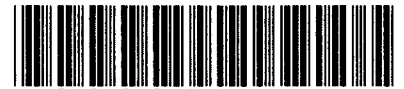


ORIGINAL

OPEN MEETING AGENDA ITEM



0000149753

COMMISSIONERS
BOB STUMP – Chairman
GARY PIERCE
BRENDA BURNS
BOB BURNS
SUSAN BITTER SMITH



ARIZONA CORPORATION COMMISSION

RECEIVED
AZ CORP COMMISSION
DOCKET CONTROL

2013 DEC 3 AM 9 24

MEMO

To: Arizona Corporation Commission, Docket Control
From: Office of Commissioner Susan Bitter Smith
Date: December 3, 2013
Re: Arizona Public Service
E-01345A-13-0248

Arizona Corporation Commission
DOCKETED
DEC 03 2013

DOCKETED BY	
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Commissioner Bitter Smith's office has received approximately 500 emails regarding the above captioned docket. The documents can be viewed in Docket Control or online on the eDocket website.

Comments
W-01345A-13-0248

PART 1 OF 2
BARCODE # 0000149753

To review Part 2 please see:

BARCODE # 0000149762

November 15, 2013

Merle Sloan
3755 W. Eva St.
Phoenix, AZ 85051

Ms. Susan Bittersmith
Commissioner
Arizona Corporation Commission
1200 W. Washington St.
Phoenix, Arizona 85007

Dear Commissioner Bittersmith:

I have been following the current Solar and net metering issue very closely and to be truthful with you I can see both sides of the issue and I don't have any idea what the solution to the problem is.

I would ask you to please consider the following when APS comes to the commission seeking a rate increase and net metering adjustments.

When the Palo Verde Nuclear plant was being built, the parent company (I believe Pinnacle West at the time), went before the corporation commission and requested a rate hike which was granted.

The main reason for the rate hike was to have the consumers pay construction costs of Palo Verde before it was in production.

This was done so that the investors didn't have to absorb these costs initially.

Since APS is complaining about how unfair it is for the solar users to not pay for the power grid, I would ask them how fair was it to make the rate payers pay for construction costs of Palo Verde while it was still under construction.

At the time the rate payers were not supposed to pay anything for Palo Verde until it was completed and online, yet they managed to ram these costs down the rate payers throats, just so the shareholders could realize a return on their investments.

I currently reside in an SRP area, however my in-laws live in an APS area and someday my family may wind up in an APS service area.

I was seriously considering of installing solar units on my home, but now I'm not so sure that I will do that.

What I do know is that APS has some of the highest power rates here in Arizona and if they keep going up, someday I might not be able to afford the power for my home.

Thank you for your most valuable time and attention.

Sincerely

A handwritten signature in cursive script that reads "Merle Sloan".

Merle Sloan

PRINT • MAIL • FULFILLMENT



Arizona Corporation Commissioners
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

Commissioners,

It has certainly been a challenging year for the Arizona Corporation Commission. With deregulation and net-metering issues, it seems that the spotlight has been on the Commission for most of 2013. It is my hope that as the Commission weighs it's options on how to best change the net-metering billing policies, they should do so with one thing in mind, and that is how to best serve Arizona ratepayers in the fairest way possible.

The fairest way would be for the Arizona Corporation Commission to make the net-metering process one where non-solar customers are not stuck paying for those with solar. It would be one thing if solar customers never used the grid, but they do. Therefore, it is only right that they pay their fair share for it.

I hope that you will consider all of Arizona's ratepayers when the time comes this week for a decision on this. Thank you for all the work that you do and the work that is still to be done.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian Cosner', written over a horizontal line.

Brian Cosner

15690 North 83rd Way, Suite A
Scottsdale, AZ 85260
480-948-3928 Fax: 480-948-0656
E-mail: info@AdvantageMail.Net
Website: www.AdvantageMail.Net

From the Desk of
William E. Lally

Dear Arizona Corporation Commissioners:

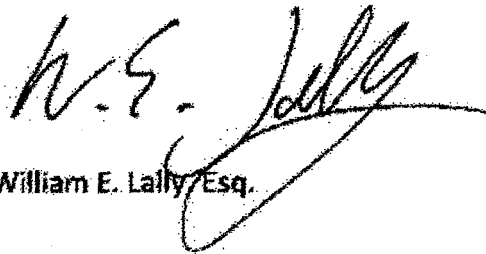
More and more solar panels are seen on rooftops of around Arizona. It is good to know that some can afford the initial cost and are reaping the monthly savings of their clean energy.

As an Arizona rate-payer who does not have solar power, I had trusted that my utility bills were fair and equitable reflection of the energy use in my home, but now I know that is not the case with the net-metering system which is current policy.

Solar customers avoid paying the costs of the grid operation. Infrastructure costs are being distributed to non solar customers using the grid as well. Under the current net metering policies, these solar customers continue to avoid costs on their utility bills as non solar customers have these costs embedded into their own utility bill. This system is unfair to ALL customers using the grid and surely calls for revision by the Arizona Corporation Commission.

I know you have many ongoing projects, but I'm sure you can agree that this issue needs to be addressed. I urge the Commission to continue to look for a resolution for the current net metering policies and work towards one that is fair and equal to all.

Sincerely,

A handwritten signature in black ink, appearing to read "W.E. Lally", with a long, sweeping underline that extends to the right.

William E. Lally Esq.

**CASSIDY CAMPANA
7449 E. EDWARD AVENUE
SCOTTSDALE AZ 85250**

**Arizona Corporation Commissioners
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007**

Commissioners,

You have probably heard from many Arizonans over this net-metering issue, so I apologize if I am adding to your pile of letters. I would just like to let you know that I believe Arizona ratepayers have a right to be treated fairly, and with current policies, they are currently not. You have a chance to correct this, and I hope that the Commission will.

Many arguments have been made on this issue, but I believe the most important one is that of equality. Solar users are, in fact, using the electric grid to supplement their energy needs. Therefore, they should have to pay for that infrastructure use. Currently, they are not. And the cost of that is being shifted, heavily so, onto those without solar panels on their roofs. This imbalance should not stand.

I know that this week is crucial to solar policy in Arizona. I also know that you will do the right thing and create policy that is fair to both sides.

Sincerely,



Cassidy Campana

7449 E. Edward Avenue

Scottsdale AZ 85250



Community Action Human Resources Agency

109 North Sunshine Blvd. • Eloy, AZ 85131
(520) 466-1112 • Fax (520) 466-0013



**It brings out the best
in all of us.**

November 6, 2013

Susan Bitter Smith
Commissioner
Arizona Corporation Commission
Commissioners Wings
1203 West Washington
Phoenix, AZ 85007

Dear Commissioner Bitter Smith,

As you consider making much-needed changes to Arizona's net metering policy, please contemplate ways to make net metering fair for all customers and rooftop solar sustainable for the long term.

Having a reliable electricity grid that is ready to provide reliable power around the clock is critically important to my organization, our clients and to our state, as is the development of solar energy.

As Executive Director of Community Action Human Resources Agency, an organization serving the limited income population in Pinal County, I am imminently aware of the barriers those we serve face on a daily basis. Therefore, I want to be sure those who cannot afford it, do not want or cannot have a solar rooftop system are protected from paying an unfairly high share for the costs of the grid. Our clients have limited income and therefore should not be subjected to paying higher fees. That can be accomplished by reforming net metering.

Arizona is nationally recognized as a solar leader, and we should continue to make sure solar energy grows and thrives in Arizona. But it makes no sense to let the net metering problem continue to get worse.

Let's find a solution that fixes the problem right the first time. And let's continue Arizona's solar leadership by reforming the current net metering policy. I appreciate the opportunity to voice my opinion.

Sincerely,

Mary Lou Rosales
Executive Director



People helping people since 1981



November 11, 2013

Commissioner Susan Bitter Smith
Arizona Corporation Commission
1300 W. Washington St.
Phoenix, AZ 85007

Dear Commissioner Smith:

Our understanding is that your commission will begin hearings this week on the APS proposal to adjust "net metering" for solar customers. Clearly the economics behind this are not readily apparent or understandable to the population at large. We received a recent mailing from an organization called The 60 Plus Association, Inc. which states that "for every \$3 in energy a solar customer sends back to the grid, they're given \$16 in credit..." (copy enclosed). We are solar customers. Our current bill includes 13 different line items of charges (not including taxes or fees), and none of them went to zero on a consistent basis after the installation of our system. So we are paying something, somewhere on that bill. The notion of being credited over five times as much as we deserve seems to involve some very creative accounting. The flyer also seems to imply a certain "class warfare," which we resent (if APS, and therefore ratepayer money, was used to pay for this ad, we resent that, as well).

News reports indicate that APS wants to impose a \$50 to \$100 monthly fee to every solar customer. Our bills before our installation did not show any line item for that much money except for generation of power during the summer months. We understand RUCO is proposing an \$8 "stop gap" charge until the next formal rate increase process.

While we value the service/product we receive from APS and do want to pay our "fair share" (if any), we do believe any charge in the range APS is reportedly proposing is just plain ludicrous. Furthermore, we believe that any change to existing practice should be included in the analyses and hearings that are part of a formal rate change request, so the information would be available to all in much greater detail. We have no choice but to trust your judgment in these matters.

Very truly yours,



Stanley R. Whitcomb
7354 E. Quail Track Rd
Scottsdale, AZ 85266-7605



Gladys M. Whitcomb



515 King Street, Suite 315
Alexandria, VA 22314

*****ECLLOT**R096

GLADYS M WHITCOMB
7354 E QUAIL TRACK RD
SCOTTSDALE AZ 85266-7605

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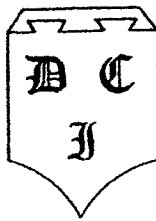
Paid for and Authorized by The 60 Plus Association, Inc.



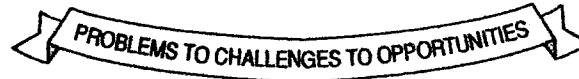
**THE PRICE YOU PAY FOR ELECTRICITY
IS ABOUT TO GO UP AGAIN!**

LEONARD L. DUEKER, P.E.
PRESIDENT

BARBARA G. DUEKER
VICE PRESIDENT



DCI, INC.
815 S. ROCHESTER
MFSA, AZ 85206-2749
(480) 218-5405



November 8, 2013

Commissioner Susan Bitter Smith
Arizona Corporation Commission
Commission Wing
1200 West Washington
Phoenix, AZ 85007-2996

Re: Rooftop Solar

Dear Commissioner Bitter Smith;

I have been reading the discussions concerning the methods proposed to provide Rooftop Solar Suppliers compensation for the excess energy they produce and the charge to them for use of an Electric Utility's System.

Thinking about the issue, I began to develop some ideas and finally got interested enough to produce the attached **DISCUSSION OF ROOF TOP SOLAR**.

First, let's look at **SCENARIO 1** – In this instance we are looking at the use of Solar in an area where there is no Electric Utility....say up in the mountains.....

Because the Solar Units produce no power at night or when it is cloudy, the owner must install a **BATTERY SYSTEM to STORE EXCESS ELECTRICITY** when there is more power produced than is being used. This stored power is then available for use when the Solar Units are not producing either enough power to meet the demand or are not producing any power.

Example **(A)** shows that the Solar Units are producing 4 kW, the home is using 3 kW and the excess of 1 kW is being STORED in the batteries.

Example **(B)** shows that the Solar Units are producing 2 kW, the home is using 3 kW and the batteries are providing 1 kW.

Example **(C)** shows that the Solar Units are producing 0 kW, the home is using 3 kW and the batteries are providing 3 kW, or all of the power required.

Example **(D)** shows that the Solar Units are producing 0 kW and the Batteries are **EMPTY..... IN WHICH CASE THE HOME IS WITH OUT POWER AND NONE OF ITS ELECTRIC COMPONENTS WILL OPERATE.**

Now, let's look at **SCENARIO 2** – In this instance we are looking at the use of Solar in an area where there is an Electric Utility....say in the Valley.....

Because the Solar Units produce no power at night or a reduced amount when it is cloudy, the owner must install a **BATTERY SYSTEM OR MAKE A CONNECTION to AN ELECTRIC UTILITY'S SYSTEM TO STORE EXCESS ELECTRICITY**, when there is more power produced than is being used. This stored electricity is then available for use when the Solar Units are not producing either enough power to meet the demand or are not producing any power.

Example (A) shows that the Solar Units are producing 4 kW, the home is using 3 kW and the excess of 1 kW is being STORED in the Utility's System. (See note 1, below)

Example (B) shows that the Solar Units are producing 2 kW, the home is using 3 kW and the Utility is providing 1 kW.

Example (C) shows that the Solar Units are producing 0 kW, the home is using 3 kW and the Utility is providing 3 kW, or all of the power required.

Example (D) shows that the Solar Units are producing 0 kW, and the home is using **3 KW.....WHICH THE UTILITY IS PROVIDING** IN WHICH CASE THE HOME HAS POWER AND ITS ELECTRIC COMPONENTS WILL OPERATE.

NOTE 1....In actuality the utility is not storing the excess power, because it has NO STORAGE CAPACITY.....IT MUST REDUCE THE AMOUNT OF POWER GENERATED AT A GENERATION STATION (COAL OR NATURAL GAS FIRED), AND THUS REDUCE THE AMOUNT OF FUEL CONSUMED.

DISCUSSION:

RATE CASE COMPONENTS

1. If the utility pays an **INCENTIVE** to the ROOF TOP SOLAR CUSTOMER, it is in effect a purchase of additional power. Not a very reliable power source, **HOWEVER!!** But the **INCENTIVE PAYMENT** would be added to the POWER SOURCE section of the depreciable assets of the Utility and included in the Rate Base.
2. The power used by the customer, when the Solar Units do not produce enough to meet the demand of the owner, would be billed at the Commission Approved rates for the type of customer.

NON-RATE CASE COMPONENTS

ALTERNATIVE A.....

COST TO ROOF TOP SOLAR PROVIDER

1. FUEL GENERATION FACILITIES...SEE NOTE1 above...Because the utility must reduce the power being placed into the system by all of its sources of power, to **MAKE ROOM FOR THE EXCESS POWER**, the utility can **ONLY** use fuel generation equipment. The REASON is that these Power Sources are the **ONLY** sources which can produce power at differing and adjustable rates of supply.

THEREFORE this component **WOULD BE BILLED TO THE PROVIDER AT A RATE PER KWH DELIVERED TO THE UTILITY'S SYSTEM.** The rate would be determined by dividing the ANNUAL profit, depreciation, maintenance and operating costs of ALL FUEL USING GENERATION EQUIPMENT by the total ANNUAL KWHs of power GENERATED BY THIS EQUIPMENT in the same year.

2. The ROOF TOP SOLAR PROVIDER IS delivering its excess power to the UTILITY'S Distribution and Transmission System. This system must make room for the excess power put into the Utility's system. If the systems customers do not use the excess, then the Transmission portion of the system must carry the power to the Fuel generators, which will receive the message and reduce the amount of power it is generating and placing in the distribution system.

THEREFORE THIS USE of the distribution and transmission system by the PROVIDER, **WOULD BE BILLED TO THE PROVIDER AT A RATE PER KWH DELIVERED TO THE UTILITY'S SYSTEM.** The rate would be determined by dividing the ANNUAL profit, depreciation, maintenance, and operating costs of the entire DISTRIBUTION AND TRANSMISSION system by the total ANNUAL KWHs of power sold BY THE UTILITY in that year.

REVENUE TO ROOF TOP SOLAR PROVIDER

1. The **UTILITY WILL PAY to the ROOF TOP SOLAR PROVIDER A RATE PER KWH FOR THE POWER DELIVERED TO THE UTILITY'S SYSTEM,** determined by dividing the ANNUAL FUEL costs of ALL FUEL USING GENERATION EQUIPMENT by the total ANNUAL KWHs of power GENERATED BY THIS EQUIPMENT in the same year.

ALTERNATIVE B.....

1. **ROOF TOP SOLAR PROVIDER. THE AGREEMENT BETWEEN THE TWO PARTIES WOULD PROVIDE THAT THE UTILITY WOULD NOT BILL OR PAY THE PROVIDER FOR ANY THING PROVIDED OR USED.**

OPTIONS

The ROOF TOP SOLAR PROVIDER MAY CHOSE TO PROVIDE POWER TO THE UTILITY EITHER USING "ALTERNATIVE A"— OR – "ALTERNATIVE B", when entering into the "AGREEMENT TO PROVIDE POWER TO THE UTILITY".

SHOULD ROOF TOP PROVIDERS BE INCLUDED IN A RATE CASE????????????

This DISCUSSION separates the issue into FOUR components...

FIRST---- CUSTOMER AND POWER PROVIDER COMPONENTS

SECOND---- RATE CASE AND NON-RATE CASE COMPONENTS

A HOME WITH A SOLAR INSTALLATION THAT WANTS TO CONNECT TO THE UTILITY'S SYSTEM IS BOTH A UTILITY CUSTOMER AND A POWER SUPPLIER.

By doing so, it becomes clear that **the SOLAR ROOF TOP PROVIDER COMPONENT SHOULD NOT BE CONSIDERED AS A PART OF A RATE CASE BECAUSE THE HOME OWNER IS CONTRACTING TO PROVIDE POWER TO THE UTILITY BY ENTERING INTO A CONTRACT WITH THE UTILITY TO PROVIDE POWER AND AT THE SAME TIME, AND ON A DIFFERENT FORM, APPLYING FOR ELECTRIC SERVICE TO HIS HOME. THEY ARE TWO DIFFERENT RELATIONSHIPS, ONE AS A PROVIDER AND ONE AS A CUSTOMER.**

INSTEAD it should be treated as a VERY UNIQUE PROCESS OF PURCHASING POWER.

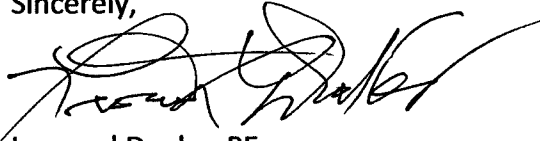
ONE IN WHICH THE UTILITY HAS NO CONTROL OVER WHEN AND AT WHAT RATE THE POWER IS SUPPLIED TO THE UTILITY.

Another possibility is that the solar industry market a solar with battery system, and the utility would be the BACK-UP when the solar and batteries cannot meet the demand.

I hope that this discussion will be of assistance to the Commission in this issue.

I am copying the other Commissioners and would be happy to meet with you or any of the other commissioners to discuss my thoughts.

Sincerely,

A handwritten signature in black ink, appearing to read "Leonard Dueker". The signature is stylized and cursive.

Leonard Dueker PE

President

DCI, INC.

Attachment: DISCUSSION OF ROOF TOP SOLAR

cc:

Chairman Bob Stump

Commissioner Brenda Burns

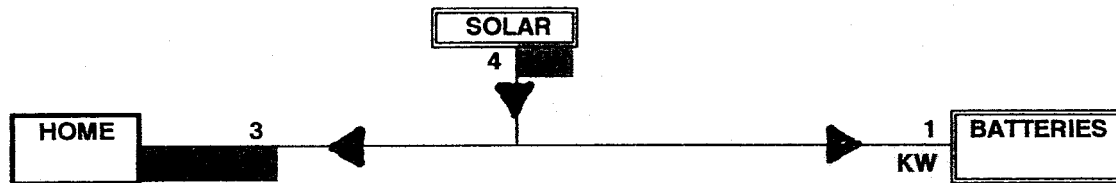
Commissioner Bob Burns

Commissioner Gary Pierce

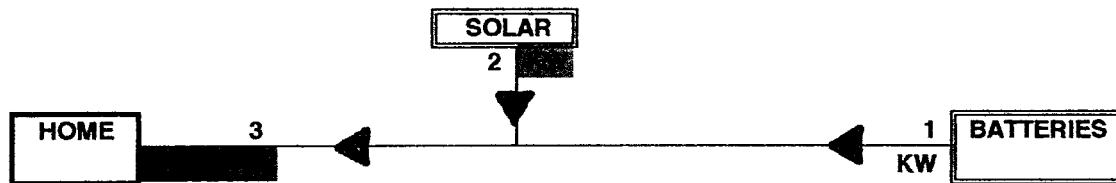
DISCUSSION OF ROOF TOP SOLAR

SCENARIO 1

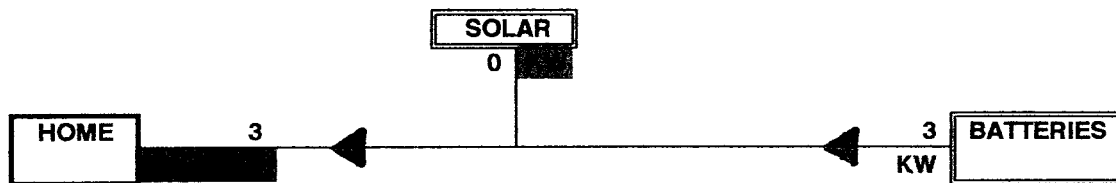
HOME IN AREA WHERE THERE IS NO ELECTRIC UTILITY



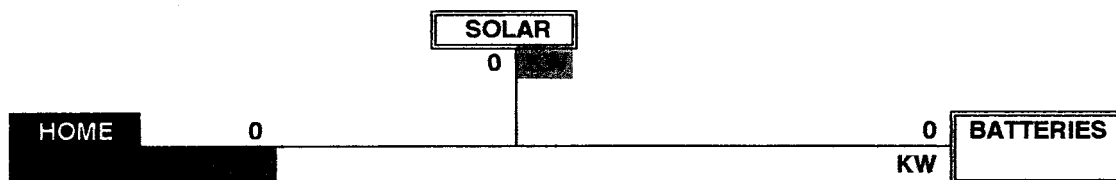
(A) SOLAR PRODUCING MORE ELECTRICITY THAN NEED



(B) SOLAR PRODUCING LESS ELECTRICITY THAN NEED



(C) SOLAR PRODUCING NO ELECTRICITY

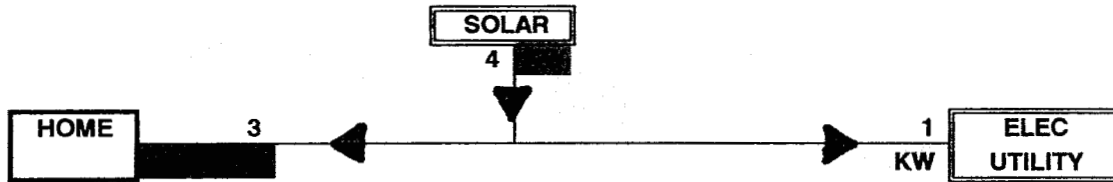


(D) SOLAR PRODUCING NO ELECTRICITY

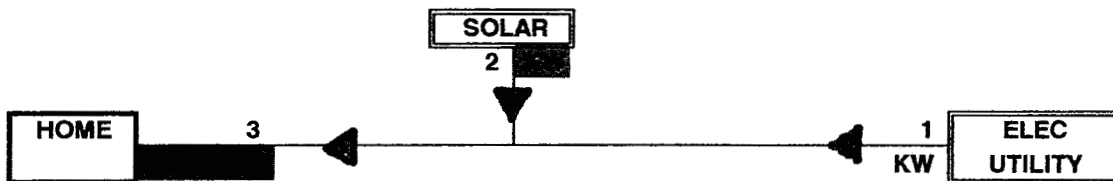
DISCUSSION OF ROOF TOP SOLAR

SCENARIO 2

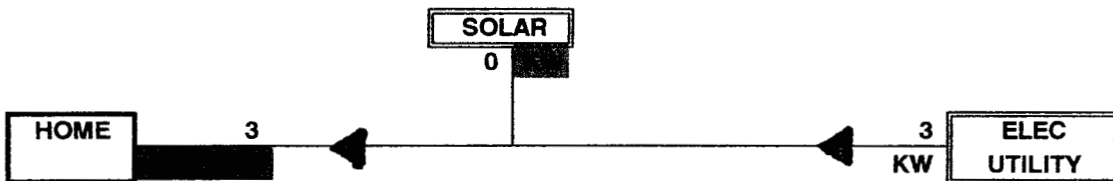
HOME IN AREA WHERE THERE IS AN ELECTRIC UTILITY



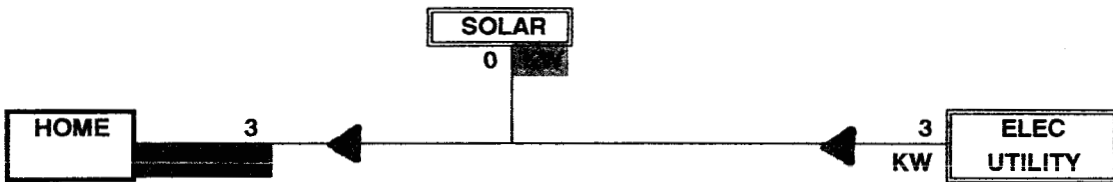
(A) SOLAR PRODUCING MORE ELECTRICITY THAN NEED



(B) SOLAR PRODUCING LESS ELECTRICITY THAN NEED



(C) SOLAR PRODUCING NO ELECTRICITY



(D) SOLAR PRODUCING NO ELECTRICITY

Landmark TCN



Arizona Corporation Commissioners
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

Commissioners,

This week, the Commission will face a very difficult decision in the way they set net-metering policies. It is my hope that above all, you choose what is fair and what is best for Arizona ratepayers as a whole.

