valley, AZ 85541

Lewis Levenson
1308 E Cedar Lane
Payson, AZ 85541

Tim Lindl
Attorney
Keyes, Fox & Weidman LLP
436 14th Street, Suite 1305
Oakland, CA 84612

Copies of the foregoing delivered this
12th day of November, 2013 to:

Steve Olea
Utilities Division
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007

Greg Patterson
Attorney
Munger Chadwick
2398 E. Camelback Road, Suite 240
Phoenix, AZ 85016

Court Rich
Attorney
Rose Law Group, P.C.
202 E. McDowell Road, Suite 153
Phoenix, AZ 85250

Erica Schroeder
Attorney
Keyes, Fox & Weidman, LLP
436 14th Street, Suite 1305
Oakland, CA 94612

Michael Patten
Attorney
Roshka DeWulf & Patten, PLC
One Arizona Center, 400 E. Van Buren Street,
Suite 800
Phoenix, AZ 85004

Daniel Pozefsky
Chief Counsel
RUCO
1110 W. Washington
Phoenix, AZ 85007

Kimberly Ruht
Attorney
TEP
P.O. Box 711
Tucson, AZ 85702

John Wallace
Grand Canyon State Electric Cooperative
120 North 44th Street, Suite 100
Phoenix, AZ 85034

**THE ALLIANCE FOR SOLAR CHOICE
TASC'S FIRST SET OF DATA REQUESTS
REGARDING THE APPLICATION OF ARIZONA PUBLIC SERVICE
COMPANY FOR APPROVAL OF NET METERING COST SHIFT SOLUTION
DOCKET NO. E-01345A-13-0248
NOVEMBER 1, 2013**

TASC 1.1: Beginning with the July 2012 billing period and ending with the June 2013 billing period, please identify and provide for each month the average of the monthly bill total for all residential customers that utilize solar photovoltaic generating technology to take service pursuant to Arizona Public Service Company's ("Company") Net Energy Metering rate rider (EPR-6).

If billing statement information is not available for the requested time period, please identify and provide the requested calculation based on the most recent consecutive 12-month period for which customer billing statement information is available.

Response: The requested information is provided below. Please note this information only reflects partial year solar billing impacts for many customers.

APS also provided monthly customer billing information for calendar year 2012 for customers that participated in the EPR-6 net metering program for the entire 12 months. APS believes that this full-year information better reflects the annual billing impacts for the net metering program. Please refer to the response to Staff 1.41.

Month	EPR-6 Residential Average Bill
Jul-12	114.44
Aug-12	128.75
Sep-12	116.04
Oct-12	76.63
Nov-12	45.63
Dec-12	55.68
Jan-13	73.87
Feb-13	56.60
Mar-13	39.84
Apr-13	31.95
May-13	45.03
Jun-13	70.77
Annual Average	71.27

**THE ALLIANCE FOR SOLAR CHOICE
TASC'S FIRST SET OF DATA REQUESTS
REGARDING THE APPLICATION OF ARIZONA PUBLIC SERVICE
COMPANY FOR APPROVAL OF NET METERING COST SHIFT SOLUTION
DOCKET NO. E-01345A-13-0248
NOVEMBER 1, 2013**

TASC 1.2: Please identify every solar PV facility that is no more than 5 MW in capacity that has interconnected to APS's sub-transmission system since 2000. For each facility, please identify the generating capacity, year in which the interconnection was approved, and whether APS has entered a power purchase agreement for the purchase of facility output.

Response: The approximately 36,000 interconnected solar PV distributed generation facilities that are 5 MW or less, along with their capacity and date of interconnection, can be found on the Arizona Goes Solar website at this link:

<http://www.arizonagoessolar.org/UtilityIncentives/ArizonaPublicService.aspx>

For the installations included on the above website, APS purchases power from those that subscribe to the Company's Net Metering Rate Schedule EPR-6 and the Company's Net Billing Rate Schedule EPR-2.