There is no doubt that the solar industry has been helped by the Commission's policies. It has grown tremendously over the past 5 to 10 years. Revising the policies now is not only responsible, but is warranted, because Arizona's energy market is evolving, and we need to make sure that those past policies are still the best policies.

Arizonans without solar should not have to shoulder the costs of those with solar, especially since we are all using the same grid for their energy needs. I hope that the Commission keeps that in mind when they make this very critical decision this week.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Mellen", written over a large, circular scribble.

Andy Mellen

George Cuprak

6510 N 16th Drive
Phoenix, AZ 85015

Commissioners;

As an Arizona rate-payer, I would hope that my utility bills are a fair and equitable reflection of the energy use in my home, **but... that apparently is not the case with the current net-metering system now in place.**

Solar customers are currently being allowed to avoid paying their fair share of costs crucial to the grid's operation. Unfortunately, this means that these "avoided" infrastructure costs are now being shifted to other non solar customers using the grid... like myself!

Under the current net metering policies, these solar customers continue to avoid costs on their utility bills while I, and other non solar customers, have these costs embedded/added to our own utility bills.

This system is truly unfair to non solar customers using our electric grid and definitely calls for a prompt revision by the commission.

I hope you will agree that this issue regarding current net metering policies needs to be addressed and I urge the commission to find a solution.

We need a new policy that is fair and equal to all!

Sincerely,



George Cuprak

30 October 2013

**Subject: Support Rooftop Solar,
Docket No.E-01345A-13-0248...."Net Metering"**

Dear Decision Maker;

Greetings from sunny-dry Tucson! I am writing as a constituent to ask for you to support your staff's recommendation to reject APS's proposed dismantling of NET METERING.

I am a retired senior from cold Montana now living in Tucson with my 12 Solar Panels. I planned and saved for 15 years to have them installed. Now some think, they have the right to "tax the Sun" or change the net metering rate? I am curious to read your full opinion on this serious matter.

Good luck on your work in these challenging times. Enclosed more reading material for careful thought.

Sincerely YoursThomas Hughes

A handwritten signature in black ink, appearing to read "Thomas Hughes", written in a cursive style.

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Friday, October 04, 2013



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Arizona Fights for Its Solar Energy Rights

[Keally DeWitt](#)

August 14, 2013 | [14 Comments](#)

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Join the community!

Arizona [Public Service](#) (APS) recently proposed a drastic overhaul of net energy metering (NEM) policy in areas where it operates. APS's plan, submitted in July to the state's utility regulatory body — the [Arizona Corporation Commission](#) (ACC) would replace consumer-friendly NEM practices with terms — and economics — more favorable to the monopoly electricity provider.

APS's proposal, if approved by a majority of the five-member ACC, would mean "doomsday" for rooftop solar in Arizona.

APS has put forth two options to replace NEM policy. The first is to add a charge of \$50-\$100 or more to solar homeowners' bills for the 'use of the grid.' The second option is to credit solar homeowners at the wholesale rate, ignoring the fact that clean, local [energy](#) is worth more than fossil fuel-generated energy being transported hundreds of miles. Currently, wholesale value is a third to a quarter of retail. Both options would eliminate any financial benefits for homeowners, especially those in the working or middle classes, who want to control costs with rooftop solar.

The fate of rooftop solar, and the affordable, clean energy choice it represents, lies in the balance of the regulatory showdown unfolding in the Southwestern desert. APS-backed 'astroturf' (fake grassroots movements) front groups 60 Plus and Prosper HQ, have launched ads that attack average Arizonans who are trying to make good fiscal choices through solar. Using [outdated scare tactics](#) and [financial figures that have been publicly denounced](#), the groups appear to be blatantly lying to the public (and driving people crazy through [overplaying their ads on YouTube](#)).



[Keally DeWitt](#)

Keally DeWitt is Manager of Public Policy at Sunrun with

expertise in communications and campaign organizing. Previously, she ran consumer marketing at the largest integrator of renewable energy in the Northeast, Alteris Renewables, lectured...

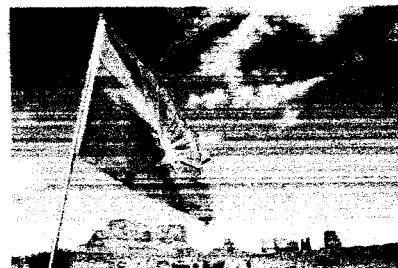
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IMAGE GALLERY



Stay Connected

Subject: A final push to save Arizona's rooftop solar!
From: Will Greene, Sierra Club (c+sierra@trusted-sender.convio.net)
To: tomphughes@yahoo.com;
Date: Friday, October 4, 2013 3:48 PM



Dear Tom,

On Monday, the Arizona Corporation Commission staff released their recommendations to the Commissioners regarding monopoly utility APS and its request to unfairly tax rooftop solar in Arizona. (If the Commissioners side with APS it will mean our state's transition to clean, renewable energy and thousands of solar jobs will be in jeopardy).

The Commission staff recommended that they reject the APS tax on solar and that they delay any decision about how APS pays for extra energy until 2016.¹

Tell the Arizona Corporation Commission to heed the staff advice and keep rooftop solar growing in Arizona!

Despite hundreds of thousands of dollars spent by allies of utility APS, including the Koch Brother's-funded Americans for Prosperity, this decision shows momentum is on the side of protecting Arizona's vital rooftop solar program known as net metering.²

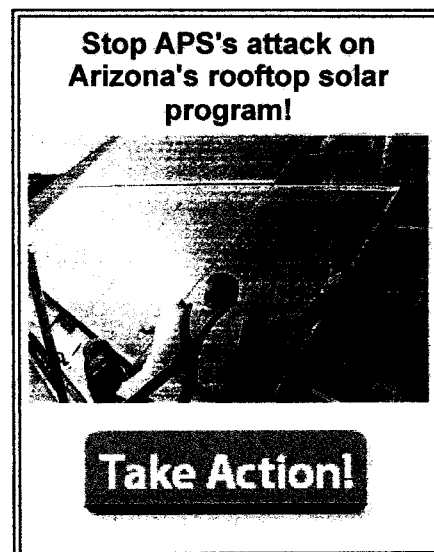
This is great news but APS isn't going to stop fighting and we can't either!

The Commissioners are deciding right now how to proceed with rooftop solar in Arizona and they need to hear from you now. Tell them the public wants rooftop solar to thrive not die.

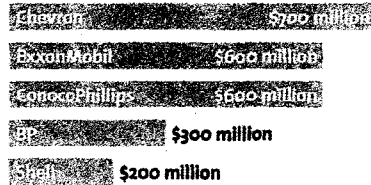
APS thought they saw an opportunity this year to dismantle Arizona's rooftop solar program, and therefore eliminate any competition they face for your energy dollars. You responded, and over 30,000 Arizonans from all walks of life contacted the elected Arizona Corporation Commissioners in opposition to APS's power grab.³

The supportive recommendation from the Commissioner's staff is a big step forward but we cannot sit back and assume the Commissioners will follow their advice. We know APS is lobbying the Commissioners aggressively to vote their way and that this announcement will force APS to double down on their efforts.

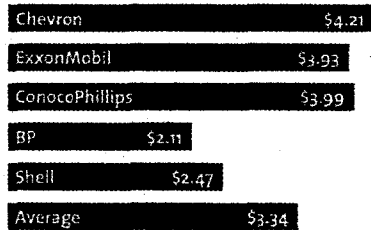
Solar is more affordable than ever before resulting in 10,000 direct solar jobs in the state.⁴ Solar also reduces air and water pollution and doesn't harm the climate.



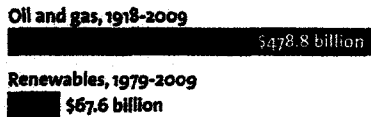
Estimated Annual Tax Breaks for the Big Five



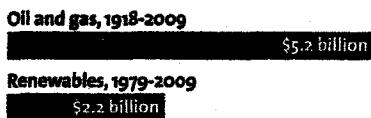
Estimated Tax Break per Barrel of Oil Produced in US



Total Tax Breaks Over Time (in 2013 dollars)



Average Annual Tax Breaks (in 2013 dollars)



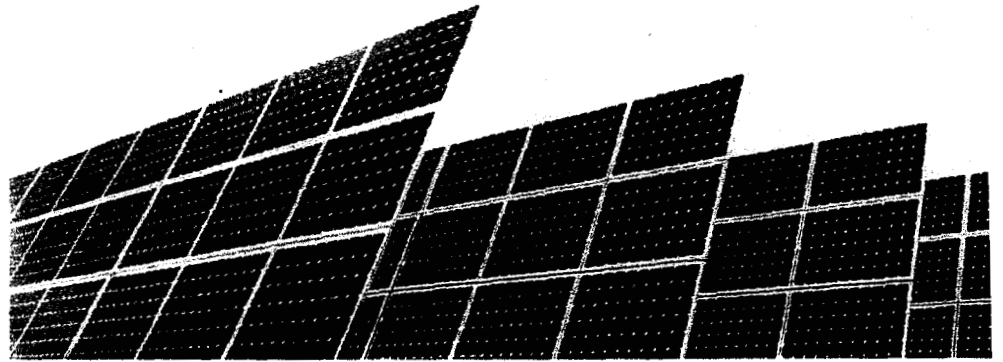
1916 The petroleum industry takes off as Americans' love affair with the automobile begins. A new tax provision allows oil companies to write off dry holes as well as all "intangible drilling costs" in their first year of exploration. Over the next 15 years, oil and gas subsidies will average \$1.9 billion a year in today's dollars.

1926 Congress approves the "depletion allowance," which lets oil producers deduct more than a quarter of their gross revenues. Texas Sen. Tom Connally, who sponsored the break, later admits, "We could have taken a 5 or 10 percent figure, but we grabbed 27.5 percent because we were not only hogs but the odd figure made it appear as though it was scientifically arrived at."

[FIRST PRINCIPLES]

Editor's note: You've probably noticed that the look of UCS publications has changed, but our mission has not. We remain dedicated to solving our planet's most pressing problems with rigorous, independent science.

A Green Tea Party?



By Kathleen Rest

In today's polarized political environment, it seems special interests are attempting to subvert science at every turn. But this summer, we saw states across the country put partisan politics aside to cast their votes for a clean energy future.

In July, Georgia regulators voted to expand the use of solar in the state's electricity mix. What's notable about this victory is that conservative lawmakers and Tea Party members joined environmental and solar advocates in support of the measure, countering misinformation from Americans for Prosperity, an anti-science group whose predecessor organization helped the Tea Party movement get off the ground. This capped off a season in which 14 states passed or strengthened policies that will require utilities to supply an increasing amount of power from clean energy resources. Not a single state weakened or repealed their clean energy policies, despite numerous attacks from fossil-fuel-funded opponents, most notably the Koch-funded American Legislative Exchange Council (ALEC). (Read "Got Science?" on p. 14 to learn more.)

This summer, we saw states across the country put partisan politics aside to cast their votes for a clean energy future.

For years, we have worked to leverage these victories into a federal clean energy policy that benefits people in *all* states. We still have our work cut out for us, especially as industries pursue unconventional oil and gas development (including the use of hydraulic fracturing—see p. 9) that could lock us into many more decades of pollution and global warming emissions. It is an uphill battle, but these state victories make it clear that solid data, not rigid ideologies, are becoming the tool of choice for shaping our energy future. (C)

Kathleen Rest is executive director of UCS.

Monday, October 28, 2013

Susan Bitter Smith
Commissioner
Arizona Corporation Commission
Commissioners Wing
1203 West Washington
Phoenix, AZ 85007

RE: I Stand for Fairness.

Dear Commissioner Susan Bitter Smith:

As you consider making much-needed changes to Arizona's net metering policy, please contemplate ways to make net metering fair for all customers and rooftop solar sustainable for the long term.

I want a reliable electricity grid ready to ensure reliable power around the clock. I want to be sure those who do not want or cannot have a solar rooftop system are protected from paying an unfairly high share for the costs of the grid. That can be accomplished by reforming net metering.

I also want solar energy to grow and thrive in Arizona. We must reform net metering and still support the growth of solar. This could be possible with a more transparent and fair incentive system.

Let's continue Arizona's solar leadership by changing the current net metering policy.

Sincerely,

Maria Boggs
13322 W. Berridge Ln
Litchfield Park AZ 85340

Troy E Hyde
1002 East Griswold Road
Phoenix, Arizona 85020

Arizona Corporation Commission Commissioners
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

October 29, 2013

Dear Commissioners;

I don't know too much about the use of energy by other consumers but what I do know is that the current issues surrounding net metering come directly from Commission policies. The current net metering policies allow solar customers to avoid costs on their bills for non solar customers to pay for.

As more customers begin to build rooftop solar panels and utilize the sun's natural energy, it is important that customers who use the grid pay their fair share in infrastructure costs to run the grid. Ensuring the right balance now will call for the advancement of solar technology and the issuance of solar panels among many areas in need of renewable energy. We badly need to address the issues with the current net metering policies to continue advancement in clean energy. Make the system fair to all customers to keep the grid running.

As we take steps to provide clean, renewable energy to all households that want it, we must ensure net metering policies reflect the needs of

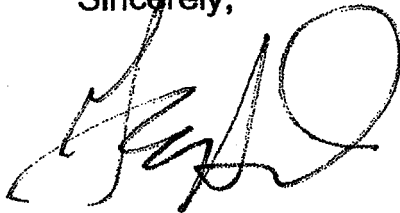
Troy E Hyde to Arizona Corporation Commission Commissioners

October 29, 2013

Page 2

customers and their use of the grid. I hope the commission takes into consideration the need for revisions within net metering policies and moves towards a more just system.

Sincerely,

A handwritten signature in black ink, appearing to read 'Troy E Hyde', with a large, stylized flourish at the end.

Troy E Hyde

Thursday, October 24, 2013

Susan Bitter Smith
Commissioner
Arizona Corporation Commission
Commissioners Wing
1203 West Washington
Phoenix, AZ 85007

RE: I Stand for Fairness.

Dear Commissioner Susan Bitter Smith:

I am writing to encourage you to keep fairness top-of-mind when considering ways to promote solar in Arizona and changes to the current rooftop solar policies.

I want solar energy to grow and thrive in Arizona. I also want a reliable electricity grid ready to ensure reliable power around the clock. I believe rooftop solar customers should be paid a fair price for the power they generate, but I also want to be sure those who do not want or cannot have a solar rooftop system are protected from paying an unfairly high share for the costs of the grid.

It is important to look out for the interests of ALL customers when it comes to generating and providing electricity, whether through traditional means or through renewables such as solar. So please remember that as you consider changes to the current system.

Sincerely,

Ann Suing
9665 S. Obsidian Way
Yuma AZ 85365

NANCY WENDLER

12923 W CHAPALA DR
SUN CITY WEST, AZ 85375

Arizona Corporation Commission
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

Dear Commissioners:

I am one of those who live in a planned community. It is approximately 6 years old and we have a very nice mix of price ranges. I happen to live in the smallest home choice. Before I bought this place, I seriously considered having solar panels installed as part of the purchase; however, after careful calculations, I found it would take me 20 years of monthly savings to equal the amount of the additional cost. This is a retirement community in which monthly utilities are a very big consideration. My utility bills are just about what I expected them to be, and I don't believe I'll probably live long enough to regain my initial investment in solar.

It is a topic of conversation here. We do want to conserve energy and we are conscious of our power use, but there has not been a significant increase in the amount of solar panels being added to homes that have turned over a couple of times.

Now that net-metering is getting some public attention, but in our community we've known for some time that those of us who do not have solar energy are paying for the infrastructure for those who do. While it may not be a huge amount of money on a monthly basis, it simply is not fair. Those who paid a huge amount of money to have solar installed and get reimbursed for their excess energy are being subsidized by those of us who did not. We applaud our neighbors who purchased solar power, but we don't like being penalized because we could not afford it.

It is good to see that the commission is finally going to make an effort to straighten this out.

Thank you,



Nancy Wendler
Corte Bella
Sun City West, AZ 85375

Arizona Corporation Commission
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

October 8, 2013

Dear Commissioners:

We in Arizona are so lucky to have plenty of renewable energy available in the sunshine, and it's encouraging to see more and more Arizonans investing in solar panels. The problem we are facing, however, is that our current net-metering policy is outdated and unfairly punishes those who haven't invested in solar panels – whether they aren't able to afford the investment, or choose traditional energy instead.

While the current net metering system has become outdated and is hurting the pocketbooks of non-solar users – many of whom are on fixed incomes and often lower incomes than those who've been able to invest in solar.

As it stands, net-metered customers currently aren't paying the fixed costs associated with making sure our electric grid is safe and functional. This is not to say that net-metered customers don't use this infrastructure, they just aren't required to pay for it because of the way the current net-metering system is designed. The result is that customers without solar panels are paying higher utility bills while others pay nothing towards the power infrastructure we all use.

We need the Commission to reform the net-metering policy to ensure that everyone is paying their fair share of costs to maintain the power grid. I realize that your staff acknowledged that there is an issue with the system, but the Commission must go further than these recommendations in order to correct the problem.

Sincerely,


Terry Froud

Former State Representative



TOWN OF CAREFREE

8 Sundial Circle
P.O. Box 740
Carefree, AZ 85377
(480) 488-3686 • Fax (480) 488-3845

OFFICE OF THE MAYOR

October 8, 2013

Chairman Bob Stump
Commissioner Susan Bitter Smith
Commissioner Bob Burns
Commissioner Brenda Burns
Commissioner Gary Pierce
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007-2996

Re: Sewer Rates in the Town of Carefree

Dear Chairman and Commission Members:

The Town of Carefree wishes to provide a successful business environment which maximizes the opportunities for all of the businesses operating within the Town. Part of the business environment is the cost of utilities including sewer service.

The Town of Carefree also recognizes that all the payers of sewer services should pay a different rate for the cost of sewer service that is appropriate for the sewer service provided. However, for some user groups, the historical methods used in calculating sewer usage may not reflect their current actual usage.

When Liberty Utilities next comes before the Arizona Corporation Commission with a new Rate Case for rates impacting Black Mountain Sewer Company, the Town Council of Carefree requests that the Commission examine the entire rate design structure for sewer service across all user groups to ensure that each class of rate payer is assessed a fair and equitable portion of the entire rate.

Sincerely,

Mayor David Schwan
Town of Carefree

Susan Bitter Smith

To: Commissioners of the Arizona Corporation
Commission

APS Deception vs. Solar

APS saying solar customers are going to cost each non-solar customer \$20,000 more without charging solar customers more is a giant deceptive lie.

Does a widow who pays \$70 a month for electricity cost other electric customers \$20,000 and need to pay \$50 to \$100 more each month because she used to pay \$400 a month when her husband and 10 kids were living in the house?

Are electric customers in Northern Arizona costing each Valley customer \$20,000 and need to pay \$50 to \$100 more each month because they don't use air conditioning as much and have only been paying \$100 a month?

No, people who use less electricity are not costing other customers more, and solar customers are like these examples. They just use less net electricity from APS.

Solar customers save utilities the cost of having to build so many more power plants and power lines.

The top 5 executives of APS (Pinnacle) got combined salaries of \$25 million last year, so about \$5 million apiece.

How can corporation commissioners allow such high electric rates that provide such obscenely high salaries? Why does anyone need more than \$120,000 a year?

Please don't let APS kill solar.

Sincerely,

James Lester - Holbrook, Arizona

From the desk of . . . Tony Rivera

Arizona Corporation Commission
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

Dear Commissioners:

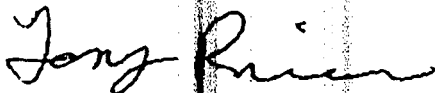
Today many Arizonans are fortunate enough to afford installing solar panels on their rooftops, taking advantage of our best natural resource - Arizona sunshine. An important part of the growth of solar energy in Arizona has been our net-metering policy. While this system was a good idea when it was designed years ago as an incentive to bolster investment in rooftop solar panels, it has become outdated and is hurting hardworking ratepayers by raising energy costs for non-solar customers, while cutting the more affluent solar users a break.

The way the policy currently stands, net-metered customers are able to avoid the fixed costs associated with maintaining the electrical grid, although they also rely on the grid. With this imbalance in the policy, non-solar customers, many of whom are just trying to make ends meet, are forced to subsidize these costs for the solar users, in the form of higher utility bills.