The table below identifies additional non-residential interconnected systems that are not included on the Arizona Goes Solar website. APS has not conducted an analysis determining which of the identified systems are specifically connected at the Company's sub-transmission (12 kV) system.

Facility	Capacity (kW)	Date of Interconnection	Power Purchase Agreement?
Gilbert Nature Center	144.00	02/01/2001	No
Embry Riddle University	30.40	04/01/2001	No
Yucca Power Plant	120.96	01/01/2002	No
Scottsdale Water Campus West (Phase I)	134.40	04/01/2002	No
Scottsdale Water Campus East (Phase II)	27.00	04/01/2002	No
MTB1 Prescott Airport	151.20	12/01/2002	No
MTA2 Prescott Airport	120.96	12/01/2002	No
MTA3 Prescott Airport	120.96	12/01/2002	No
Scottsdale Covered Parking	6.00	01/03/2003	No
MTA1 Prescott Airport	120.96	02/03/2003	No
502 Canopy	7.92	04/07/2003	No
MTA5 Prescott Airport	151.20	05/07/2003	No
MTA6 Prescott Airport	151.20	05/07/2003	No
MTB3 Prescott Airport	151.20	05/07/2003	No
ADEQ Covered Parking	04.00	06/01/2003	No
MTA7 Prescott Airport	151.20	06/30/2003	No

**THE ALLIANCE FOR SOLAR CHOICE
TASC'S FIRST SET OF DATA REQUESTS
REGARDING THE APPLICATION OF ARIZONA PUBLIC SERVICE
COMPANY FOR APPROVAL OF NET METERING COST SHIFT SOLUTION
DOCKET NO. E-01345A-13-0248
NOVEMBER 1, 2013**

Facility	Capacity (kW)	Date of Interconnection	Power Purchase Agreement?
MTA8 Prescott Airport	151.20	06/30/2003	No
MTB4 Prescott Airport	151.20	06/30/2003	No
MTB5 Prescott Airport	117.60	06/30/2003	No
TT1 Prescott Airport	57.60	02/04/2004	No
MTA9 Prescott Airport	172.80	10/04/2004	No
MTB6 Prescott Airport	72.80	10/04/2004	No
MTA10 Prescott Airport	172.80	04/08/2005	No
MTB7 Prescott Airport	89.00	06/08/2005	No
Yuma Wetlands	86.40	09/03/2005	No
MTB8 Prescott Airport	89.00	09/14/2005	No
MTA11 Prescott Airport	91.10	12/30/2005	No
MTB9 Prescott Airport	89.00	12/30/2005	No
MTA12 Prescott Airport	191.10	02/01/2006	No
STAR OPV3	0.95	12/20/2006	No
Chase Field Solar Pavilion	78.96	05/20/2011	No
US Airways Center	227.48	08/04/2011	No
Ajo	4,500.00	9/2011	Yes
Cromer Elementary	471.38	03/01/2012	No
Doney Park Renewable Energy Site	598.18	03/30/2012	No
MTA4 Prescott Airport	64.50	12/20/2012	No
MTB2 Prescott Airport	64.50	12/20/2012	No
Bisbee High School	413.84	2012	No
Douglas High School	547.33	2012	No
Greenway Elementary School	117.18	2012	No
Lowell Junior High School	157.68	2012	No
Paul Huber Middle School	101.36	2012	No
Stevenson Elementary School	101.36	2012	No
Tombstone High School	317.81	2012	No
Walter J. Meyer Elementary School	130.15	2012	No
Copper Rim Elementary School	273.46	2012	No
High Desert Middle School	341.93	2012	No
Young Elementary School 1	48.86	2012	No
Young Elementary School 2	57.01	2012	No
Ehrenberg Elementary School	49.85	2012	No
Quartzsite Elementary School	49.97	2012	No
Palo Verde Elementary School Addition	235.15	2012	No
Palo Verde Elementary School Main	93.42	2012	No
Evergreen Elementary School	296.35	2012	No
Mesquite Elementary School	335.01	2012	No
Ray 1 Elementary School	223.53	2012	No

THE ALLIANCE FOR SOLAR CHOICE
TASC'S FIRST SET OF DATA REQUESTS
REGARDING THE APPLICATION OF ARIZONA PUBLIC SERVICE
COMPANY FOR APPROVAL OF NET METERING COST SHIFT SOLUTION
DOCKET NO. E-01345A-13-0248
NOVEMBER 1, 2013

Facility	Capacity (kW)	Date of Interconnection	Power Purchase Agreement?
Ray 2 Primary School	206.70	2012	No
Ray 3 High School	354.82	2012	No
Beaver Creek 1	127.08	2012	No
Beaver Creek 2	47.04	2012	No
Beaver Creek 3	47.04	2012	No
Cottonwood Elementary School	202.97	2012	No
Cottonwood Middle School	243.26	2012	No
Coyote Springs Elementary School	350.77	2012	No
Dr. Daniel Bright School	316.55	2012	No
Glassford Hills Middle School	350.77	2012	No
Granville Elementary School	350.11	2012	No
Lake Valley Elementary School	266.91	2012	No
Liberty Traditional School	233.08	2012	No
Mountain View Elementary School	233.08	2012	No
Oak Creek Elementary School	35.51	2012	No
Dateland Elementary School Addition	114.87	2012	No
Dateland Elementary School Main	114.87	2012	No
Southwest Junior High School	512.17	2012	No
Arizona Desert Elementary School	608.10	10/2013	No
Cesar Chavez Elementary School	379.11	10/2013	No
Desert View Elementary School	379.11	10/2013	No
Kofa High School	617.42	10/2013	No
Vista Alternative School	263.72	10/2013	No
Yuma High School	263.72	10/2013	No

**THE ALLIANCE FOR SOLAR CHOICE
TASC'S FIRST SET OF DATA REQUESTS
REGARDING THE APPLICATION OF ARIZONA PUBLIC SERVICE
COMPANY FOR APPROVAL OF NET METERING COST SHIFT SOLUTION
DOCKET NO. E-01345A-13-0248
NOVEMBER 1, 2013**

TASC 1.3: Please state the average price per kwh paid in each of the years 2010, 2011 and 2012 for power output from the facilities identified in answering TASC 1.2. Please also provide the lowest and highest price paid in each of the years 2010, 2011 and 2012 for power output from the facilities identified in answering TASC 1.2.

Response: Only one of the solar facilities provided in the response to TASC 1.2 sold power to APS under a purchase power agreement. This information is competitively confidential and therefore cannot be provided.

The remaining solar facilities participated in APS' net metering program, Rate Schedule EPR-6, or the net billing program, Rate Schedule EPR-2. The average price per kWh that APS paid for the output of these systems would include the kWh charges in the retail rate and applicable adjustor rates, the kW charges multiplied by the amount that the solar units reduced each customer's monthly demands, and the avoided cost purchase rate for any excess generation that was not net metered. APS has not performed this calculation, and therefore the information is not available.

THE ALLIANCE FOR SOLAR CHOICE
TASC'S FIRST SET OF DATA REQUESTS
REGARDING THE APPLICATION OF ARIZONA PUBLIC SERVICE
COMPANY FOR APPROVAL OF NET METERING COST SHIFT SOLUTION
DOCKET NO. E-01345A-13-0248
NOVEMBER 1, 2013

TASC 1.4: Please provide the number of customers that took service under Net Energy Metering rate rider (EPR-6) that had annual net excess generation in each of the years 2010, 2011 and 2012. Please also provide the total number of customers that took service under Net Energy Metering rate rider (EPR-6) in each of the years 2010, 2011 and 2012.

Response: Please find the requested information below.

Year	Customers taking service under Rate Schedule EPR-6 at end of year	Number of customers with annual net excess generation as defined in the Commission's Net Metering Rules
2010	4,770	3,045
2011	8,457	5,423
2012	14,524	10,114