Rooftop solar panels require a costly upfront investment that takes time to recoup, and are financially out of reach for many middle and lower income Arizonans. It just isn't fair to penalize people who can't afford the investment or choose not to invest in solar, with higher utilities so that wealthier solar users can receive a subsidy.

Although commission's staff recently recommended updating the net-metering policy, it seems that this policy needs a lot more work in order to fix the unfair system. Please reform this system so that all are paying their fair share of maintaining the electrical grid.

Sincerely,



Tony Rivera
Vice-Mayor
City of Peoria

*Tony Rivera
11740 N. 80th Drive
Peoria, AZ 85345*

The Honorable Lori Klein
3637 W. Medinah Court
Anthem, AZ 85086

Arizona Corporation Commission
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

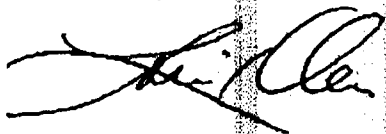
Dear Commissioners;

The past month has been one of turmoil for the solar industry here in Arizona. The net-metering issue that is before the Commission is a complicated one and it's important that the Commission gets it right when they meet to resolve this issue. I believe that everyone should be paying for the equipment and infrastructure that they use, whether they are solar or non-solar users.

Nobody wants to crush solar in Arizona. Our state has made tremendous stride in this industry, and it will only grow in the years to come. The policies that were created back when solar was still in its infancy simply do not work today. Those with solar are simply not paying their fair share for the energy infrastructure that they are using.

I thank you all for the tremendous work that you are doing, and hope that you will resolve this issue so that Arizonans are not being unfairly treated.

Sincerely,



Lori Klein
Former State Senator
State of Arizona

JOHN C. SCOTT

Arizona Corporation Commission
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

Dear Commissioners;

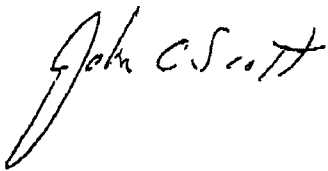
The solar industry has been a major benefit to the economy of Arizona. It has provided clean energy and given many homeowners a chance to produce their own energy.

Unfortunately, the policies that govern the solar industry are out of date with today's current energy market, and it is my hope that you will revise these policies so that everyone, solar and non-solar users, are paying their fair share.

The benefit of solar is that homeowners can sell excess energy produced back to the state. This is good for the grid and all energy users. The problem is that these solar users, under current billing policies, are essentially using the grid for free, and not paying critical infrastructure costs. It would not be a problem if solar users didn't use the grid, but they do. They use it when their panels are not producing enough energy to power their home.

It would be a mistake to damage the solar industry in Arizona, so nobody wants to see that happen. What we do want to see is fairness for everyone when it comes to using and paying for our energy needs.

Sincerely,



JOHN C. SCOTT
HOST

AMY SCOTT

Arizona Corporation Commission
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

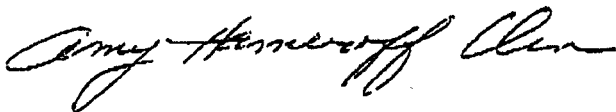
Dear Commissioners;

In our state, we have an abundance of clean energy in the form of sunshine. In fact, the entire solar energy industry has seen tremendous growth in just the past decade. Homeowners now are willing to invest in solar panels for clean energy and to save costs in the long run. Problems have popped up with this industry though, most notably the billing processes for net-metering. They are not suited to today's Arizona energy market, and they need to be revised.

This net-metering problem essentially boils down to the fact that these net-metered customers are able to use the energy grid for free, and are skirting paying the costs for infrastructure and other essential services. This is a problem because those costs are then shifted to the majority of those who do not have solar panels, and it is unfair.

I know that the Commission has a major decision to make on this issue, and I hope you hear the calls from those of us who would prefer to see a fair energy marketplace instead of the current one.

Sincerely,



AMY SCOTT
PRODUCER

Ryan and Deanna Harrison
4190 E. Aztec Rd.
Rimrock, AZ 86335
928-301-0983

November 7, 2013

Re: Unfair solar commercials, metering fees, and the contract with APS, Arizona

Susan Bitter Smith, Commissioner
Arizona Corporation Commission
1200 W. Washington St.
Phoenix, AZ 85007

Dear Ms. Smith:

We have been watching commercials from Edison Electrical Institute in regards to people who do not have solar having to pay for people who do have solar to be on the grid. Our first question is who is behind these commercials (are they lobbying for APS?), because they make us solar customers look like we are intentionally causing non-solar customers to have higher energy bills. What if someone becomes angry that we have solar and vandalizes ours or other people's systems because they think we are making them have higher electric bills?

We took a loan out on our 401K to have our solar system put on our home. We were under the impression that APS, and agencies backing green energy, wanted to allow APS customers and to help APS customers purchase solar systems to produce clean, renewable energy for ourselves and for APS. We came up with the full amount to purchase the system and we are paying almost \$600 a month for three years.

The point of the matter is we are paying for most of the system and a lot of others with solar are doing the same. And now, they are talking about solar customers paying \$50 - \$100 a month for metering fees. Whether or not if this is true, if it is over \$15 - \$25 a month for metering fees, it is not worth the hassle or the money to get solar depending on the size of the system because it won't be worth the pay back for the system.

We understand that there is a contract that will run out in 2016 in regards to this issue. At least stick with what has been agreed to. Somebody needs to come out with commercials rebutting the Edison commercials that are deceitful and wrong. It is not fair for people to pay for solar systems and to produce energy and then be punished with fees that nobody said we would or might have

to pay in the future. And especially to make us look like we are making others pay for those fees that we did not know about.

APS has to pay for energy producing systems out of their own pocket and then sell it to the customer. What's the difference? We've come out of our own pocket to pay to produce energy for APS and ourselves and they don't have to pay for the system. All they have to do is check the meter. We are still buying energy from APS. Why did they not let us know up front that there would possibly be fees for metering the system?

We are asking for something to be done about this situation that would be fair and would not hinder people wanting to have solar on their home and still be tied into the grid.

Sincerely,

A handwritten signature in black ink, appearing to read "Ryan and Deanna Harrison". The signature is written in a cursive, flowing style.

Ryan and Deanna Harrison

Ms. Susan Bitter Smith, Commissioner
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007

Ms. Smith:

This letter is to express my concerns regarding the application of APS which requests certain changes to the Net Metering costs now in place for residential customers with rooftop solar arrays.

In reviewing the submissions of APS and RUCO; the SAIC report; and the Crossborder Study, it becomes obvious, in my view, that there is simply no accurate or definitive information by which the Commission would be able to make a reasonable, fair and informed decision. Additionally, RUCO's position seems merely to parrot that of APS but does not provide any substantive data in support thereof.

The recent report by the Electricity Innovation Lab and the Rocky Mountain Institute in which a review of no less than 15 distributed PV ("DPV") benefit/cost studies concluded that none of the 15 studies had comprehensively evaluated the benefits and costs of DPV.

As I am sure you are aware, the ACC staff recommends that the Commission NOT approve either of the NM cost-shift solutions presented by APS. I would also urge that the Commission NOT approve the RUCO short term recommendation, which may ultimately be determined to be unfair to customers with rooftop solar. Currently, cost-shifting is based on speculative and predominately self-serving assertions by APS. The proper time and place for such determinations is (as the ACC staff notes) during APS's next general rate case, where all relevant data can be presented to the Commission.

Anthem residents still recall the AZ American Water Co./Pulte fiasco whereby both AZ American Water and Pulte refused to supply relevant data to the Commission, and subsequently were granted a huge rate increase. Immediately thereafter, AZ American Water was sold to EPCOR at a handsome profit, born by the Anthem residents. Please don't make the same mistake this time. It is impossible to unring the bell, as the saying goes.

Please follow the Commission staff recommendation and make NO CHANGES until after a proper rate case hearing can be completed. Thank you.

Sincerely



November 9, 2013

Terry I. Hamblin
14503 W Bison Path
Surprise AZ 85374

Commissioner Susan Bitter Smith

Arizona Corporation Commission
Commissioners Wing
1200 W. Washington - 2nd Floor
Phoenix, Arizona 85007

Fax: 602.542.3669

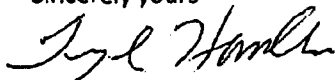
Dear Commissioner

I'm asking you to deny the latest APS money grab over net metering. I have just invested \$18,000.00 in a small 6.8 kW photovoltaic array for my home. If I am faced with increased fees for use of the APS grid my return on investment may very well drop below 2 or 3 points below the Pinnacle West Corp 8.3% "Return on Invested Capital".¹

The current add blitz funded by APS makes no mention of the savings we solar customers provide due to the nature of our local generation. Every Watt we generate saves APS lost energy due to heat loss in the local overhead and underground distribution system not to mention wheeling charges and purchased power cost from other utilities. Nowhere have I seen APS address the risk reward ratio and financial return of small residential customers such as myself. APS lumps all of us together irrespective whether we purchase or lease a system. APS it seems would prefer to ignore my future maintenance cost or the time value of my money invested in my system.

If APS has a case for charging residential customers for grid use, they need to lay it out during the next full rate case before the commission so that all the fact may be examined.

Sincerely yours



Terry I. Hamblin

¹ S&P Capital IQ dated Nov. 2, 2013

October 28th, 2013

Susan Bitter Smith
Commissioner
Arizona Corporation Commission
Commissioners Wing
1203 West Washington
Phoenix, AZ 85007

Commissioner Bitter Smith:

I am a solar roof-top owner, an APS customer, and an APS employee concerned about sustaining reliable delivery of service in the future.

Net metering needs to be fair for all customers and rooftop solar needs to be sustainable for the long term. More importantly, each customer needs to pay his/her fair share of costs to maintain reliable electrical transmission and distribution infrastructure. As a solar roof-top owner, I believe we put everyone's future safety and well-being at risk when we do not pay our fair share for the costs of the grid.

Please protect the grid, create fairness for all customers, and support Arizona's solar leadership. You can do that by changing the current net metering policy.

Sincerely,



Deborah Froelich-Freeman
SR Project Manager
APS Enterprise Risk Management
Email: dfroelichfreema@cox.net

Teresa Tenbrink

From: Tim Bogaert <tbogaert@cox.net>
Sent: Wednesday, November 20, 2013 3:14 PM
To: BitterSmith-Web; RBurns-Web; Stump-Web; Burns-Web; Pierce-Web
Subject: Solar Tax

Good afternoon,

I just wanted to thank you for standing up against the ridiculous solar tax proposed by APS. We need to do more to make solar THE energy source in AZ.

--

Timothy R. Bogaert

Teresa Tenbrink

From: Gregory Smith <bamboola@comcast.net>
Sent: Tuesday, November 19, 2013 1:55 PM
To: BitterSmith-Web
Subject: Re: PV Net Meter Policy

Thanks for your reasonable vote on the recent APS proposed PV penalty. DG is the part of the solution, not the problem. Greg Smith

Teresa Tenbrink

From: Gregory Smith <bamboola@comcast.net> on behalf of greg@solarisresearch.com
Sent: Wednesday, November 20, 2013 1:32 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Re: PV Net Metering

Honorable Commissioners,

Thank you for your compromise vote on the recent APS proposed change to net-metering.

As a life long Republican and a objectively minded scientist, the argument can fairly be made that APS's non-PV customers are not supporting the PV owners costs if you consider the environmental cost of APS adding more power plants rather than supporting more RE. It is the non-PV customers that may deserve a surcharge for not shouldering the bigger picture load that the PV-owners are.

Greg Smith

Teresa Tenbrink

From: jsmassey@q.com
Sent: Wednesday, November 20, 2013 1:32 PM
To: BitterSmith-Web; Stump-Web; Burns-Web
Subject: Solar Vote

Thank you for your vote on solar energy in Arizona!

Shirley & Jim Massey
Florence

Teresa Tenbrink

From: DLDesert <DLDesert@cox.net>
Sent: Wednesday, November 20, 2013 9:04 AM
To: BitterSmith-Web
Subject: APS

Good Morning,

Please do not allow APS to pay net metered electricity at the wholesale rate of 3 cents. It is counter intuitive to energy conservation.

Loree Janusz
League of Women Voters

Teresa Tenbrink

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League of Women Voters

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Subject: APS

Good Morning,

Please do not allow APS to pay net metered electricity at the wholesale rate of 3 cents. It is counter intuitive to energy conservation.

Loree Janusz
League of Women Voters

Teresa Tenbrink

From: Shirley Lilien <salilien2@gmail.com>
Sent: Monday, November 18, 2013 12:04 PM
To: BitterSmith-Web
Subject: APS

Our rates for electric service have been climbing. I was very disturbed when my bill arrived with a flyer, indicating that APS was giving away one dollar for every dollar donated to a religious

organization...St Vincent dePaul.

I find it hard to believe that the Corporation Commission continues to approve APS rate increases which APS then fritters away.

If i want to donate to a charity, I will do so...but I don't want my electric utility giving my hard dollars away to any charity.

Shirley Lilien

Teresa Tenbrink

From: russ <russ7732@gmail.com>
Sent: Tuesday, November 05, 2013 7:17 PM
To: BitterSmith-Web
Subject: aps

I want a choice in electricity supplier not a monopoly that I do not like any of there decisions...

Teresa Tenbrink

From: Dominique Bain <dmg269@nau.edu>
Sent: Thursday, November 07, 2013 2:00 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Docket Number: E-01345A-12-0290

Dear Commissioners,

I am concerned about the implications of the docket listed in the subject line. Given the high amount of solar radiation that Arizona receives, solar PV panels have the potential to generate more electricity than in many other locations. It is important for this natural resource to benefit all Arizonans, not just large utility companies. Private solar benefits small business as well as many private citizens. Please protect that benefit.

Thank you,

Dominique Bain

--

Dominique Bain

Science Foundation Arizona Fellow
School of Earth Science and Environmental Sustainability Ph.D. Candidate
Northern Arizona University
dmg269@nau.edu
cell 314-910-7526
office 928-523-6560

Teresa Tenbrink

From: Joan Spittler <jtspittler@cox.net>
Sent: Thursday, November 07, 2013 9:34 AM
To: BitterSmith-Web
Subject: Proposed Aps Regs

Dear Commissioner,

On behalf of the 1000 solar users in Sun City West I am requesting that you seriously consider the modified regulations for present solar users that are being proposed by APS for homeowners who have already installed solar energy systems on their homes. We entered this contract in good faith with APS and feel it is grossly unfair for the company to make alterations in the agreements we have entered into with them. We are encouraging the use of solar power as one of the most reasonable things that we can do here in Arizona to help improve conditions for energy independence, effective use of one of Arizona's best natural resources and aiding in the improvement of our environment for our children and grandchildren.

Dr. Thomas M. Spittler

I am using the Free version of SPAMfighter.
SPAMfighter has removed 998 of my spam emails to date.

Do you have a slow PC? Try a free scan!

Teresa Tenbrink

From: TJ and Di Johnson <tgjanddrj@hotmail.com>
Sent: Thursday, November 07, 2013 8:49 AM
To: Pierce-Web; Burns-Web; BitterSmith-Web; RBurns-Web; Stump-Web
Subject: residence solar

To whom it may concern:

When the offerings for roof top solar came out my husband and I investigated the cost and the possible future savings we might have. We are on a fixed income and were trying to reduce all our costs as much as possible. We were highly aware that inflation was going to have a large effect on us, and since our income was not going to increase we had to reduce expenses. One of our worries was the increase in cost of our utilities. Installing solar gave us a way to contain this one expense. After all this investigation we decided to install solar. To do this and come up with the money we needed to install the system, we had to take out a considerable amount from our savings and also take out a home equity loan. Now the utilities are proposing a change that will wipe out the savings we so dearly need. Some people seem to think that if you have rooftop solar you pay nothing. That is not true. We still pay many fees and costs each month, in addition to the electricity we use. There is talk of grandfathering, which would help us, but probably would discourage other homeowners from installing new systems. Why would anyone want to invest money in rooftop solar unless it was going to reduce their bills. The rate increase they are proposing would totally wipe out our savings and negate our original investment. If homeowners are discouraged from buying new systems then the use of solar power will probably decline by residents. WE feel it is folly for the utility companies to spend millions advertising against solar roof top installations. Rather than spending millions on advertising we feel the utility companies should use that money to cover necessary expenses of their business. Therefore we am asking you to vote no to their request to increase charges for solar customers.

Thank you,

Diana and Tom Johnson
16742 W. Aspen View Drive
Surprise, AZ 85387
tgjanddrj@hotmail.com

Teresa Tenbrink

From: rjoseph517@gmail.com on behalf of Ramon Joseph <rrj22@cornell.edu>
Sent: Wednesday, November 06, 2013 9:01 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: APS Solar Surcharge

Dear Sirs and Madame,

I wish to express my extreme objection to APS's proposal to change the conditions under which I installed solar panels on my home in Sun City West. I purchased the panels with a significant part of my savings knowing that 1.) the panels would add significantly to my home's future value; and 2.) that I contracted to an agreement for 20 years that had no provisions for changing the use and value of the clean power my panels generate.

I can support the plan proposed by your staff and apparently now agreed to by APS to grandfather those who purchased solar panels in good faith. I urge your commission to follow the advice of your staff. Do not be pressured by APS's lobbyists to

- 1.) charge a surtax on those who bought solar panels as an investment and as a contribution to a greener planet; 2.) prevent homeowners from selling
 - a.) the value of the panels, inverter, etc.; and/or
 - b.) the rights to use the panels as originally contracted.

Thank you for your hard work in representing the citizens of Arizona in this matter.

Sincerely,

Ramon R. Joseph MD
13755 W Via Montoya
Sun City West, AZ 85375
rrj22@cornell.edu

Teresa Tenbrink

From: hottnaz <hottnaz1@cox.net>
Sent: Wednesday, November 06, 2013 4:39 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Rooftop Solar :: Please DENY APS and their attempt to kill private solar ownership :: E-01345A-12-0290

Please DENY the proposed rate changes from APS.

On Wednesday November 13, 9a.m. please vote AGAINST any changes to the current rooftop solar system in Arizona.

In truth, rooftop solar BENEFITS APS by:

- 1) Creating power when demand is the highest
- 2) Allowing APS to build fewer power plants
- 3) Reduces power lost thru transmission
- 4) Produces power at the point of use / consumption

APS is a 100 year old monopoly based on 100 year old technology. New solar technology will soon make this monopoly obsolete and their efforts to kill rooftop solar are not in the best interest of ARIZONA, the RATEPAYERS or the GENERAL PUBLIC.

Please vote a strong NO to any changes to the current rooftop solar plan in Arizona.

Teresa Tenbrink

From: Nancy Louise Landwert <nancylandwert@hotmail.com>
Sent: Wednesday, November 06, 2013 12:21 PM
To: BitterSmith-Web
Subject: Proposal by APS

Susan Bitter Smith
Arizona Corporation Commission

Ms Bitter Smith,

We feel very upset over APS wanting to change the way they are billing Solar Users/Owners. When we purchased our Solar panels we felt that we were doing something good for our environment and helping with the supply of electric to our community. Power companies have been told that they needed to have a greater percentage of their electricity coming from renewable power, being a solar user not only benefited us, it benefits APS when we are selling our excess power back to them at a reduced price. APS would benefit from getting that power cheaper than they could build their own solar renewable energy.

Now, APS wants to go back on their original agreements and charge solar customers differently than they agreed to do at the time of our installation. They want to add additional fees, but are not paying fair market value for the energy they are getting from us. This just does not seem right to us. Already, my July bill was \$39.55, when the actually the off peak energy we used only came to \$16.54. That means that there is \$23 in various fees.

The panels supposedly only have a 20 year life and the production will diminish. The production of the panels is expected to diminish at least 2% a year. At that rate, in 10 years they will be producing at least 20% less electrical power. In 20 years, APS (and other power companies) will be getting increased power usage demands from those solar customers, unless a solar user chooses to replace their solar panels. We see no need to even put the 20 year limit on solar. APS will be able to get increased revenues from those customers as their panels diminish production. We believe that the solar customer should be allowed to sell their home, with solar panels, without restrictions. When individuals enter into an agreement, they must honor that agreement. Why a corporation should be allowed to go back on their agreements. For an example: when you buy a car with a warranty the car company cannot change that warranty after the agreement is made.

Many Solar users have purchased their solar thru a leasing company with a 20 loan payment. Allowing the power companies to put an additional fee onto their power billing would negate any savings those families, with a loan payment, would have from their solar installation.

We urge you to not change the agreement that the power companies made with solar customers. The power companies should honor what they initially made with solar customers.

Ronald & Nancy Landwert
12442 W Eveningside Drive
Sun City West, AZ 85375

nancylandwert@hotmail.com



Teresa Tenbrink

From: thomas morrissey <tpmorrissey38@gmail.com>
Sent: Wednesday, November 06, 2013 11:12 AM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Common Sense

Honorable Commissioners,

As the arguments regarding solar energy grow more visible, especially in the ads we are seeing on TV, I can't help but reach the following conclusions:

Although it might be true that APS is supportive of Solar Power and see it as the partial future of power generation, the fact is that they see it as their future, controlling the solar power production. Why should they be allowed to hold the monopoly on this power source? Why should they be the only providers? Why can't we provide for ourselves, while easing the burden on the power grid?

In Germany, the amount of homes with solar panels has helped the German people to avoid the necessity of having to build two new nuclear energy plants. Amounts of sunny days in Germany are a lot less than in Arizona (I know this because I lived in Germany for a year and a half). If rooftop solar power can have that result there, in that climate, just imagine what it can do here in Arizona

Our country has been victimized by OPEC for the last thirty years because of our dependence on them for most of our energy. When coupled with the current war on coal being waged by the Obama administration we find ourselves between a rock and a hard place. Solar energy is one of the more viable ways out of this hard place and in order to help it grow it must be fed by an ingenuity that can be realized in the hands of the individual and not stifled under the control of bureaucratic monopolies.

We have seen this dynamic in our education system with the rise of charter schools, as the answer to a failing bureaucratic public school system. There is a lesson here.

Let's let common sense prevail in this critical issue.

Tom Morrissey
Immediate Past Chairman, AZ GOP

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Teresa Tenbrink

From: bill henneberg <billat908@yahoo.com>
Sent: Wednesday, November 06, 2013 10:59 AM
To: BitterSmith-Web
Subject: APS Changing the Deal Again

I must protest the changes APS is pushing to cut the credits for rooftop solar.

They have already cut by 55% the payment to me at the end of the year for any yearly surplus I provided to them.

Now, they want to change the deal even more.and will continue to want more.

Solar electricity is fine with APS, as long as they can sell it at top dollar. Their proposals are essentially a tax on what Nature provides.

Or "Charging What the Traffic Will Bear", or, in this case, what the ACC will approve.

The excess electricity I put back into the grid during sunlight hours (half of it is peak period) costs APS **NOTHING** in generation costs and **ALMOST NOTHING** in distribution costs, as it is fed to my closest neighbors. Without rooftop solar, APS would have **MASSIVE** generation and distribution costs for that electricity.

Rooftop solar is the best thing that has ever happened to APS.

APS is selling (for top dollar) electricity that they get for free. But they are poor-mouthing, trying to justify even more extortionate rate schedules. The electricity they feed back to me at night is very cheap electricity, as it is non-peak period. I give them expensive electricity and they give me, watt for watt, cheap electricity. The peak period electricity is considered expensive because APS charges more for it, due to the higher costs of buying it on the spot market. The fact that I am providing them with peak period electricity helps them avoid paying those higher spot market costs.

William Henneberg

Walnut Grove

Teresa Tenbrink

From: daletrbo@gmail.com
Sent: Tuesday, November 05, 2013 8:40 PM
To: BitterSmith-Web
Subject: Solar Energy Policy Change

Dear Ms. BitterSmith,

It is clear from APS sponsored adds that there is a direct assault on solar energy by their corporation and by people with vested interest in stopping solar. The huge cost of the APS PR add campaign to change the solar charging method shows an extreme distain for individuals who, at the urging of local government and APS, installed solar. If the desired policy were in place before I installed solar panels on my home a year ago, it would have been cost prohibitive for me to do that which is exactly what APS wants. Please stop this corporate gouging and do not change the current policy.

Sincerely,
Dale Trbovich

Sent from Windows Mail

Teresa Tenbrink

From: Carl Hays <carl@m-14p.com>
Sent: Tuesday, November 05, 2013 3:37 PM
To: BitterSmith-Web
Subject: subsidies for solar and wind power

Please vote to end all subsidies. Arizona business cannot afford them. The result will be loss of jobs.

Carl W. Hays
Kingman

Teresa Tenbrink

From: Joe. Scates <jfscates@gmail.com>
Sent: Tuesday, November 05, 2013 12:27 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: APS Solar Claims and the Rest of the Story

Joseph F. Scates
40604 N Candlewyck Lane
Anthem, Arizona 85086

November 4, 2013

Arizona Corporation Commission

Subject: APS Solar Claims and the Rest of the Story

Dear Commissioners,

I am a APS customer with a rooftop solar system. In this letter I will address APS claims against its solar customers and provide you with some facts that APS ignores in its assault on the rooftop solar industry. After providing those facts I will address my concerns about APS methods.

APS claims that the solar customer gets a one for one credit for power purchased from APS at night time for excess solar credits generated in the daytime. Further, they claim that solar customers do not pay a fair share to maintain the power grid causing my non solar neighbors to subsidize my solar. To address these claims I will look at three components of a power grid that apply to the APS argument. 1) Power generation -- the infrastructure and supplies used to generate electrical power. 2) Transmission -- the infrastructure and supplies used to move that electricity from the point of generation to a utilities landing point. 3) Distribution (called delivery by APS billing) -- the infrastructure and supplies to move the electricity from the utility's landing point to the end point -- the customer. Each of these three components is a separate charge on every customers APS bill. Each charge is based on kilowatt hours (kWh). I will also include the Systems Benefit Charge since that value is based on kWh. All rates and values below were calculated using my solar production and distribution for 2013 and the APS EPR-6 rate tariff sheet for 2013. I have attached a Excel Spreadsheet that provides the monthly details and annual statistics for this year's APS billing cycle through the 4th of November.

So far this year, the excess solar generated by my roof top solar system during the day and later returned to me has a value of \$124.98. This includes all transmission, distribution and system benefit charges. What APS does not reveal to the public is that the excess solar generated by my system and sent to APS was resold by APS to other customers for \$403.91. More than enough to offset the costs of recovering my excess solar sent to APS. In fact, this gives APS not a debit but a profit of \$279.03 from my excess solar generation. Of course APS also collects from those customers, the fees for transmission, distribution and systems benefit charges.

However, unlike APS, I believe in telling the full story. Although not addressed in APS claims, there are other costs to AP. At the end of the year APS will credit my 2014 bill for all excess solar I have accumulated by December 31st. Currently the value of my accumulated excess solar is \$63.02. Also, APS could claim that I use the APS distribution lines to send my excess solar generation to APS. Currently, the value of that is \$154.95. Including these last two items,

the total net profit APS would receive from my solar generation is \$61.05. However, if I paid the fee to send my excess solar to APS over the distribution infrastructure then APS should not charge the non-solar customer for a transmission fee as I would have paid for it at a much higher rate.

Those are the facts as of November 4, 2013. Now I will address my concerns with APS activities. My comments are based on the facts of my solar system as well as claims made public on TV and in the local newspapers.

- 1) APS claims that I am not paying my fare share when in actuality, regardless of whether or not I am paying to transmit or distribute my own solar power, APS is making a profit from my excess solar generation. The value of the transmission, distribution and systems benefit charges not accrued by APS is trivial compared to the extra monthly charges requested by APS. This suggests to my non-solar neighbors that I am causing truly great harm to their wallets. As an individual I do not have the deep pockets to run a counter campaign that provides a factual counterpoint to APS's deceitful and shameful smear campaign.
- 2) APS wants to charge each solar customer an extra \$50 to \$100 dollars per month when, in my case the value of the transmission, distribution and system benefit charge is only \$124.95 total for the first 11 months of the year. Further, my rooftop system, operating at peak performance in its first year, saved me about \$1,230. The loss of productivity as the solar system ages and the replacement of the solar power converter about every 10 years (currently \$2,600 plus labor) would make solar a more expensive option than commercial power. In my opinion either of these increases would effectively kill the solar industry in Arizona. It certainly would for me. Add the initial costs to install the solar system and the sale of new solar systems would become almost non-existent. How many Arizona workers will be put out of business? How foolish would Arizona look as the sunshine state without solar energy production.
- 3) Local new media claims that APS is spending hundreds of thousands of dollars to discredit solar customers. The TV ads are trying to turn neighbor against neighbor even though the facts, in my case, show that APS is making a profit from my solar generation. APS claims the money being funneled to the sponsors of those ads is coming from shareholder profit, not from its rate paying customers. Does APS have another business that is generating income? If not, then all money starts with the rate payer, even if it is the rate payer's money being invested for profit. Even though APS claims the money is coming from shareholder profits, it was just announced those same shareholders will receive an annual dividend increase of about 4% this year. Is shareholder money also being used to pay those APS employees working the solar customer smear campaign? Wouldn't it be better to spend that money to lower utility costs for everyone rather than use it to pit neighbor against neighbor. Personally, I highly resent being falsely accused, especially when I accepted the offer made by APS to go solar. How does this sound as a business model? Here, take this good deal to go solar and later on I will run a well publicized smear campaign to tell your neighbor that you are a cheat.
- 4) APS claims that solar is overvalued when in fact it is undervalued when compared to many other states. The buyback of excess solar credits is \$.0289 to \$.02733 for APS solar customers but many states offer buybacks five to ten times greater. For example, 12.8¢ (Austin Energy, Texas) to 19.3¢ (California) and higher to 25-32¢ (New Jersey and Pennsylvania) (See Ref 1). Compare Austin Energy rates to APS rates. Austin has a 5 tier system based on kWh consumed that ranges from a seasonally adjusted low of \$.018 per kWh to a high of \$.114 kWh (See Ref 2). Does APS have an efficiency problem or a greed problem. Also, if my memory serves me well, utility companies who offer an option to buy clean solar also charge a higher rate for solar generated power. As a solar rooftop generation facility shouldn't APS be paying me more for the solar they purchase from my system?

- 5) Here are some benefits a solar generation facility provides to everyone . These benefits are not addressed by APS and unfortunately not given much thought in many circles. APS certainly doesn't tell my non-solar neighbors about the free benefits they are getting from me.
- a. My solar production has eased the burden on the three major infrastructure components of the electrical grid -- power generation plants, transmission infrastructures and distribution infrastructures. By reducing demand on the power grid I am saving APS monies that would be spent for future construction and maintenance of those infrastructures and therefore reducing the costs for all energy users.
 - b. In the 579 days my solar system has been active, it has reduced the dependency on fossil fuels and the amount of carbon dioxide emissions. This had resulted in cleaner air, conservation of fossil fuels for future generations and a slowing in the rate of global warming. These results, as recorded by my solar power converter and solar monitor, are phenomenal. Just the equivalent reduction of CO₂ is staggering – over 9 tons per year from my modest 5.64 kWh system. Think of the reduction that could be created by installing solar arrays on thousands of rooftops in Arizona. The emissions that have been reduced by the use of my solar is the equivalent of:
 - i. 28,843 pounds of CO₂
 - ii. not driving 28,562 miles in a standard car
 - iii. planting 320 seedlings grown for 10 years.
- 6) Lastly, a slight change in subject matter, is the issue of rate increases for a digital power meter. I wanted to address this issue at the time it occurred but just didn't have the fortitude. Earlier this year or last I was informed that my analog meter was going to be replaced by a digital meter and the new meter would result in a rate increase. I found this odd because the rate should have decreased. The most obvious reasons for a decrease are the reductions in operating expenses to purchase, maintain, and fuel the trucks driven by meter readers and a reduction in the number of personnel sent out to read meters. These reductions should significantly offset increases for additional software personnel. A few months later I saw another APS notice that said the rates for homes with an analog meter were going to increase because of the need to maintain a fleet of meter reader trucks and meter readers. Rates go up by reducing the need for analog meter readers and rates go up for keeping the analog meter readers. That's like saying if you put your hand out I will slap it and if you don't put your hand out I will slap it. Either way I am slapped with a rate increase.

Thank you for taking the time to listen.

Joe Scates

References:

1. <http://votesolar.org/2013/04/30/shady-math-puts-rooftop-solar-at-risk-in-arizona/>
2. <http://www.austinenergy.com/About%20Us/Rates/pdfs/ResidentialApproved%20Rates09112013.pdf>

This spreadsheet provides the details of my solar generation and distribution through November 4, 2013. My power meter is read on or about the 10th day of each month. Therefore, the meter reading on 1/10/2013 includes 20 days of December 2012. The data for the meter reading of 11/10/2013 includes only the data through the date of this letter – 11/4/2013.

Date of Meter Reading	Monthly Solar Generation and Distribution											My Accumulative Excess Solar Credits		Price per kWh				
	My Solar Generation		My Solar Used by Me		My Solar Sent to APS		My Solar Returned to Me by APS		My Solar Sold to Other Customers by APS		On-Peak	Off-Peak	\$0.00520	\$0.02700	\$0.00297	\$0.02890	\$0.02700	
	On Peak	Off Peak	On Peak	Off Peak	On-Peak	Off-Peak	On Peak	On Peak	On Peak	Off Peak	On-Peak	Off-Peak	APS Losses					
	On Peak	Off Peak	On Peak	Off Peak	On-Peak	Off-Peak	On Peak	On Peak	On Peak	Off Peak	On-Peak	Off-Peak	Transmission Fee	Delivery Fee	System Benefit Charge	End Of Year Credit for Excess Solar		
1/10/2013	213	392	63	132	150	260	51	260	99	0	99	0	(\$1.62)	(\$8.40)	(\$0.92)			
2/8/2013	295	393	82	127	213	266	47	266	166	0	265	0	(\$1.63)	(\$8.45)	(\$0.93)			
3/11/2013	325	550	66	134	259	416	32	303	227	113	492	113	(\$1.74)	(\$9.05)	(\$0.99)			
4/9/2013	337	592	71	130	266	462	27	253	239	209	731	322	(\$1.46)	(\$7.56)	(\$0.83)			
5/9/2013	383	684	95	210	288	474	27	370	261	104	992	426	(\$2.06)	(\$10.72)	(\$1.18)			
6/10/2013	353	759	90	471	263	288	33	288	230	0	1222	0	(\$3.88)	(\$20.17)	(\$2.22)			
7/10/2013	343	631	96	511	247	120	87	120	160	0	1382	0	(\$1.08)	(\$5.59)	(\$0.61)			
8/8/2013	315	514	88	427	227	87	49	87	178	0	1560	0	(\$0.71)	(\$3.67)	(\$0.40)			
9/10/2013	306	564	75	459	231	105	92	105	139	0	1699	0	(\$1.02)	(\$5.32)	(\$0.59)			
10/9/2013	317	606	79	321	238	285	41	285	197	0	1896	0	(\$1.70)	(\$8.80)	(\$0.97)			
11/10/2013	243	513	47	115	196	398	38	264	158	134	2054	134	(\$1.57)	(\$8.15)	(\$0.90)			
12/10/2013									0	0								
Annual Totals	3430	6197	852	3036	2578	3161	524	2601	2054	560	2054	134	(\$18.47)	(\$95.88)	(\$10.55)	(59.36)	(3.00)	
	9627		3888		5739		3125		2614		2188		(\$124.89) Total Transmission, Delivery and System Benefit					
	<u>\$403.91</u> Total APS Gains from reselling my excess solar \$279.03 Sub-Total APS Gains from my solar (\$154.95) My Use of Delivery Infrastructure to send my <u>(\$63.02)</u> Total credits I will receive from APS in 2014 for \$61.05 Total APS Gains from my solar																	
	(\$342.86)																	

Teresa Tenbrink

From: Diane Langlois <DLanglois@azleg.gov>
Sent: Monday, November 04, 2013 4:38 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: APS proposed increased charges to solar customers

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: NEEDS FOLLOW-UP

Senator McGuire would appreciate receiving a response.

Thank you.

From: M&G Dinwiddie [mikedin@copper.net]
Sent: Friday, November 01, 2013 10:44 AM
To: Barbara McGuire
Subject: corporation commission

I tried to email the ACC to register my opinion about the APS request for increased charges to solar customers. The new ACC site is a real mess. There is no way to find what you are looking for. The links are either dead or they return you to the home page. Their agenda and calendar pages are set up in a way that requires the user to know in advance what meeting and/or docket they are looking for. And just to make things nice, when I tried to send the email anyway, I got a reply requesting the docket number before the opinion could be accepted. Here is what I got from them:

On 10/31/2013 11:45 AM, Richard Martinez wrote:

Dear Ms. Dinwiddie,

My name is Richard Martinez, Public Utilities Consumer Analyst II, with the Arizona Corporation Commission ("ACC") and I have been assigned to handle your concerns.

Currently there are a few dockets (applications) open regarding Arizona Public Service Co. ("APS"). Please either provide me with the Docket No. so that I can place your Opinion with the correct matter in our system.

I now wait for your response. Thank you.

Regards,

Richard Martinez

Public Utilities Consumer Analyst II

Arizona Corporation Commission

(520) 628-6555

This was my reply:

Mr. Martinez,

This is the only "Docket Number" I can find. Docket No. E-01345A-08-0172 When I click this link, this is what I get:
Server not found

Firefox can't find the server at patrick.

Check the address for typing errors such as ww.example.com instead of www.example.com

If you are unable to load any pages, check your computer's network connection.

If your computer or network is protected by a firewall or proxy, make sure that Firefox is permitted to access the Web.

When I use IE, I can't even get this far. It would be nice if any of the needed links worked on your site. It is kind of hard for "john q. public" to get docket numbers when there isn't anyway to find them. Hopefully, this is the correct number. The email I sent was regarding APS wanting solar users to pay more for infrastructure. I will repeat, APS needs to learn to operate as a business. Earn it, quit using the ACC to up their profits through taxes and rate increases.

Gwen Dinwiddie

This is what I got back today:

Gwen Dinwiddie,

I can place your Opinion under the docket number you provided. I just wanted to be sure it applied to a rate case as it appears that last rate case regarding raising the rates for APS was back several years ago.

I thank you for your time.

Regards,

Richard Martinez

Arizona Corporation Commission

520-628-6555

I realize that these people aren't mind readers, but my original email contained the information needed to know just exactly which case I was referring to. And since I can't find the information he requested on the ACC site, I guess my opinion just doesn't count. There is already enough distrust of government in this state and BS like this just makes it worse. So now, not only did the tax payer pay to set up their "new and improved" website, the tax payer paid to be shut out of the process. This is after the customers paid to subsidize APS's solar program and are now being asked to pay for their "alleged" loss of income. I don't know what, if anything, you can do about this, but I wanted to let you know how frustrating it is to try and be active in my government and then have this happen. As usual, you know where to find me if you need any more info from me. Thank you,
Gwen Dinwiddie

Diane Langlois

Assistant to Senator Barbara McGuire

District 8 – Pinal/Gila Counties
1700 W. Washington St.
Phoenix, AZ 85007
602-926-5836
dlanglois@azleg.gov

Teresa Tenbrink

From: BRADFORD OLBERT <bdolbert@msn.com>
Sent: Wednesday, November 13, 2013 9:56 PM
To: Burns-Web; Pierce-Web; Stump-Web; RBurns-Web; BitterSmith-Web
Subject: APS Application Docket # E-01345A-12-0290

Dear Commissioner,

Normally I do not get involved in utility rate structures but on the solar issue where APS applied to have net metering discontinued, I wanted to bring up a few points and express my opinion. With all of the advertising, letters and the mailings adding to the confusion on the issue, I decided to read the APS Application to the Corporation Commission and the two studies APS funded.

I wanted to know how much of a shift net metering was actually costing me on a monthly basis and if the cost shift was as unacceptable as APS wanted me to believe.

In all of the testimony, reports etc. there was no mention of what this shift actually costs an average homeowner on a monthly basis. So I figured it out myself using the data in the APS Application. The shift claim is \$1,000 for each of the 17,589 solar users. So \$17,589,000 divided by the number of customers (1,042,505) divided by 12 months equals **\$1.41 a month**.

Obviously clean energy is more expensive than fossil fuel based energy. But, I do not see where **\$1.41/month** is excessive for the clean air benefit solar power provides the state. I feel the APS claim is overstated!

APS stated in their testimony that the lease arrangement combined with net metering was the main catalyst for homeowners adding solar to their homes. They also said that the rebate incentive was not the main reason homeowners added solar. Since the customers fund the rebate incentive, it seems that eliminating the rebate incentive may partially or wholly offset the cost shift caused by net metering.

It was also apparent to me after reading the testimonies and reports that eliminating the main incentive for homeowners to add solar would definitely hurt the solar energy market. The APS funded reports on the subject were interesting and APS has some good points to consider, but APS's recommendations are noticeably skewed to benefit their revenue line and may deny many homeowners from participating in efforts to help clean the air.

This state has desired for years to be the standard for promoting solar energy. I am sure this commission can come up with a better solution. This solution should not mortally wound the solar industry or hurt homeowner involvement in the clean energy movement.

This APS proposal is not good for the State of Arizona.

Brad Olbert
Gilbert, AZ

Teresa Tenbrink

From: Monica Hockersmith <mkhockersmith@hotmail.com>
Sent: Wednesday, November 13, 2013 7:22 PM
To: Burns-Web; Pierce-Web; BitterSmith-Web; Stump-Web; RBurns-Web
Subject: Solar Net Metering Proposal

RE: Docket # E-01345A-13-0248

Dear Members of the Arizona Corporation Commission:

We are registered voters and an loyal APS customers. We are writing to urge you to protect net metering.

APS has proposed an aggressive tax on solar customers, either in the form of a radically reduced rate of payment for power sent back to the grid or a substantial charge to their monthly bill.

The new proposed fees for solar energy users is unfair and excessive. We recently installed solar panels on our roof. This has resulted in a savings of \$30 to \$50 per month. Contrary to what is being publicized, our monthly bill includes all of the typical fees that were included on our non-solar bill such as transmission & generation. The proposed new fees will unfairly penalize solar users and cause our solar electrical bill to exceed our previous monthly bills for non-solar energy. This is not a fair proposal.

I support rooftop solar in our state as an important industry and a means for Arizonans to have a real energy choice. These proposed taxes will effectively end the residential solar industry in Arizona. Please vote to protect net metering in APS.

Thanks,

Donald & Monica Hockersmith, 7515 N. 181 Ave, Waddell AZ 85355

mkhockersmith@hotmail.com

dlhockersmith@hotmail.com

Teresa Tenbrink

From: robert garcia <ontargt1@msn.com>
Sent: Wednesday, November 13, 2013 6:09 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Docet E-01345A-13-0248

Your public comment forum is not working

APS has an economic hold on Arizona because they are a very large employer. They enjoy low cost labor and little push back from the liberal left environmental groups. Right now with all this power APS, imports their mid level to executive leaders, and they are refusing to come to reason on their security labor contract. 200 + people waiting for a new contract. As Arizona depends deeply on our unemployment rate to be low APS hires and maintains contract labor with little to no chance to work for the company. These contractors are treated as substandard by APS. But our people need jobs so they are forced to live with it. Arizonans deserve better pay and better opportunities from the companies the state allows to profit from our climate and location. APS also has little regard for ethnic minorities, less than one quarter of their upper management to leaders are minorities. The good paying jobs at APS are not awarded to local Arizonians nor are they awarded to ethnic minorities. Most of Arizona as a state are minorities and yet one of our largest companies in our state cannot find it in their core to follow suit, even in the slightest. They do employ Arizonians for mid-level and low paying jobs but not high paying jobs. And they want more money by the way of a new tax, but how do they pay us back? We pay their bills, because there is no choice and now that there is a choice they want to kill it. I think if they would help improve Arizona and allow better paying jobs to open up for our people and provide real opportunity to the people of our state, then they would have earned my support. If they keep the lower paying jobs to our people and the higher paying jobs to out of state people then I would say tax them. Not us... Yeah fair is fair, If APS leaves there will be another company behind them that may be a better fit for Arizona... Do not allow them access to a new tax.

Robert M. Garcia Jr.
Cel#602-361-3477

Teresa Tenbrink

From: Robert Akhbari <rakhbari@cox.net>
Sent: Wednesday, November 13, 2013 5:50 PM
To: BitterSmith-Web
Subject: APS Solar Price Increase will be a job killer.

Commissioner Bitter-Smith,

Solar was my way to save some money and at the same time reduce my carbon footprint. I followed all the directions need to put solar on my house. This includes speaking with the "Green Team" at APS who recommended the Net Metering. I save \$60 a month from my previous APS bill and have had solar since April. I'm not saving a lot but it was the right thing to do for my community and state. If the price goes up by \$100, I have lost ALL incentives in my solar and now I'm stuck for 20 years in my lease at a loss.

I understand you have a tough decision but I hope you see that allowing APS to raise the price will only create profits for APS. Your decision can affect future jobs in innovation, installation and sales of solar. This price increase is a job killer.

Thank you for your consideration and vote against the price change.

Sincerely,
Robert Akhbari
5701 E. Marilyn Rd.
Scottsdale

Teresa Tenbrink

From: Turner, Ray C (AZ76) <ray.turner@honeywell.com>
Sent: Wednesday, November 13, 2013 4:47 PM
To: BitterSmith-Web
Subject: APS vs Solar

Hello Ms. Bitter Smith,

I'm e-mailing you today to urge you to support clean, non polluting energy and to not change the net metering as APS desires.

APS is using millions of the dollars that they collect from customers like me to run television ads to make this change. I don't have millions of dollars to spend to make commercials to support clean energy. I send \$485 per month to APS for what they tell me is the cost to produce and supply my house with electricity, obviously with all the money they're spending on advertising, they must be overcharging for electricity and I would like to suggest a rate decrease.

I don't buy into the "fairness" line that APS is flying, as an electronics technician at an Aerospace company I understand how electricity works.

Electricity goes the path of least resistance, if a family had solar on their rooftop and it produced more power than they were using, it would be used up near their home by their neighbors and lessens strain on the grid making it less expensive for APS, as they need less of the expensive substations and high cost power lines.

Solar also lessens the strain on the grid by producing power during the time of day that it is most used.

Solar has just enough incentives currently that you only see one home in 500 (my estimation) that has put down their hard earned money to provide clean, non polluting energy to APS. The homeowner is on the hook for all maintenance and repair costs, APS only cost is net metering and I believe they routinely purchase power from other companies.

I have saved the money necessary and am looking to purchase solar for our family's home, but will probably not purchase it if the corporation commission grants the APS request.

Thank you for time,

Ray Turner

Teresa Tenbrink

From: Scott McCay <SMcCay@themarlincompany.com>
Sent: Wednesday, November 13, 2013 4:56 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: Scott McCay
Subject: FW: I'm Pro Solar. How can you see any value in supporting the electric monopoly?

Commissioners,

I am referencing docket number **E-01345A-12-0290**. I was at your office on 11.13 from 9:30-11:15am. I have been passionate about solar development in Arizona for 30 years.

Where was APS 32 years ago when a small local company called Goettl Manufacturing sold and installed solar hot water heating systems? If APS was so focused on Arizona's solar future why wasn't APS researching and developing solar panel design then? In the state with more sunshine than any other.

My personal electric usage history over 10 years.

I have kept every one of my annual APS "Energy Use and Cost" statements provided by this utility.

2001 Recap. Total Kwh used 34,378. Total cost: \$ 2,564.87 Average Monthly cost: \$213.74
2012 Recap. Total Kwh used 28,245. Total cost \$ 3,175.44 Average Monthly cost: \$264.62
(NOTE: APS did away with the "average monthly cost" and changed the average to "Average per day" To reduce the rate shock would be my guess.)

September 2012 through September 2013 Monthly Recap: \$343.00 per month.

From 2001 through 2012 I replaced single pane windows with dual pane, switched to all CFL bulbs throughout, and added 22 inches of insulation in my attic space.

In 10 years my Total annual Kwh dropped by -6,133 Kwh, YET my APS bill increased by 33%.

Take a breath and sit back. Do you realize that there are several countries in the European Union that will not allow a new home to be built unless it has solar on it? Do you know that in Europe they receive a great deal more rain and cloudy weather than Arizona does? Of course you do.

This great state has been made the laughing stock of the country and the world on a variety of issues ranging from attitudes to governors. Net metering is an accounting method, not the problem. I am pro solar and I ask that you stand with the pro solar lobby and most importantly the people of Arizona and save us from further embarrassment!

How will you explain to the world that this boards legacy was that *it reduced the potential to put the great state of Arizona on the map in a positive light for the first time since Evan Mecham was in office.*

...take the common sense approach, support solar growth. Thank you for allowing me to speak.

Thank you for making the right choice... so that I can make the right choice in the voting box.

Scott McCay

O.602.680.7323 C. 602-531-0151

smccay@cox.net

<http://www.linkedin.com/in/scottmccay>

Teresa Tenbrink

From: James Bogdan <jsbogdan206@gmail.com>
Sent: Wednesday, November 13, 2013 2:47 PM
To: BitterSmith-Web
Subject: Vote for Arizona

fix net metering so that it's fair for _all_ Arizonans!* Vote for Arizona not the California Companies.

Teresa Tenbrink

From: Paula/Bruce Linker <pb415linker@cox.net>
Sent: Wednesday, November 13, 2013 12:01 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Cc: pb415linker@cox.net
Subject: CORP.COMM.NET. METERING11.13.docx
Attachments: CORP.COMM.NET. METERING11.13.docx

Importance: High

SUBJECT: NET METERING

DATE: NOV. 13, 2012

Dear Commissioner,

Everyone who uses the grid should pay for its use. Non-solar users of all ages whether they live in their own owned home, condo, rented apartment, or assisted living facility should subsidize solar users who need the grid at home, at work, at the gas station or the store. Please do not vote to extend the subsidy, tax them for its use.

Paula and Bruce Linker
79059 E. Desert Cove Ave.
Scottsdale, Az. 85260
PCs and State Committeemen, LD23

Teresa Tenbrink

From: DeDe Hall <ddhall@cox.net>
Sent: Wednesday, November 13, 2013 11:39 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: STOP THE APS SOLAR TAX

Docket #: E-01345A-12-0290

Please put an end to the proposal by APS to tax solar energy.

I support net metering.

Michele Hall
238 E. Cornerstone Cir
Casa Grande, AZ 85122

Teresa Tenbrink

From: ron frey <rdfrey@cox.net>
Sent: Wednesday, November 13, 2013 10:39 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; bburns-web@azcc.gov
Cc: dpozefsky@azruco.gov; cfraulob@azruco.gov
Subject: APS Proposed Changes to Net Metering Rates

Dear Chairman Stump and ACC Board Members:

I urge you to NOT make any changes to the APS requested Net-Metering rates because:

1. The rooftop solar producer is already subsidizing APS by producing excess power at the years end and APS pays the solar producer only .06 cents per "kWh". APS is charging between 11 cents per "kWh" to 15 cents per "kWh" to consumers for that power produced by rooftop solar. A rooftop solar producer may typically have 400 "kWh" excess at years end, which APS will pay the producer \$24 and sell that power for assume (.11 cents/"kWh") \$44, thus the producer is subsidizing APS \$20. If there are 500,000 solar producers, that is approximately \$10,000,000 that can be used to maintain the grid or maintain power production.

2. I question the APS statements that "rate payer monies are not being used to fund the advertisements" we see on TV. APS is regulated by the ACC which allows a profit factor of around 10% so bond ratings and investor interest is positive. Since Pinnacle West has very few subsidiaries other than APS, a large percentage of corporate endings depend on APS. If the parent suffers or fails financially, so will the subsidiaries, thus the APS rates will need to be increased to maintain bond worthiness. Indirectly, it will be rate payer monies funding the advertisements.

3. The ACC should continue to encourage solar power industry. It is environmentally clean and has employed thousands of jobs in Arizona. Unemployment is already too high and will become greater if the solar industry is eliminated at the expense of APS stockholders, of which many are foreign to Arizona. Do what's best for Arizona with our abundant sunshine.

Again, please keep Arizona a leader in solar power industry and keep the net-metering rates as they are. Thank you.

Ron & Darlene Frey
Phoenix, AZ

Teresa Tenbrink

From: AWCA <awca@cox.net>
Sent: Wednesday, November 13, 2013 10:20 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: Utilities Div - Mailbox
Subject: Support for Docket #E-01345A-12-0290

Hello,

My wife and I would like to voice our support for net metering, re: Docket #E-01345A-12-0290. We just purchased a home in Peoria in Feb 2013 and have always said how important it is that of all places, Arizona should be at the forefront of solar power advancements. There's no reason that a state with our environment shouldn't be THE place where solar power is fully embraced and developed.

The idea that APS or any other utility should attempt to stifle that growth is astonishing. We understand that companies need to make money. We all get that. However, the ads they run that mislead communities is beyond reproach. It is fully wrong and they should be ashamed of themselves to run such misleading communications.

We are having SolarCity place a full home system at our property in December, and are concerned that not only will we encounter issues should APS's efforts go into effect, but even if "we" are ok, what about others that still have that dream? People should not be having to pay the ridiculous fees they already do, much less an increase over the years (at least 4.8% yearly, and sometimes 6%).

"Everyone using the grid should pay for the grid." We WILL still be paying for the grid. We will still be connected, so because of that, we will still be paying for power in one way or another. It's not like we're on solar and batteries, to completely disconnect from the grid.

APS will continuously raise their rates year after year, even if everyone was using solar. So how do they realistically justify that? They don't need the equipment upgrades because the load on the system is lower. So what's to upgrade? Why are prices continuously rising when the load is going down? Even if they load WASN'T going down, the price per kw hour is absolutely ridiculous already. They have charged so much that many have to really push their budgets to the brink just in order to keep their children cool in the summer and warm in the winter.

Arizonans have a place in the world that few others do. Setting the standard of useful and reliable solar power can show everyone else how effective this fossil fuel replacement can be, and rather than thwart it, APS should be embracing it. In fact, why aren't THEY creating solar systems and making them available? They should be leading the pack, not attempting to keep it from happening.

I would like to include our names on your list of supporters for net metering and support docket #E-01345A-12-0290.

Respectfully,
Phil and Katie Bradley
7845 W Spur Dr.

Peoria, AZ 85383



Teresa Tenbrink

From: Harold O'Hayre <chtttoh@q.com>
Sent: Wednesday, November 13, 2013 8:36 AM
To: BitterSmith-Web
Subject: Net Metering - APS is Right

Dear Susan,

Please fix net metering so that it's fair for all Arizonans! Utility companies should not be forced to pay solar customers for excess power their solar panels produce at a higher rate than the market dictates. We can not afford solar panels and the solar industry is already subsidized with our tax money. Solar power users should help pay for the electrical transmission infrastructure. Please do not allow our electrical rates to be raised in order to help solar customers even more than they are already subsidized.

Harold O'Hayre
13208 N. 54th Dr.
Glendale, AZ 85304

Teresa Tenbrink

From: Harold O'Hayre <chttoh@q.com>
Sent: Wednesday, November 13, 2013 8:35 AM
To: BitterSmith-Web
Subject: Net Metering - APS is Right

Dear Brenda,

Please fix net metering so that it's fair for all Arizonans! Utility companies should not be forced to pay solar customers for excess power their solar panels produce at a higher rate than the market dictates. We can not afford solar panels and the solar industry is already subsidized with our tax money. Solar power users should help pay for the electrical transmission infrastructure. Please do not allow our electrical rates to be raised in order to help solar customers even more than they are already subsidized.

Harold O'Hayre
13208 N. 54th Dr.
Glendale, AZ 85304

Teresa Tenbrink

From: Linda Jackson <amjackson4@gmail.com>
Sent: Wednesday, November 13, 2013 8:55 AM
To: BitterSmith-Web
Subject: Solar Customer

Hello,

I understand that the commission staff is recommending no change at this time on my solar system. THANK YOU!

We installed our system with the understanding of net metering and therefore DO NOT agree with any changes to our existing system. I DO NOT agree with a 'grandfathered 20 years'. We should be 'grandfathered' permanently, at least until the system is removed or deleted from operation. If APS wants to changes systems installed in the future, those customers would be installing the system knowing what they are getting into.

Thank You for supporting me, the consumer.

Linda Jackson
Star Valley, Az
928 474 8767

Teresa Tenbrink

From: Grand Canyon Trust <info@grandcanyontrust.org> on behalf of amy prince <amyprince@me.com>
Sent: Wednesday, November 13, 2013 7:40 AM
To: BitterSmith-Web
Subject: Net- metering works. Oppose overturning it!

Nov 13, 2013

Commissioner Susan Bitter Smith
AZ

Dear Commissioner Bitter Smith,

I urge you to protect solar progress and a strong rooftop solar program in Arizona.

Arizona is now the national leader in solar energy production per capita due to the "net metering" policy that allows customers who have installed solar on their homes or businesses to receive fair market value for any excess energy that is sent back into the grid.

The net-metering policy produces substantial benefits. Solar producing customers are compensated fairly for excess energy generated. Other utility customers benefit by receiving clean, renewable energy through the grid. Progress in solar energy also reduces the need for costly new power plants and transmission lines, creates high-paying local jobs, and results in cleaner air for people and our environment.

The Commission's staff recently recommended that the ACC reject Arizona Public Service and instead address issues in 2016 in the next APS rate case. I encourage you to do that and to continue supporting progress in the rooftop solar program. With more than 300 days of sunshine each year, Arizona should be a leader in solar energy. Solar is a win-win for Arizona, and net metering is an essential part of that. Do the right thing for Arizonans.

Please oppose proposals by Arizona Public Service to overturn Arizona's net-metering policy.

Sincerely,

Mrs. amy prince
3821 N Steves Blvd
Flagstaff, AZ 86004-6844
(928) 814-2331

Teresa Tenbrink

From: Don Paisley <donpaisley@earthlink.net>
Sent: Wednesday, November 13, 2013 7:26 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Fairness of Net Metering

On 11/11/2013 12:02 PM, Don Paisley wrote:

Commissioners:

The net metering issue is not a question of fairness to non-solar households. The fairness debate is manufactured by APS and the Edison Institute to create divisiveness within the public. The goal is to squash home generated solar electricity. APS' barrage of ads talking of their support for solar while at the same time funding the ads claiming the unfairness of home based solar is a shell game to fool the public, and I'm sure the millions of dollars spent have fooled much of the public. The ACC is not the public. It has the obligation to protect the best interests of the people of Arizona... even those who have been duped. APS supports solar only in as much it is solar that they own and control. Locally generated energy, whether solar, wind, fuel cell, or other is the future just as personal computing using tablets and cell phones have freed us from the ancient past of main frame computers. You can choose to support the legacy infrastructure of the utility companies or be a part of embracing the future and support distributed home-based energy production.

Don't make this decision based on polls. Make this decision based on what is right for the future of our state.

Don Paisley
12969 W. Yellow Bird Ln.
Peoria, AZ 85383
480-271-1991

Teresa Tenbrink

From: Hans Berg <bonuspowder@hotmail.com>
Sent: Wednesday, November 13, 2013 1:20 AM
To: BitterSmith-Web; Stump-Web; RBurns-Web; Burns-Web; Pierce-Web
Subject: Please force APS to modernize by owning DG Solar PV or betray the power of the free-market

You are about to make a momentous decision regarding net metering rules.

The decision before you put very simply is to either allow a monopoly to blatantly ignore free-market pressures that will ultimately improve its service or force that monopoly to adjust to this new business reality and in the process act in the public's best interest for reliable low-cost power. Clearly the second path is the one paved with integrity. Take it.

APS can maintain their revenue stream, improve reliability, and own low-cost power plants by directly competing in the burgeoning DG solar PV market; ultimately this will be good for them and good for ratepayers. However if you change the rules now you call off the battle. You prevent progress. That is antithetical to your proper role as regulators in the public's best interest.

There is no question that on the current trajectory customer-owned solar PV will continue to reduce revenue and ultimately cause significant pain to APS and it's remaining customers. That is of course what this fight is really all about. However, **the answer to this quandary is not to kill the DG solar PV industry but rather to FORCE APS TO PROPERLY RESPOND TO THIS NEW AND NOW VERY POWERFUL FREE-MARKET COMPETITION BY ENTERING IT THEMSELVES.** Do you want to really leave a historical mark as a utility regulator? Make that happen. This is your opportunity.

Please appreciate that customer-sited solar PV currently competes in a straight-up fair free market with net metering as it is. If a client wants to invest their own hard-earned money in a product that can create energy cheaper than APS then they should be allowed to. **Go ahead and eliminate incentives (solar is now so cheap it no longer needs them) and to be fair please also eliminate the bureaucratic hurdles to install but IF YOU CHANGE THE NET METERING RULES YOU DESTROY THE FREE MARKET AND ALL THE EFFICIENCY IT BRINGS.** You will be sailing against the winds of progress and the American free spirit. It is unpatriotic.

For APS to compete in this new reality the business model is already there - **APS must start owning DG solar just like SolarCity, SunRun, and the other leasing providers do. This is a competition APS can dominate and will ultimately benefit ratepayers but they do not want the fight; they are simply being lazy.** Per free-market principles and the public's interest you **MUST FORCE** them to enter this new world.

It is your proper duty to respect the free market and new technology. That is how you act in the citizens best interest. Thank you.

Hans Berg

Teresa Tenbrink

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Don Paisley
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There is no question that on the current trajectory customer-owned solar PV will continue to reduce revenue and ultimately cause significant pain to APS and it's remaining customers. That is of course what this fight is really all about. However, **the answer** to this quandary is **not to kill the DG solar PV industry but rather to FORCE APS TO PROPERLY RESPOND TO THIS NEW AND NOW VERY POWERFUL FREE-MARKET COMPETITION BY ENTERING IT THEMSELVES.** Do you want to really leave a historical mark as a utility regulator? Make that happen. This is your opportunity.

Please appreciate that customer-sited solar PV currently competes in a straight-up fair free market with net metering as it is. If a client wants to invest their own hard-earned money in a product that can create energy cheaper than APS then they should be allowed to. **Go ahead and eliminate incentives (solar is now so cheap it no longer needs them) and to be fair please also eliminate the bureaucratic hurdles to install but IF YOU CHANGE THE NET METERING RULES YOU DESTROY THE FREE MARKET AND ALL THE EFFICIENCY IT BRINGS.** You will be sailing against the winds of progress and the American free spirit. It is unpatriotic.

For APS to compete in this new reality the business model is already there - **APS must start owning DG solar just like SolarCity, SunRun, and the other leasing providers do. This is a competition APS can dominate and will ultimately benefit ratepayers but they do not want the fight; they are simply being lazy.** Per free-market principles and the public's interest you **MUST FORCE** them to enter this new world.

It is your proper duty to respect the free market and new technology. That is how you act in the citizens best interest. Thank you.

Hans Berg

Teresa Tenbrink

From: Ted Wiseman <ted@sus2.net>
Sent: Tuesday, November 12, 2013 10:55 PM
To: BitterSmith-Web
Subject: Approve Staff'on to Continue Net Metering (docket E-01345A-13-0248)s
Recommendati

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Ted Wiseman

3745 W IRONWOOD DR
PHOENIX, Ar 85051

Teresa Tenbrink

From: Diana Kaminski <dianakaminski@cox.net>
Sent: Tuesday, November 12, 2013 10:30 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: Pamela Rector
Subject: DO NOT change solar power initiatives, Reject APS's proposal

Dear AZ Corporation Commission elected officials;

I am an SRP customer who took out a home improvement loan, with a contract agreement to operate as a photovoltaic substation generating power into the grid for 20 years. This contract requires me to insure and maintain the panels and expensive inverter for the duration of time that the utility company receives the benefits of "green energy credits" from the Federal government. This legal contractual agreement provided benefits to the utility company, but does not benefit me for 12 years, when my "investment" is paid off, at which time, I will most likely need to pay for a new inverter! Our family took a gamble on solar, to help foster and support what Europe has done for decades, reducing our dependence on fossil fuels and helping be part of the solar solution to air pollution. The risks to us personally are great, but the public benefit to reducing air pollution from conventional power generation is also great.

NOW I hear that APS is proposing regulatory changes that would impact all new solar systems, and potentially impact existing solar systems when their current contracts expire. On a personal note, this infuriates me, that at the time I am finally covering my initial costs, where I might receive a return on the initial infrastructure investment, that they would now charge for their existing infrastructure that they would have regardless of my system installation. I should not be required to pay for infrastructure that they are required to maintain as part of their doing business.

Please reject APS's proposal to immediately alter net metering. All households with photovoltaic systems should be notified in advance to provide input on any Commission policy change to photovoltaic system charges.

APS was a HUGE promoter of photovoltaic systems, when it benefitted them financially to get credits for the alternative energy; I wonder if these same charges would be assessed to the many carports, ramadas, and roof tops of businesses and non-profits, who were sold on making this expensive property improvement that would cost a lot up front but would provide them long-term cost savings on energy.

Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; reduction on the peak period demand and system load (I am producing while others are consuming) and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Most Sincerely,
Diana Kaminski

Teresa Tenbrink

From: Jeff Chudy <greatalastor3@gmail.com>
Sent: Tuesday, November 12, 2013 10:01 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: referencing docket number E-01345A-12-0290

in reference to ASP tax on solar energy, i insist that you discourage this monopoly over such a giant resource. We have seen what a monopoly brings over and over again throughout this country's history. I must insist that such a monopoly not be set upon the very sun.

Aps has been launching all kinds of anti-solar campaigns using proxy companies and media that it's a wonder how they had the money for that. Its deplorable that they use children for these adds, and insulting if they expect us to believe what these children are saying.

if net metering is costing APS and this tax is the only way for aps to maintain its infustructur, then that is a different story. But if they expect to pay for those adds by implementing this tax, well that's a different story all together.

So please make the correct decision,

it's the sun for crying out loud!

Thank you for your time

-Jeff Chduy-

Jeffchudy.com

Teresa Tenbrink

From: Grand Canyon Trust <info@grandcanyontrust.org> on behalf of Solange Whitehead <solange@mlwsw.com>
Sent: Tuesday, November 12, 2013 9:39 PM
To: BitterSmith-Web
Subject: Our SUN/ Protect Jobs & Economic HEALTH, not a monopoly in Arizona - Net Metering works!

Nov 12, 2013

Commissioner Susan Bitter Smith
AZ

Dear Commissioner Bitter Smith,

I urge you to protect solar progress and a strong rooftop solar program in Arizona.

Arizona is now the national leader in solar energy production per capita due to the "net metering" policy that allows customers who have installed solar on their homes or businesses to receive fair market value for any excess energy that is sent back into the grid.

The net-metering policy produces substantial benefits. Solar producing customers are compensated fairly for excess energy generated. Other utility customers benefit by receiving clean, renewable energy through the grid. Progress in solar energy also reduces the need for costly new power plants and transmission lines, creates high-paying local jobs, and results in cleaner air for people and our environment.

The Commission's staff recently recommended that the ACC reject Arizona Public Service and instead address issues in 2016 in the next APS rate case. I encourage you to do that and to continue supporting progress in the rooftop solar program. With more than 300 days of sunshine each year, Arizona should be a leader in solar energy. Solar is a win-win for Arizona, and net metering is an essential part of that.

Please oppose proposals by Arizona Public Service to overturn Arizona's net-metering policy.

Sincerely,

Ms. Solange Whitehead
13281 N 99th Pl
Scottsdale, AZ 85260-4484

Teresa Tenbrink

From: William Rehkow <brehkow@cox.net>
Sent: Tuesday, November 12, 2013 9:11 PM
To: BitterSmith-Web
Subject: Your Meeting on Wednesday

Greetings,

I am a solar user and felt APS was quite supportive in the past but now the recent TV deluge of innocent children(it's always for the children!) and the guy stealing the chocolate syrup(from the children) makes one wonder APS's motives particularly in light of the fact they were sub rosa paying the PAC's that are running the ads. Is it dishonest? Is it legal? Maybe not but certainly unethical. I had an understanding with APS regarding net metering and expect them to fulfill their promise. My understanding is I sell them KW back a heck of a lot cheaper than they sell me so who is the freeloader?

What all of a sudden is this focus on "the grid"? My suspicion is most if not all, myself included, don't understand the issues of "the grid" , what it is, and how it is paid for. How about some transparency on that issue rather than assume everyone knows what the ads are implying. It is becoming(finally) sorta important to tell the truth AND keep your promises. Check with the White House.

Respectfully

William Rehkow

William Rehkow
brehkow@cox.net
480-419-8018

William Rehkow
brehkow@cox.net
480-419-8018

Teresa Tenbrink

From: KIMBERLY WOLD <kimberlywold@icloud.com>
Sent: Tuesday, November 12, 2013 7:56 PM
To: BitterSmith-Web
Subject: Letter from Prosper re: Net Metering



November 13, 2013

Commissioner Susan Bitter Smith
Arizona Corporation Commission
1200 West Washington Street
Phoenix, Arizona 85007

RE: Docket No. E-01345A-13-0248

Dear Commissioner Bitter Smith: *Susan*

I'd like to start by thanking the Commission for addressing the need to update Arizona's net metering policy, and for allowing Prosper an opportunity to share its perspective. It is clear that you and your staff have undertaken a careful examination of the issues presented by the existing policy, and we look forward to your discussion and consideration of the matter.

As an Arizona-based organization devoted to free enterprise, Prosper strongly supports changes that will address the basic fairness issues presented by the current policy. The subsidies provided under the current policy have resulted in an unfair burden on non-solar customers, and the situation is getting worse, not better.

It's very important to remember that this debate is not about solar on rooftops or anywhere else. It is about fairness for all ratepayers and ensuring that Arizonans continue to enjoy a reliable grid and a bright future.

Regardless of our state's net metering policy, individuals should be and are able to choose solar, and Prosper is strongly in support of preserving that choice. This is fundamental to the values of the free market. However, the free market requires that the opposite be true as well. Individuals should be free to choose not to install solar, and that choice should not carry an additional burden.

Again, this is about fairness, and a fair policy is just better. We ask you to support changes that preserve choice, including solar, while still ensuring fair rates for all customers and a strong, reliable grid. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Kimberly Wold".

Kimberly Wold
Executive Director, Prosper

Teresa Tenbrink

From: C Karlson <ckarlson@cox.net>
Sent: Tuesday, November 12, 2013 7:52 PM
To: BitterSmith-Web
Subject: Reform the net metering to eliminate the over-compensation of solar homeowners, and ensure they pay their fair share of the distribution system.

Susan Bitter Smith
Arizona Corporation Commission
1200 West Washington
Phoenix, AZ 85007-2996

Dear Ms. Bitter Smith,

I have been following the net-metering discussions with some interest. I have come to the conclusion that there is a change necessary in order to apply not only a fair and economical change, but one that serves the interests of both APS and the many solar providers and the homeowners.

Solar power is with us and it is a good technological achievement. Yet, it must be viewed as a generation asset only. It seems to me there is no other way to account for it other than treating it as a generation facility not unlike the others in the state, that tie into the grid, and provide energy during sunshine peak hours in the summer. Why should homeowners be treated any differently than the commercial providers? A kilowatt is a kilowatt. They all provide this power to the local electrical distribution system owned and operated by APS.

To that end, **the current method of net metering is not correct and must be reformed.** There needs to be a way to purchase the power from them at the market rate. In this way they are treated fairly as are the other APS customers.

A few other considerations are in order.

Rooftop solar provides power, but it does not provide reactive power which is an attribute necessary for electrical distribution.

Rooftop solar provides only when the sun is shining and to others only when in excess of the homeowner's demand.

Rooftop solar uses the local distribution system to provide power to their neighbors, and when it is not enough to provide the homeowner's power, they draw on that distribution system and the transmission system for power. Therefore, they need to pay for that access.

Therefore, the change to net metering is necessary to be fair, for all parties to pay their true costs.

Please change the rate structure so as to reimburse the rooftop solar as if it were a generator only - which it is.

Anything else would be unfair - why should the non-solar customers bear the burden of subsidizing the rooftop solar?

Please change the net metering rules so solar and non-solar APS customers may be fairly treated.

Sincerely,
Charles F Karlson, PE

Teresa Tenbrink

From: Scott Garbus <scottgarbus@yahoo.com>
Sent: Tuesday, November 12, 2013 5:54 PM
To: BitterSmith-Web
Subject: Solar Power in AZ Needs a Boost Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Although I am based in Arizona, I have lived in various parts of the world including China and Vietnam. It is shocking to me that in Qingdao, China (which is the same latitude as New York) the use of solar power was more widespread than in Arizona. Germany is the world leader in Solar Power and that isn't exactly a country that is synonymous with sunshine either. Arizona is the Saudi Arabia of sunshine, we need to tap in to this abundant resource so that we can be assured of continued economic growth in Arizona.

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Scott Garbus

11617 E. Sorrell Lane
Scottsdale, AZ 85251

Teresa Tenbrink

From: Shari Callaway <sharimcallaway@icloud.com>
Sent: Tuesday, November 12, 2013 5:17 PM
To: BitterSmith-Web
Subject: Taxing the Sun!

Regarding docket number **E-01345A-12-0290**:

I so hope that APS has not convinced you to tax the sun!

I am against APS net metering solar customers. I am not a solar customer now. I feel that people who have invested in solar do not need to be penalized by net metering. This decision in Arizona will likely affect the entire nation. Please don't give the electric companies this authority!

Warmest regards,

Shari
602-329-0513

Teresa Tenbrink

From: James Rhoads <jameserhoads@gmail.com>
Sent: Tuesday, November 12, 2013 4:18 PM
To: BitterSmith-Web
Subject: Save rooftop solar (Re: Docket # E-01345A-12-0290)

Dear Commissioner Bitter Smith,

I am writing in fervent opposition to the APS proposal to change the net metering system that is currently in place for Arizona's rooftop solar power providers.

The APS proposal is far too extreme. Based on the numbers I have seen, it would essentially eliminate any profit for those who have invested thousands of dollars in rooftop solar installations. Not only would the rate paid for electricity be reduced, but also the connection fees APS proposes to charge would eliminate most of the remaining income for a typical 5 kilowatt system.

This is not in Arizona's interest. Arizona has the opportunity to reduce its dependence on out-of-state coal and other fuels by developing our solar power potential. Rooftop systems are distributed energy generation, and their increasing use may reduce the demand for long distance power transmission, especially during peak air conditioning hours in our hot summers. Strong local demand for solar panels can also help develop a nascent solar power production industry in our state, a potentially important source of new high tech manufacturing jobs.

In my view, APS seeks to line their pockets by grabbing the profits from other people's investments. I am one of those investors, and if the APS proposal goes through, it will immediately reduce the resale value of my home. That would be a violation of the trust I placed in my utility and in the State government when I decided to spend my money on rooftop solar and not on something else. The amount of money APS hopes to pocket is indicated simply by the amount of money they have poured into advertising to sway public opinion in their favor.

While I'm not dogmatically opposed to examining the true cost and benefit of rooftop solar power, the APS proposal is literally a one sided power grab. If you are truly convinced that the current price structure for rooftop solar power is not fair to the utility, you should sponsor an independent study to reach a fair conclusion-- but under no circumstances should you confuse the APS calculation with notions of fairness.

If this proposal goes through, and if my own utility (SRP) follows suit, I will be tempted to disconnect my rooftop solar panels rather than donate the power to the companies. I talked to my neighbor about this today-- he also has rooftop solar-- and he and I agreed that it's not worth selling to the utilities under the APS proposal. I should point out that this is not a partisan issue-- it is a common sense issue. I doubt my neighbor and I have voted the same on almost any election in the last decade, but we can agree that this proposal is rotten. Please stand up and say no to it.

Best regards, James Rhoads
14429 S. 35th St.
Phoenix, AZ 85044
480-278-0192.

Teresa Tenbrink

From: Gerry Wolfe <devawolfe@yahoo.com>
Sent: Tuesday, November 12, 2013 3:32 PM
To: BitterSmith-Web
Subject: Please Vote to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Gerry Wolfe

1772 Madison Ct
Rio Rico, AZ 85648

Teresa Tenbrink

From: Betty Schneider <bettyboopsch1@gmail.com>
Sent: Tuesday, November 12, 2013 3:23 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Ref E-01345A-12-0290

I am writing to you to urge you to not to take away Net Metering for solar customers.

If you do this, that means the electricity we produce is being stolen by APS. Our solar panels are producing this electricity and why should we give it away.

I trust you will do the right thing and vote with the solar industry.

Thank you.

Betty Schneider
15534 N 136th Lane
Surprise, AZ, 85374
Phone 623-584-0439
bettyboopsch1@gmail.com

Teresa Tenbrink

From: Marge Pellegrino <margepell@comcast.net>
Sent: Wednesday, November 20, 2013 9:53 AM
To: BitterSmith-Web
Subject: Net Metering

AZ should lead the way in solar -- we support net metering and hope you will too.

It makes sense for AZ!

Marge and Steve Pellegrino
Tucson, AZ 85704

Teresa Tenbrink

From: Billie <billie1720@commspeed.net>
Sent: Sunday, November 17, 2013 8:29 AM
To: BitterSmith-Web
Subject: Net Metering

Please stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme for reforming net metering now.

Billie Helm
Camp Verde, AZ 86322

Teresa Tenbrink

From: Rose Verneti <rrvernetti@yahoo.com>
Sent: Saturday, November 16, 2013 2:13 AM
To: BitterSmith-Web
Subject: Net Metering

Dear Commissioner Susan Bitter Smith,

We do not want to pay for our neighbors' solar panels. Net metering forces utility companies to pay solar customers for the excess power their solar panels produce at a higher rate than the market dictates and forces homeowners that don't use rooftop solar to pay for those that do.

We are urging you to fix net metering so that it's fair for all Arizonans!

Sincerely,
Bob and Rose Verneti
Kingman, AZ

Teresa Tenbrink

From: John Fellows <avianoasis@icloud.com>
Sent: Friday, November 15, 2013 2:48 PM
To: BitterSmith-Web
Subject: Net Metering

According to an article on AZ Central the following is the average cost of line charges to customers of electrical companies.

Based on APS estimates, the average non-solar customer pays about \$1.40 or so a month to pay for power-grid expenses that are avoided by the more than 18,000 solar users.

So, if \$1.40 is the average cost of a customer dependent on the grid for all their power, why do people who invest tens of thousands of dollars their own money have to pay \$5 or more to install solar and help produce the power AZ needs?

This seems quite unfair to the civic minded individuals who invest in the clean energy future of Arizona.

A reply with accurate facts is appreciated,

Sincerely,
John Fellows, Maj, USAF, Ret
Sent from my iPad

Teresa Tenbrink

From: Larry Merrix <lmerrix@solarcity.com>
Sent: Thursday, November 14, 2013 4:15 PM
To: BitterSmith-Web
Subject: Net Metering

My name is Larry Merrix and I am a 30 year resident of Mesa, AZ and an SRP Customer.
I am an employee of SolarCity and a proponent of Rooftop Solar.

I would like to ask the commission members, what evidence have APS and their Allies provided to substantiate their claim that they are losing money because of Rooftop Solar?

Additionally how can APS make the claim that homeowners, schools, municipalities and businesses that have Rooftop Solar are hurting those that do not, therefore vilifying those members in our community?

I would infer that the commission and its staff, whom are not actuaries, experts in the electricity and or the solar industry would not be able to render a fully informed, reasonable or equitable decision on this matter.

Therefore to single out specific segments of the populous and arbitrarily throw out recommendations and numbers to tax or penalize those in that position or those people wanting to participate in said position may be irresponsible.

If you vote for any change in the current without having non bias data developed and verified prior to making a decision it would be a disservice to every citizen in the state of Arizona.

Until there can be a true HEARING with evidence that is verifiable it may be better to wait for a period of time before making your decision.

To tax or penalize the people of Arizona will have a far reaching negative effect that could harm the economic wellbeing of our state for many years to come.

I am sure you all know and understand that the nation is watching and the outcome may enhance or stifle an industry that could help our country become self-reliant and economically stronger.

Please support the People not the Monopolies.

Thank you,
Larry Merrix
480-232-5344

Larry Merrix | Direct Energy Consultant | SolarCity | T: 480.268.3438 | lmerrix@solarcity.com | www.solarcity.com

Teresa Tenbrink

From: Oltman Robotics <oltmanrobotics@gmail.com>
Sent: Thursday, November 14, 2013 3:39 PM
To: web@azcc.gov; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: net metering

Keally, i had to leave before i was called to speak yesterday. watching the live feed now i would suggest if the acc had solar maybe they could turn the ac on. :) if you can find anyway to give my protest against the aps proposal i would appreciate it. i'll pass it here and you can fine tune it if you want.

my speech:

"I want to thank you for giving me this opportunity to speak here today. But, this isnt about me, this is about the future of Arizona and our communities. We have a great opportunity in this state right now. We can set an example for the rest of the country.

There are so many technological advances that are going on right now that will amaze people. Advances in the medical field, advances in consumer and industrial electronics, advances in manufacturing, the automotive industry, space exploration and in particular relevant to this discussion solar energy.

We live in a very exciting time with many opportunities. I believe we are on the front edge of a golden age of technological advances that will benefit all of humanity. We do not want this to pass us by. the future, A train of progress and advancement is coming our way. We do not want to be standing in front of this train or we will be ran over and left behind.

Which brings us to the solar industry. We are in a unique opportunity in az to capitalize our assets that we are blessed to us by the given energy of the sun and we are positioned in the right place and the right time. Change is the way of the future and sometimes with change comes resistance but it's best for us to move away from past thinking and move toward the future when it's for the betterment of humanity and society.

With this unique opportunity, we in the state of Arizona, can lead in this area and set an example. We were once known as the silicon valley of the desert. We have the opportunity to get that title back, by setting an example here with the right decision. We can show entrepreneurs who want to start a business, talented individuals who want to move here, and companies who might consider to relocate to Arizona, that we will not set up roadblocks, but will be friendly and open-minded to their ideas and that we have a vision of the future. .

This is a very important decision that will affect our future and is deserving of very careful consideration. What none of us wants to hear when we turn on CNBC after this decision is made is that the headline is, "Arizona, the state of sunshine, hates the solar industry. arizona kills the solar industry and has decided to be left behind."

I think what everyone wants to hear is, "Arizona embraces the solar industry and becomes a leader." "

let me know how it goes there, bob stump seems to be leaning against net metering to me.

Thank you, jeff oltman

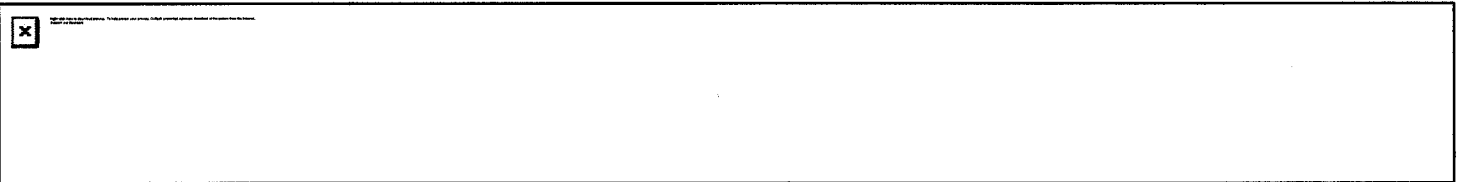
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Teresa Tenbrink

From: RenewableEnergyWorld.com <no-reply@web.RenewableEnergyWorld.com>
Sent: Wednesday, November 20, 2013 1:34 AM
To: BitterSmith-Web
Subject: Renewable News: Will Floating Offshore Wind Turbines Drive Japan's Renewable Energy Future?

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Renewable Energy Solar Energy Wind Energy Geothermal Energy Bioenergy Hydro

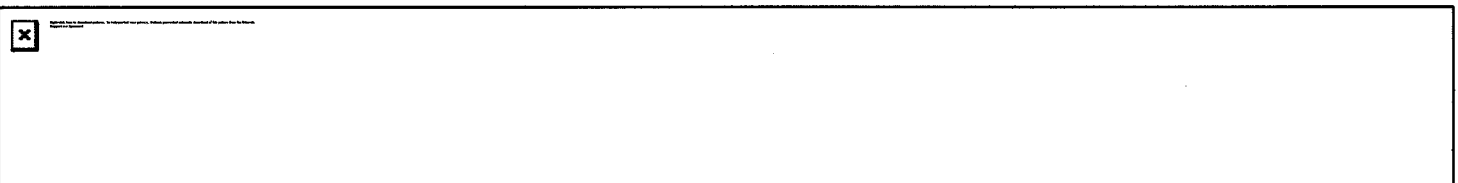
International Geothermal Market Set for Development Boom but Challenges Remain

by *Meg Cichon, Associate Editor, RenewableEnergyWorld.com* | November 19, 2013 | [Post Your Comment](#)



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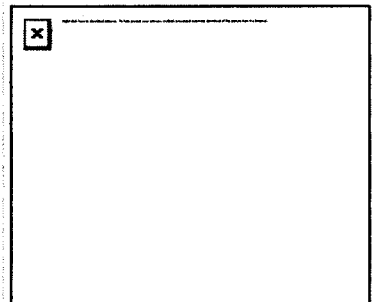
TOPNEWS



Who's Winning the Net Metering Debate Now?

by *James Montgomery, Associate Editor, RenewableEnergyWorld.com* | November 18, 2013 | [3 Comments](#)

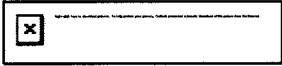
After Arizona's decision to keep net metering but add a small fixed charge, we asked around the industry: who won, who lost, and what precedent does this set for battles in other states? [Full Article](#)





Obama Messes with the US Renewable Fuel Standard

by *Jim Lane, Biofuels Digest* | November 19, 2013 | 1 Comment



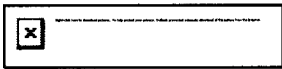
In Washington, the EPA released its 2014 proposed standards and volumes for renewable fuels. The volumes, as widely expected, include substantial reductions from the statutory standards in the original Energy Independence & Securi... [Full Article](#)

COMMENTARY



Floating Offshore Wind Turbines Could Drive Japan's Renewable Energy Future

by *Chris Rose* | November 18, 2013 | 1 Comment



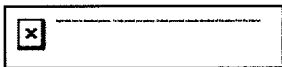
Less than three years after the disaster at a nuclear power plant in Fukushima, a hotly-anticipated floating offshore wind turbine began operating 20 kilometres from the damaged site on Monday. A number of news organisations repor... [Full Article](#)

BLOG



Listen Up: NREL Reports on the Costs of Rooftop Solar

by *The Energy Show on Renewable Energy World* | November 15, 2013 | 2 Comments



Costs are consistently the hottest topic of discussions in the solar industry. We all want to reduce solar costs, but we also have a tendency to focus on our own component or value chain costs. Unfortunately, lowering individual c... [Full Article](#)

COMMENTARY



Four Things You Should Know about Adding Battery Backup to Solar

by *Harvey Wilkinson, General Manager, OutBack Power* | November 15, 2013 | 3 Comments



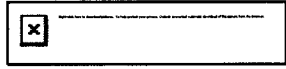
There is a shortcoming with grid-tied photovoltaic (PV) energy systems of which owners are often unaware until an emergency: Although grid-tied systems can save money and earn their owners incentives while the sun is shining and t... [Full Article](#)

COMMENTARY



Ria Persad Named POWER-GEN 2013 Woman of the Year

by Jennifer Runyon, Chief Editor, RenewableEnergyWorld.com | November 18, 2013 | Post Your Comment



StatWeather Founder and President Ria Persad was announced as the recipient of Renewable Energy World and Power Engineering's first POWER-GEN Woman of the Year Award last Monday during the Annual Awards Gala at POWER-GEN Internati... [Full Article](#)

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Geothermal Resources Council Announces President-Elect

Spotlight on Solar Success: Circular Energy to Speak at December's Solar 1st Saturday

GeoAMPS joins national GIS Day observance

ReneSola Wins 53.5MW Utility Scale Project in Southern Texas

NLP Solar Sales Training Nov 20th & 21st

Hawaii Faces New Solar PV Rules by Utility

Siemens reveal lucrative opportunities in South African wind market

Hydro Buyers' Guide website update provides great new features

Wind Developer Congress launches in Berlin next month

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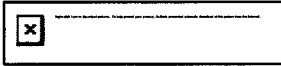


Apricus, Inc.

Apricus is a leading designer and manufacturer of solar hot water and hydronic heating products for residential and commercial use. With a rapidly growing distribution network throughout North America, offices in the USA, Australia, UK, Romania, Jordan and China, and representation in over 30 countries; their range of renewable energy products provide simple and effective solutions for families and businesses concerned about the effects of climate change and

rising energy costs.

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Teresa Tenbrink

From: Karl Channell <noreply@formresponse.com>
Sent: Tuesday, November 19, 2013 5:37 PM
To: BitterSmith-Web
Subject: Save Solar Energy!

Dear Commissioner Bitter Smith,

I am a voter and an APS customer. I am writing to urge you to protect net metering.(Docket number- E-01345A-13-0248).

APS has proposed an aggressive tax on solar customers, either in the form of a radically reduced rate of payment for power sent back to the grid or a substantial charge to their monthly bill.

I support rooftop solar in our state as an important industry and a means for Arizonans to have a real energy choice. These proposed taxes will effectively end the residential solar industry in Arizona. Please vote to protect net metering in APS.

Thanks,

Karl Channell

mail@karlchannell.com

Teresa Tenbrink

From: Tom Broderick <tbbflag@npgcable.com>
Sent: Tuesday, November 19, 2013 3:51 PM
To: Utilities Div - Mailbox; RBurns-Web; Stump-Web; Burns-Web; Pierce-Web; BitterSmith-Web
Subject: RE: APS net metering case E-01345A-13-0248 comments
Attachments: solar letter 11-8-13.docx

Good afternoon:

I sent this input on 11/8 to each Commissioner and to the Utility Division for the vote on this case that took place on 11/13. However, I have searched through the consumer letters and petitions on the docket as posted on the ACC site and do not see my letter at all.

My question is: was my letter received by this group and is there some reason that it was not docketed? My further question is, what process is the best to ensure that input is received and docketed? I see that consumer letters dated in the letter days after mine are there.

Since I am not forwarding, but doing a reply to all, my letter was not carried over as an attachment, so I again attached the letter. The original email sent on 11/8 did have this letter attached. I did not get any return emails indicating there was a problem with delivery.

Thank you. Since my letter was in opposition to the actions filed for by APS, thanks to the Commission as a whole for the action they took. We will all be discussing this further and there are considerations that I did not cover that I will cover again in the future as this comes up again, as it will.

Tom Broderick
4279 E. Coburn Dr.
Flagstaff, AZ 86004
928-527-8036

From: Tom Broderick [mailto:tbbflag@npgcable.com]
Sent: Friday, November 08, 2013 9:07 AM
To: 'mailmaster@cc.state.az.us'; Bob Burns (rburns-web@azcc.gov); Bob Stump (stump-web@azcc.gov); Brenda Burns (burns-web@azcc.gov); Gary Pierce (pierce-web@azcc.gov); Susan Bitter Smith (bittersmith-web@azcc.gov)
Subject: APS net metering case E-01345A-13-0248 comments
Importance: High

Commissioners:

Please attached find my comments on this case you will decide next week. I am urging you to not make any changes to the net metering arrangements until 2016 when rooftop solar may stop adding units nationally. There are also several other reasons to not alter this arrangement at this time.

Tom Broderick
4279 E. Coburn Dr.
Flagstaff, AZ 86004
928-527-8036

Teresa Tenbrink

From: rsimon.5@q.com
Sent: Tuesday, November 19, 2013 1:51 PM
To: Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Net-Metering follow-up

Just a follow-up email to all of you regarding the net-metering issue. Thanks again by the way for your ruling against APS. It was a huge positive decision for AZ residents.

I truly hope that any future APS financial monitoring will be performed by an unbiased firm that can be truly trusted to report accurate facts. It's so disappointing that APS distorted and misrepresented the facts for their advantage. It's obvious APS can NOT be trusted to give accurate information. Unless it's documented outside APS's control, how will the residents of AZ know for a fact that all necessary information will be collected and reported honestly?

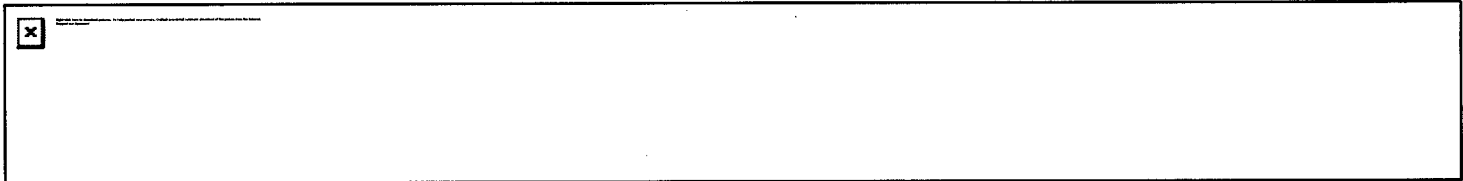
I hope this will be taken into consideration moving forward.

Thank you all for your time and being fair to AZ residents.

Bob Simonetti

From: RenewableEnergyWorld.com <no-reply@web.RenewableEnergyWorld.com>
Sent: Tuesday, November 19, 2013 3:14 AM
To: BitterSmith-Web
Subject: Solar News: Solar and Energy Efficiency Securitization Emerge

Register or Sign-In View Online Version Tuesday, November 19, 2013

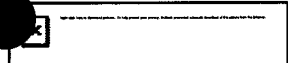


Renewable Energy Solar Energy Wind Energy Geothermal Energy Bioenergy Hydro

Lithuanian FIT Cuts Dampen Solar Development, But Net-Metering May Rekindle Industry



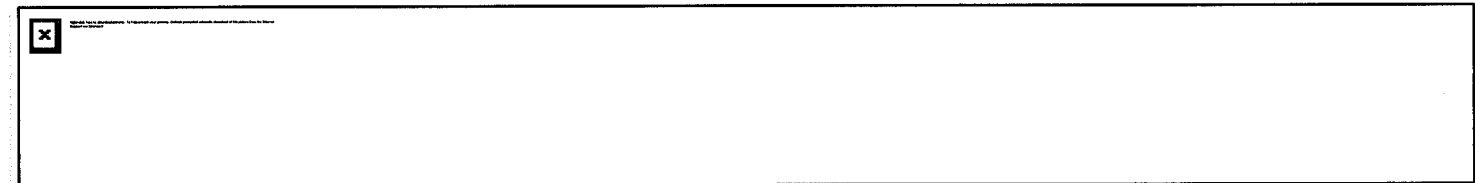
by **Linas Jegelevicius, International Correspondent** | November 18, 2013 | [Post Your Comment](#)



The early 2013 decision of the Lithuanian government to slash the generous feed-in tariffs (FITs) has dealt a blow to the solar industry in the Baltic country. However, those who stayed in the solar business scrambled to launch or...

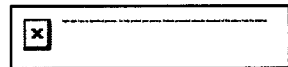
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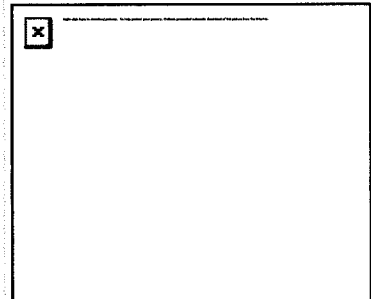


Who's Winning the Net Metering Debate Now?

by **James Montgomery, Associate Editor, RenewableEnergyWorld.com** | November 18, 2013 | [Post Your Comment](#)



After Arizona's decision to keep net metering but add a small fixed charge, we asked around the industry: who won, who lost, and what precedent does this set for battles in other states? [Full Article](#)



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Ria Persad Named POWER-GEN 2013 Woman of the Year

by *Jennifer Runyon, Chief Editor, RenewableEnergyWorld.com* | November 18, 2013 | [Post Your Comment](#)



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Solar and Energy Efficiency Securitization Emerge

by *Kat Friedrich, Clean Energy Finance Center* | November 18, 2013 | [Post Your Comment](#)



Organizations are beginning to securitize solar and energy efficiency loans to allow greater levels of investment. Securitization involves pooling loans to create consolidated securities that investors can purchase. Recently, Sola... [Full Article](#)

COMMENTARY



Suntech Shines a Spotlight on Its Government Ties

by *Doug Young* | November 15, 2013 | [Post Your Comment](#)



As the sun rapidly sets on former solar pioneer Suntech (OTC: STPFQ), I thought I'd take a look at the latest reports that show just how closely the company relied on state support. At the same time, another major development has ... [Full Article](#)

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A New Solar Sales Bible: Commercial Solar, Step-By-Step

by *UnThink Solar, Tor 'Solar Fred' Valenza* | November 18, 2013 | [Post Your Comment](#)



Commercial Solar: Step-By-Step by Jim Jenal, founder of Run on Sun, a NABCEP solar installer based in Pasadena, California, is a terrific new sales resource for both commercial solar customers — and for commercial solar sales pros... [Full Article](#)

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STIER Selects Kompact Grid as Partner in Romania

geoAMPS joins national GIS Day observance

ReneSola Wins 53.5MW Utility Scale Project in Southern Texas

NLP Solar Sales Training Nov 20th & 21st

Hawaii Faces New Solar PV Rules by Utility

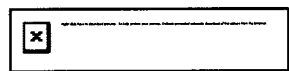
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Procurement Attorney

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Teresa Tenbrink

From: lynda cunningham <lyndasva@gmail.com>
Sent: Monday, November 18, 2013 8:04 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

lynda cunningham

279 S Desert Ave
Litchfield Park, AZ 85340

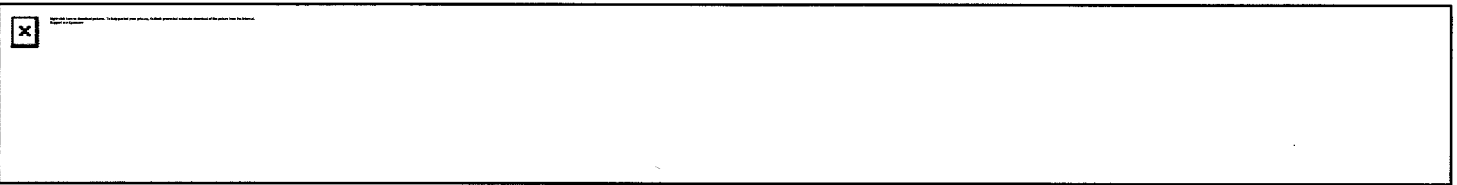
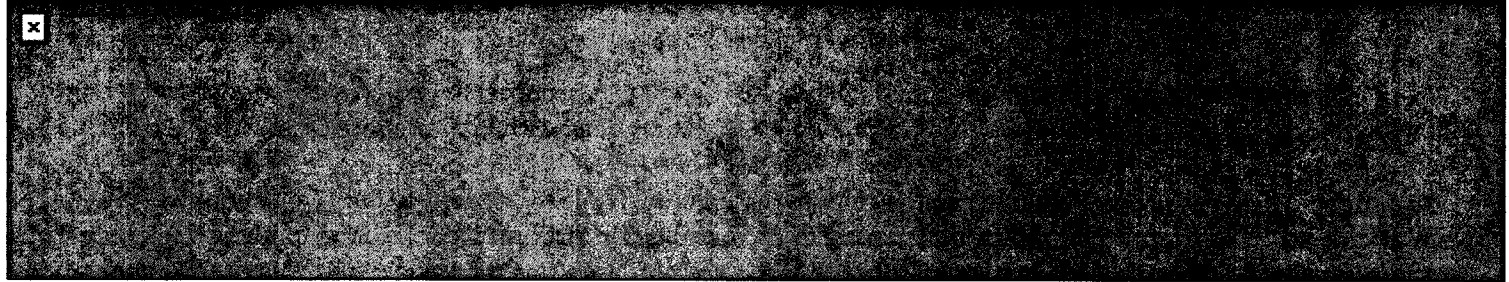
Teresa Tenbrink

From: no-reply@web.RenewableEnergyWorld.com
Sent: Saturday, November 16, 2013 2:24 AM
To: BitterSmith-Web
Subject: Solar News Weekend Edition: Industry Reacts to Arizona's Net Metering Decision

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Saturday, November 16, 2013



Renewable Energy

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Mixed Result: Arizona Keeps Net Metering, But Levies Smaller Solar Fee



by James Montgomery, Associate Editor, RenewableEnergyWorld.com | November 15, 2013 | 2 Comments



In one of the more closely-watched solar energy policy decisions in recent memory, the Arizona Corporation Commission (ACC) has ruled after two days of hearings to keep its net metering program, but implement a fixed fee of \$0.70 ... [Full Article](#)

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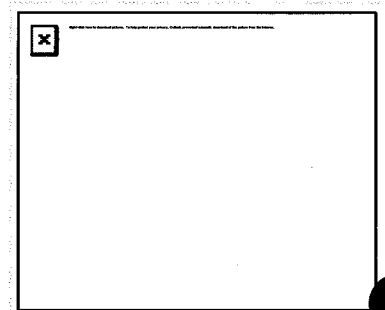


Listen Up: NREL Reports on the Costs of Rooftop Solar

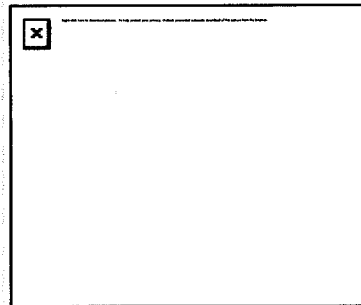
by The Energy Show on Renewable Energy World | November 15, 2013 | [Post Your Comment](#)



Costs are consistently the hottest topic of discussions in the solar industry. We all want to reduce solar costs, but we also have a tendency to focus on our own component or value chain costs. Unfortunately, lowering individual c... [Full Article](#)



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Four Things You Should Know about Adding Battery Backup to Solar

by *Harvey Wilkinson, General Manager, OutBack Power* | November 15, 2013 | [Post Your Comment](#)



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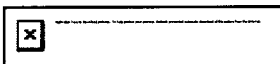
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COMMENTARY



Does Your State Have the Right Stuff to Build a Clean Energy Economy?

by *Laurel Passera* | November 14, 2013 | [1 Comment](#)



To help you answer this question, last month, IREC, along with the Vote Solar Initiative, released our annual Freeing the Grid report card for state net energy metering (NEM) and interconnection policies. After seven years of grad... [Full Article](#)

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Dutch VPP using Solar PV and Fuel Cell Tech

by *David Appleyard* | November 14, 2013 | [Post Your Comment](#)



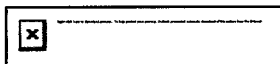
The Dutch island of Ameland is to be the location of a novel Virtual Power Plant (VPP) trials based around 6 MW of solar PV capacity and 45 fuel cell-based micro-combined heat and power (m-CHP) units. [Full Article](#)

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Ria Persad is the Power-Gen 2013 Woman of the Year

November 8, 2013 | [Post Your Comment](#)



Ria Persad, founder of Statweather which provides probabilistic weather prediction tools for weather risk management for the power industry, was named the POWER-GEN 2013 Woman of the Year this week. The company provides weather ri... [Watch Video](#)



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November Solar 1st Saturday: Finding Federal Solar Opportunities | Austin Solar: 2013 In Review & 2014 Goals

Array Technologies Finalizes Shipments to a 265MW Solar Project in Calexico, CA

Intersolar India 2013: India's Largest Exhibition and Conference for the Solar Industry gets underway

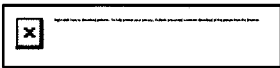
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KACO new energy, Inc. - San Antonio, TX
Head of Services - North America

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KMB Design Group, LLC - Wall, New Jersey, NJ Senior Structural Engineer – Facilities & Energy Engineering

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Teresa Tenbrink

From: Gabby=reagan.com@mailgun.org on behalf of Gabriela <Gabby@Reagan.com>
Sent: Friday, November 15, 2013 7:26 PM
To: BitterSmith-Web
Subject: Real Net Metering Reform

Dear Commissioner,

All Arizonans benefit from a reliable electrical grid that sustains our economic and population growth and powers our critical infrastructure, such as water facilities, hospitals, schools, and more. The successful adoption of solar in our community has not lessened the need for a reliable grid, and solar users continue to need access to the grid just like non-solar users. The challenge we now face is that the net metering subsidies designed to spur the adoption of solar are outstripping their benefits, and the situation is only going to get worse unless you vote to reform the system now.

If more individuals receive subsidized power, there will be fewer who remain to foot the bill for the grid. That is not sustainable.

In a free market, individuals should be able to choose solar, and many stand in support of preserving that choice. But utilities subject to the existing net metering policy are being forced to pay solar users more than three times the market price, and other Arizonans are left paying the bill.

This is NOT about solar. It is about fairness and ensuring reliable power. Solar has a bright future in Arizona. Arizona is number one in total installed solar capacity per capita, and ranks second, behind California, for total installed solar energy capacity. Updating the state's net metering policy will protect our commitment to solar, but not doing so would jeopardize our ability to provide a reliable power grid for future Arizonans.

I urge you to vote for net metering reform this year.

Sincerely,

Gabriela Saucedo Mercer

Teresa Tenbrink

From: Mike Mitchell <beemer1222@yahoo.com>
Sent: Friday, November 15, 2013 5:46 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: ACC Decision and APS Net Metering

I applaud the ACC for the courage to continue to advancing Arizona's and America's effort to help generate alternative energy. In our community and our community circles we all see the same thing, the millions APS spent in false campaigns and the three separate letters we as solar owners received from AP,S all design to pacify the current owners, and then vilify them for being owners. America must continue to evolve and continue towards a energy independence, residential solar with net metering is a good start and part of the solution.

"Keep doing what you did and you'll get what you got"

We need to continue to change. We all have to opportunity to be change managers versus change resistors.

From: Mike Mitchell <beemer1222@yahoo.com>
To: "pierce-web@azcc.gov" <pierce-web@azcc.gov>; "burns-web@azcc.gov" <burns-web@azcc.gov>; "stump-web@azcc.gov" <stump-web@azcc.gov>; "BitterSmith-web@azcc.gov" <BitterSmith-web@azcc.gov>; "RBurns-web@azcc.gov" <RBurns-web@azcc.gov>
Sent: Friday, July 12, 2013 3:21 PM
Subject: Fw: Net Metering

To All at the ACC: Today the Arizona Republic reported APS their intentions. According to the Article the proposal would raise \$50 to \$100 dollars per customer who install Solar. Jeff Guldner APS senior Vice president is quoted as saying "Solar Customers tend to be more affluent". Just as I posted below I'm a service member, I'm not affluent I'm responsible. My neighborhood is not affluent just responsible. I work hard, pay my bills and save my money. I read all the proposals an it's nothing but a monolistic company taking advantage of the middle income. APS is a huge tax paying entity in AZ. So who is the ACC looking out for?

All the proposals, keeping net metering, paying customers marginal rates, changing rate plans ect, are all number manipulations. As the saying goes numbers lie and liars use numbers. So here are some numbers they utilize.

APS is a publicly traded company under the ticker symbol PNW which is Pinnacle West Capital.

APS is a 6.4 Billion dollar market cap company.

In the last 10 years APS has increased it's market cap by 40% or 2.6 Billion Dollars.

According the company's current financial report it's operating expenses have went from 1.7 Billion in 2009 to current 1.46 Billion, so to say they're spending more is certainly not what they are reporting to the SEC.

APS net income has more than doubled from 242 million in 2008 to 414 million in 2012 (2013 not available).

APS Balance sheet shows their total assets increased by almost 2 billion while their total liabilities reduced by over 500 million.

APS cash flows have increased dramatically from 242 million in 2008 to 446 million in 2012.

Executive compensation has went from 14.37 million to 30 million in five years. And APS senior executives have the audacity to classify me as affluent.

The key insiders are holding 20 million dollars in APS stock including the APS CEO and Chairman Donald Brandt holding 5 million of this.

How much is enough? Why is the real affluent always able to buy their way to success on the back of middle class Americans like me? This is not a company being under paid in anyway shape or fashion.

There is nothing in the article or the company's numbers which indicate they are losing money. If they are, then they choose to use favorable numbers when reporting their Income statement, Balance sheet and Cash flow statement to the SEC, and choosing other numbers when it suits them.

APS quotes in the article and projected proposals are nothing more than highly paid manipulated numbers and lies designed to extract more from the middle class at any cost.

ACC or assistance or hired help can review the same financials I have. To say it is unfair as Jeff Guldner has is ludicrous.

WHERE DOES IT END, and more importantly who has the courage to stand up to them? This is not about APS or the solar industry it's about the voters and middle class responsible Americans!

Michel A. Mitchell

United States Army

----- Forwarded Message -----

From: Mike Mitchell <beemer1222@yahoo.com>

To: pierce-web@azcc.gov; burns-web@azcc.gov; stump-web@azcc.gov; BitterSmith-web@azcc.gov; RBurns-web@azcc.gov

Sent: Tuesday, June 4, 2013 11:01 AM

Subject: Net Metering

To the Arizona Corporate Commissioners:

I'm a solar owner/supporter, an Active Duty Service Member of 25 years of service, a voter and a utility customer and I am writing to urge you to protect net metering. Net metering was/is offered to as an arrangement that ensures solar customers receive fair credit for the valuable clean power they deliver to the grid for others to use during daytime hours. It is one of the most important policy tools the Commission has for empowering homes, business

Teresa Tenbrink

From: Patrick Farrant <pfarra1@outlook.com>
Sent: Friday, November 15, 2013 4:56 PM
To: BitterSmith-Web
Subject: Please keep Net Metering in place

Dear Commissioner Susan Bitter Smith,

Please keep Net Metering in place!

I am writing you regarding APS's desire to, in effect, shut-down the advantages of going solar and killing Arizona's burgeoning Solar Industry.

APS is mandated (I'm not sure of the actual numbers) to be getting, by 2025, approximately 25% of their electricity from renewable (none fossil fuel and none nuclear) sources. In this great State of Arizona, we do have one thing in abundance – Solar Energy!! I don't understand why the Koch brothers are behind killing the Solar Industry in this Great State, but PLEASE don't let APS be their pawns in doing so!!!

I'm proud that so many Arizonans are being part of the solution moving away from polluting energy, both fossil and nuclear fuels. APS shouldn't 'penalize' Arizonans for doing the right thing, they should continue to be incentivized. Keeping the infrastructure built and maintained properly is already part of the APS budget. Question: if a private company built a natural gas burning power plant and contracted with APS to buy their energy, would not APS, as part of their costs of doing business, put the cables in place and maintain that infrastructure to receive the plant's energy? How is it any different for a rooftop power plant?

Every house in APS's area has already been connected to the grid, that is part of APS's cost of doing business and they *should* be the ones maintaining that infrastructure, they are the experts after all! When a homeowner invests in putting a solar Power Plant on their property they shouldn't have to pay more for generating power for APS. They should, as does a gas-powered plant, be paid for generating power *for* APS!

Please keep Net Metering in place. Keep the incentive for a homeowner to be part of the solution and bring clearer skies, better air to breathe and cause less enriched-uranium to be produced! Support Arizona's growing Solar Industry and the revenue it brings to the Great State of Arizona!!

Sincerely,

Patrick Farrant

Teresa Tenbrink

From: Kris Mayes <Kris.Mayes@asu.edu>
Sent: Friday, November 15, 2013 4:52 PM
To: lbrug@az.gov; bitter-smith-web@azcc.gov
Cc: BitterSmith-Web; Darlene Lester
Subject: Tribal Energy Conference
Attachments: Questions for the Panel.docx

Hi Susan and Leisa,

Wanted to touch base with you regarding next week's panel on state energy policies for the Legal Landscape of Tribal Energy Landscape Conference. I thought we would make this as informal as possible, with a Q & A session between the three of us. I will provide each of you about 10 minutes to talk about yourselves and an energy issue that is front and center in your world (Commissioner, I'm assuming net metering is freshest in your mind, but certainly open to hearing about anything else from you :) and then we will launch into questions from me to you. I've developed a list of questions that I will work from (attached above, will refine the list over the weekend, and will send you the final list on Monday.

Let me know if that sounds copacetic.

It might be good to have a quick call about this before the session, but I know how busy you both are. If you have fifteen minutes next week, please send me some available times and I will give you a ring.

Hope all is well with you both and am looking forward to seeing you soon.

Kris

Teresa Tenbrink

From: Ana <anaabudimir@yahoo.com>
Sent: Friday, November 15, 2013 3:16 PM
To: BitterSmith-Web
Subject: solar companys that are on the take and are out to use the Arizona citizens while robbing them.

I oppose the Obama/Sierra Club/Goldwater scheme and their catering to California companies of ill repute and ask you to do the right thing, by reforming net metering now. Please vote with clarity and commonsense, of which there is too little of anymore in political circles. Do not allow the kickbacks to continue and allow my utilities to raise again.

I am a registered voter in the 50's age range, and am begging you for sanity on all issues you vote on.

Thank you.
Ana A. Budimir
South Scottsdale, Arizona
resident of 26 years.



*"Presently my soul grew stronger;
hesitating then no longer,
"Sir," said I, "or madam,
truly your forgiveness I implore;
But the fact is, I was napping,
and so gently you came rapping,
And so faintly you came tapping,
tapping at my chamber door,
That I scarce was sure I heard you."
Here I opened wide the door;—
Darkness there, and nothing more." -Poe-*

Teresa Tenbrink

From: Michael Fiflis <fifm@cox.net>
Sent: Friday, November 15, 2013 12:34 PM
To: RBurns-Web; Pierce-Web; Stump-Web; BitterSmith-Web; Burns-Web; Utilities Div - Mailbox
Subject: Docket # E-01345A-13-0248

This is an email I sent earlier with the wrong docket number.

Dear Commissioners:

I write as a concerned citizen, a Scottsdale homeowner, and an APS customer who does not have solar.

Solar energy is good for our economy, our environment and our national security. Arizona has one of the best climates in the world for solar energy. Clean energy in the form of solar, particularly rooftop or DG solar, should be strongly encouraged – especially here where it is so easy to produce.

APS's net metering proposal runs contrary to these facts. As a legislated monopoly, APS enjoys a guaranteed profit – with or without solar. There is thus no reason to discourage solar by burdening those who wish to produce solar electricity.

I suggest looking to other models and rate structures, such as those in countries that have enjoyed great success with solar and great independence from foreign oil and other external energy sources.

In sum, APS should go back to the drawing board to develop a proposal that encourages solar investment by its customers. I ask that you reject APS's net metering proposal.

Thank you.

Michael Fiflis
7454 E. Camino Rayo de Luz
Scottsdale, AZ 85266

Teresa Tenbrink

From: Sierra Club <information@sierraclub.org> on behalf of Andrew Simpson <opa.simpson@gmail.com>
Sent: Friday, November 15, 2013 9:26 AM
To: BitterSmith-Web
Subject: Protect Solar Rights in Arizona-Net Metering Docket E-01345A-13-0248

Nov 15, 2013

Commissioner Susan Bitter Smith
1200 W. Washington - 2nd Floor
Phoenix, AZ 85007

Dear Commissioner Bitter Smith,

I urge you to protect solar rights and a strong rooftop solar program in Arizona.

We MUST encourage development of solar power in Arizona.

With more than 300 days of sunshine each year, Arizona should be a leader in solar energy. An important component of this solar energy is distributed generation via residential roof-top systems. This assists consumers by powering their energy needs with clean, renewable energy, but any excess energy can also be sent back into the grid, reducing the need for the utility company to produce extra energy while benefiting other customers.

Net metering is one of the most important issues with regards to distributed generation. Net metering ensures that solar customers get fair credit for any energy that is sent back into the grid from their systems. It would not be fair, and it doesn't make sense, not to pay these generators the fair market value for the energy they generate.

Recently, the ACC staff recommended that this issue be addressed in 2016 in the next APS rate case. I encourage you to do that and, in the meantime, to support a strong rooftop solar program.

A recent study found that because of net metering, APS customers alone will receive \$34 million in grid benefits each year, starting in 2015.

These benefits range from delaying the need for additional grid infrastructure and power plants, which saves a substantial amount of money, as well as reducing pollution and the associated impacts on public health and the environment.

Solar is a win-win for Arizona, and net metering is an important part of that. Please stand up for Arizona's solar rights by protecting and promoting net metering and rejecting the two proposals being offered by APS.

Thank you for considering my comments.

Sincerely,

Mr. Andrew Simpson
2531 E 22nd St
Tucson, AZ 85713-2003

Teresa Tenbrink

From: RenewableEnergyWorld.com <no-reply@web.RenewableEnergyWorld.com>
Sent: Friday, November 15, 2013 1:32 AM
To: BitterSmith-Web
Subject: Renewable News: Live Reports from REWNA; Making Renewable Energy Siting Easier

Register or Sign-In View Online Version Friday, November 15, 2013



Renewable Energy

Solar Energy

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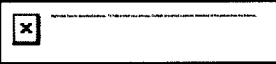
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Hydro

Asia Report: China Ascending to Solar PV Pinnacle



by *Renewable Energy World Editors* | November 13, 2013 | [Post Your Comment](#)



China has been the largest solar photovoltaic (PV) manufacturer for several years now, but it's also emerging as a massive end-market.

[Full Article](#)

TOPNEWS



Does Your State Have the Right Stuff to Build a Clean Energy Economy?

by *Laurel Passera* | November 14, 2013 | [Post Your Comment](#)



To help you answer this question, last month, IREC, along with the Vote Solar Initiative, released our annual Freeing the Grid report card for state net energy metering (NEM) and interconnection policies. After seven years of grad... [Full Article](#)

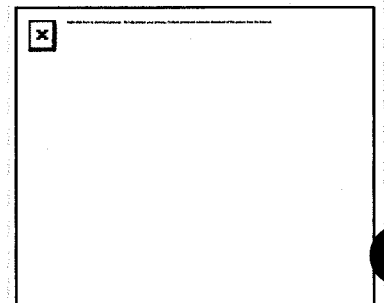
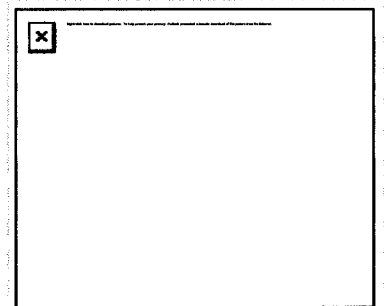
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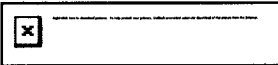
BLOG



Growing Algae to Produce Clean Fuel and Offset Carbon Emissions

by *Meg Cichon, Associate Editor, RenewableEnergyWorld.com* | November 13, 2013 | [2 Comments](#)





A typical day in Orlando, Florida is hot, humid, and sunny – the perfect environment to grow some algae. On Monday afternoon, Power-Gen and Renewable Energy World attendees headed to the Culture Fuels site to learn about their al... [Full Article](#)

TOPNEWS



Google, Facebook Up the Renewable Energy Ante

by James Montgomery, Associate Editor, *RenewableEnergyWorld.com* | November 14, 2013 | [Post Your Comment](#)



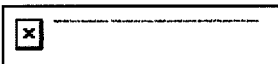
Underscoring the affinity between technology operations and renewable energy, some of the world's biggest IT and service provider companies continue to line up to back more renewable energy investments. [Full Article](#)

TOPNEWS



It Doesn't Have To Be So Hard: Making Renewable Energy Siting Easier

by America's Power Plan | November 12, 2013 | [1 Comment](#)



There is a deep irony at work in the intersection of energy and the environment. The biggest threat to our planet is climate change, caused in large part by our profligate use of energy. And one of the biggest solutions is to de-c... [Full Article](#)

BLOG



Is Shrub Willow a Viable Biomass Feedstock in the US?

by Bruce Dorminey, Correspondent | November 14, 2013 | [Post Your Comment](#)



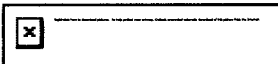
Shrub willow — the short rotation crop that kept the world in wicker baskets for centuries — is gradually finding new life as a cold-resistant biomass, particularly in upstate New York where it's augmenting traditional energy supp... [Full Article](#)

TOPNEWS



Lessons from Japan: How the Nation Can Supercharge Its Clean-Energy Economy

by Ron Pernick, Managing Director, *Clean Edge* | November 13, 2013 | [1 Comment](#)



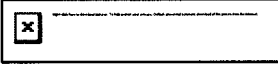
Two and a half years after the Fukushima disaster, all of Japan's 50 nuclear reactors are offline. The nation's total energy mix from nuclear power has dropped precipitously, from nuclear providing 11.3 percent in 2010 to just 0.7... [Full Article](#)

COMMENTARY



Wal-Mart Will Fail to Meet Its Post-Katrina Renewables Pledge, Say Critics

by Mark Drajem, Bloomberg | November 14, 2013 | [Post Your Comment](#)



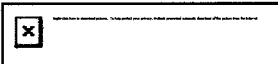
In the wake of Hurricane Katrina, Wal-Mart Stores Inc. pledged to rely fully on renewable energy and sell products that sustain the environment. [Full Article](#)

TOPNEWS



Renewables Report: Project Finance with Crowdfunding

November 13, 2013 | [Post Your Comment](#)



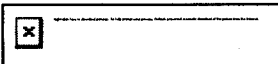
Highlights from Renewable Energy World Conference and Expo, North America in Orlando including a short description of how crowdfunding is being used to fund solar projects, and innovations in wind project siting. [Watch Video](#)

VIDEO



Renewables Report: The Growing Business of Algae

November 12, 2013 | [Post Your Comment](#)



Our live coverage of the Renewable Energy World Conference and Expo kicks off with highlights our Stanton Solar Tour. Later into the broadcast, we talk about some of the exciting conference sessions at the show. [Watch Video](#)

VIDEO



Featured Industry Announcements

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New Report Highlights Values of Geothermal in Today's Renewable Power Market

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Empower the Operator: A New Global Pathway for Wind O&M

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Solectria Renewables, LLC is the leading US based grid-tied PV inverter, string combiner and web-based monitoring manufacturer for residential, commercial and utility-scale solar projects. Our wide range of products includes 1.8kW to 500kW PV inverters for systems 1kW to multi-MWs. Solectria Renewables is backed by over 20 years of power electronics & inverter experience. All of our commercial/utility-scale PV inverters are manufactured in the USA, ARRA compliant listed to UL 1741/IEEE 1547.

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500kW or 750kW, 1000VDC Utility-Scale Inverters

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HydroWorld.com
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Speaking: PV Interconnection Standards and Grid Codes

Renewable Energy World Magazine
Solar Energy Southeast Asia 2013

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World's #1 Renewable Energy Network



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Teresa Tenbrink

From: A. McMahon <mcmahon.a@cox.net>
Sent: Thursday, November 14, 2013 10:38 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: E-01345A-13-0248

I am re-sending this as I previously sent it (on 11/12/13) with the wrong docket number. Thank you.

Re: E-01345A-13-0248

Dear Commissioners:

Where I'm coming from: I have no financial skin in the game. Neither myself nor any family members work in the solar industry. I serve on the City of Scottsdale Environmental Quality Advisory Board. I own a home in the APS service area and am an APS customer.

I write to oppose the APS net metering proposals contained in docket number E-01345A-13-0248.

Renewables will need to provide a growing percentage of U.S. energy. Renewable energy is good for our economy, our air, our water and our national security. Fortunately, Arizona is blessed with one of the best climates in the world for the production of solar energy. Every upside has a downside. Although sunshine is abundant here, water is not. As you know, water and energy are inextricably linked; the production and distribution of each consume vast amounts of the other. Clean energy in the form of solar particularly rooftop or DG solar, conserves water.

APS is a monopoly. It enjoys a guaranteed rate of return (profit) for its shareholders. It receives numerous subsidies. It compensates its executives handsomely. What business wouldn't like that? However, the times are changing. Utilities and their rate structures too must change. Does APS deserve to make a profit? Of course. But a new model is needed.

Public utility rate structures have historically been designed to discourage energy savings; more energy sold equals more profit. Meanwhile, the costs associated with producing more energy are simply passed on to consumers to protect that guaranteed rate of return. The entire paradigm must change! The Arizona Corporation Commission and Arizona utilities must look to new business models. New rate structures must encourage energy-efficient building codes, energy conservation, distributed generation, renewable energy sources and other beneficial strategies while at the same time providing public utilities with a reasonable rate of return. These win-win solutions are very attainable.

As you know, this is a national issue. As such, there are many resources available. I hope the Arizona Corporation Commission will have the wisdom and the courage to tackle this issue. If the present Commission does not, another one will. The status quo is not sustainable; the paradigm will shift.

Sincerely,

Dr. Alisa McMahon

Teresa Tenbrink

From: scot.mussi@gmail.com on behalf of Scot Mussi <scot@azfree.org>
Sent: Thursday, November 14, 2013 7:13 PM
Subject: Press Release: Corporation Commission Fails to Address Net Metering Subsidies



News Release

FOR IMMEDIATE RELEASE: Thursday November 14th, 2013

CONTACT: Scot Mussi: [\(602\) 346-5061](tel:6023465061)

Commission Fails to Address Net Metering Subsidies

Phoenix, AZ – The Arizona Free Enterprise Club today released the following statement following the 3-2 vote against meaningful net metering reform:

“The vote by the Commission today codifies that non-solar customers will continue to subsidize solar ratepayers,” Executive Director Scot Mussi said. **“The net metering program needs to be based on the actual costs of solar power, and the changes made today guarantees that it won’t.”**

Without reforms, it is anticipated that the program will only grow more costly over the next several years. **“If the goal was to continue picking winners and losers through our utility bills, then the Commission succeeded.”** Mussi continued. **“And if the Commissioners think that this problem will be easier to fix in the future, they are sorely mistaken.”**

###

The AZFEC is a 501(c)(4) policy and advocacy group not affiliated with any other organization. For more information visit www.azfree.org.

--

Scot Mussi

Executive Director

Arizona Free Enterprise Club

480-221-3292 Phone

www.azfree.org

Teresa Tenbrink

From: Mike Scerbo <mserbo@rosemoserallynpr.com>
Sent: Thursday, November 14, 2013 5:57 PM
To: BitterSmith-Web
Subject: NEWS: Solar Outshines APS: Commission Rejects Utility Power Play

FOR IMMEDIATE RELEASE
THURSDAY, NOVEMBER 14, 2013

Contact: Michael Scerbo
Rose+Moser+Allyn Public and Online Relations
Email: mserbo@rosemoserallynpr.com
Work: 480.423.1414
Mobile: 602.615.6523



Statement by T.U.S.K.

Arizona Corporation Commission Rejects APS Attempt to End Solar Net Metering

*Utility monopoly loses millions on anti-solar message
that fell flat with Arizonans*

(PHOENIX) Following a protest by some 1,000 people before it yesterday, the Arizona Corporation Commission today rebuked a plan by Arizona Public Service to end net metering.

"While APS and its national trade association EEI spent many millions attacking rooftop solar, the Arizona Corporation Commission made no changes to net metering," said Barry Goldwater Jr., Chairman of T.U.S.K. (Tell Utilities Solar won't be Killed). "The utilities and EEI showed just how far they are willing to go at any cost, and that is the legacy of the Arizona net metering battle--a major loss for APS and its allies."

This decision by the ACC shows a respect for competition, customer choice, and economic growth in Arizona. Against APS' wishes, the Commission imposed a compromise fee on solar users that is just 5% of what the utility monopoly had been seeking.

While the compromise represents a sacrifice by solar proponents, the industry can still continue to grow. It's clear that the ACC listened to the overwhelming public outcry in support of rooftop solar. And it is an industry that was overwhelmingly supported in the fight against APS by likely Arizona voters, according to three different surveys by award-winning GOP pollster Glen Bolger of Public Opinion Strategies.

At the same time, any tax on solar hinders market growth and The Alliance for Solar Choice (T.A.S.C.) will continue its work to oppose solar taxes in other markets.

To learn more about T.U.S.K. visit www.dontkillsolar.com

T.U.S.K. believes that rooftop solar is similar to a charter school—it provides a competitive alternative to the monopoly. Monopoly utilities aren't known for reducing costs or for driving business innovation, but the Arizona solar industry is. Solar companies have a track record of aggressive cost reduction in Arizona. The more people use rooftop solar, the less power they need to buy from the utilities. Energy independence for Arizonans means smaller profits for the utilities, so APS is doing everything it can to stop the spread of independent solar. Recently, APS has proposed a plan to tax rooftop solar out of existence.

-30-

This message was sent to BitterSmith-web@azcc.gov from:

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Teresa Tenbrink

From: Norman Newell <pook@sedona.net>
Sent: Thursday, November 14, 2013 5:37 PM
To: Stump-Web
Cc: Pierce-Web; Burns-Web; BitterSmith-Web; RBurns-Web
Subject: APS and net metering

Dear Commissioners,

I placed my rooftop solar system several years ago when APS was begging people to do that because they said they could not keep up with demand for electricity. Now, to force me to pay for their infrastructure is ludicrous. I am, of course, one of those who would be grandfathered. I still pay them for all the fees, including meter reading, delivery charge, surcharges, etc. If you approve this, then I strongly suggest that APS pay me for my surplus electricity delivered to them at the same rate that I pay APS for there power during my off time! Talk about FAIR!!!!

Sincerely,

Norman T. Newell
Cottonwood, AZ

Teresa Tenbrink

From: Sierra Club <information@sierraclub.org> on behalf of William Weatherly <bilme@hotmail.com>
Sent: Thursday, November 14, 2013 4:30 PM
To: BitterSmith-Web
Subject: Protect our solar future in Arizona

Nov 14, 2013

Commissioner Susan Bitter Smith
1200 W. Washington - 2nd Floor
Phoenix, AZ 85007

Dear Commissioner Bitter Smith,

I urge you to protect solar rights and a strong rooftop solar program in Arizona.

The net metering issue should be addressed in 2016 in the next APS rate case. This is far better than rubber stamping APS' latest attempt to make more money.

I am not happy that you, as a commissioner, are prepared to rubber stamp solar-killing fees onto roof top solar customers. What did we elect you for? To again rubber stamp money requests by APS?

Solar is a win-win for Arizona, and net metering is an important part of that!

Thank you for considering my comments.

Sincerely,

Mr. William Weatherly
11680 E Sahuaro Dr
Scottsdale, AZ 85259-4167
(602) 323-0560

Teresa Tenbrink

From: Paul Blair <pblair@atr.org>
Sent: Thursday, November 14, 2013 3:15 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Letter from ATR President Grover Norquist Regarding Net Metering Reform
Attachments: AZNet Metering Reform.pdf

Dear Commissioners,

I write today in support of net metering reform in the state of Arizona. Americans for Tax Reform believes that the cost shifting that occurs from solar to non-solar consumers has a similar effect as a tax on traditional consumers. **Without a change in the way that net-metered customers (generally rooftop solar homes) pay for their use of the energy grid, traditional ratepayers will continue to subsidize net-metered customers' energy costs.**

Net-metered customers are paid (or credited) at the retail rate for any excess electricity they generate and sell back to the local electric utility. Utilities are required to pay this higher, premium rate despite the fact that they often can produce or purchase power at the much-lower wholesale rate. Higher prices for utilities lead to higher prices for customers.

A solution to this problem would be to credit net-metering customers at the wholesale rate for electricity, rather than the retail rate.

The retail rate includes all of the utility's fixed costs, including transmission, distribution, and balancing services related to the power grid. When net-metered customers sell electricity, they are using the grid. They also need the grid to buy electricity during times when their rooftop solar panels are not generating enough electricity to meet their needs. Yet, because of the way net metering policies are structured and customers are credited, solar homes effectively avoid paying for the fixed costs of the grid. These costs are like taxes being shifted to non-solar homes.

To end the cost shifting that is happening under current policies, net-metered customers should be charged a separate fee that adequately covers their share of the grid's fixed costs.

The debate over net metering reform and solar subsidies, tax credits, and mandates is not unique to Arizona. That is because the rooftop solar industry has attempted to co-opt countless conservative groups in its fight to protect crony capitalism in other states as well. In Georgia, they convinced a local tea party group to support new mandates on solar power generation, which will result in higher costs for a large number of consumers in the state.

According to the Energy Information Administration, solar energy remains the most expensive energy source at \$144.3 per megawatt hour. Solar is more expensive per megawatt hour than coal (\$100), natural gas (\$67.1), and nuclear (\$108.4), which can produce power regardless of the time of day.

I hope this letter puts the tax matter into perspective and I urge you to reform the Arizona net metering policy in order to protect the vast majority of electric consumers.

If you have any questions about ATR's position on this issue, please contact state affairs manager Paul Blair at 202-785-0266.

Onward,



Grover Norquist
President, Americans for Tax Reform

Teresa Tenbrink

From: Barry D'Orazio <bgdorazio@gmail.com>
Sent: Thursday, November 14, 2013 2:34 PM
Subject: Please consider this in your net metering Docket number- E-01345A-13-0248

Stanford Poll Finds National Mandate for Greenhouse Gas Cuts with Strong Red State Support

An overwhelming majority of Americans want the government to take action to cut greenhouse gas emissions because they believe climate change is a real and present danger. It doesn't matter, red state or blue. Americans are seeing the increasingly devastating effects - extreme heat, droughts, severe storms, floods and fires - of climate change where they live and they want the government to do something to stop it from getting worse.

An overwhelming percentage of Americans believe government should limit greenhouse gas emissions from U.S. businesses



Survey Question: 2012: As you may have heard, greenhouse gasses are thought to cause global warming. In your opinion, do you think the government should or should not limit the amount of greenhouse gasses that U.S. businesses put out? 2008-2011: Some people believe that the United States government should limit the amount of air pollution that U.S. businesses can produce. Other people believe that the government should not limit air pollution from U.S. businesses. What about you? Do you think the government should or should not limit air pollution from U.S. businesses?

Teresa Tenbrink

From: G Koza <tempemom@yahoo.com>
Sent: Thursday, November 14, 2013 2:15 PM
To: BitterSmith-Web
Subject: I do not support special fee for solar customers

Dear Ms. Bitter Smith,

I've received a phone call from an organization called "Friends for Fairness" about the topic of Net Metering, and I've seen ads about it on TV. I found the presentation of the issue to be confusing. Because of this, I've read information from a variety of sources about the topic.

It seems to me that APS is spending marketing money to create an issue that doesn't yet exist, and their proposed solution of adding a substantial monthly fee to those with new solar power installations would cause more problems than it would fix. Specifically, the added fees would create a disincentive for those with solar installations and would hamper the growth of solar energy use in our state.

Please consider passing a policy that keeps incentives for solar users and keeps our state on track for developing this clean, abundant energy source.

Thank you,

Gabrielle Koza
Tempe, AZ

Teresa Tenbrink

From: Michael W. Wolfe <sprbeepwr02@cox.net>
Sent: Wednesday, November 20, 2013 11:18 AM
To: BitterSmith-Web
Subject: Standing strong for my solar rights

Thanks for standing strong for Arizonans yesterday: solar choice matters to me!!

Michael W. Wolfe

Don't mind the mule being blind, just load the wagon
What goes around comes around
Every dog has its day

Teresa Tenbrink

From: Pat Jayson <pat.jayson@cox.net>
Sent: Wednesday, November 20, 2013 11:18 AM
To: BitterSmith-Web
Subject: Thank you for supporting Rooftop Solar.

Dear Ms. Bitter-Smith,

I was one of those who wrote to you asking that you support residential rooftop solar and not permit APS to apply onerous rates to rooftop solar customers. I wanted to follow up with a Thank You for your support.

We are APS customers and even though we do not have rooftop solar panels installed on our home, we support solar and an alternative energy resource and hope one day to be able to afford solar for our home.

Sincerely,

James & Patricia Jayson
10411 N 23rd PL
Phoenix, AZ 85028

Teresa Tenbrink

From: Mike Wilson <mwilson@wilsonps.net>
Sent: Tuesday, November 19, 2013 1:20 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Arizona Public Service; Solar Power

Dear Commissioners;

I spent about \$115K to install solar panels on my roof. And got about \$40k or \$45K back from APS and tax credits netting my cost at about \$70K. That net cost was more than 15 times what my annual power bill was prior to the installation. My system produces power during a time of the day when APS is experiencing peak load thereby reducing the generation/transmission/distribution loads that the "grid" is burdened with. So APS has able to bring on new customers with no new outlays in generation/transmission/distribution as a result of my investment, and the investment of the thousands of other rate payers that installed solar systems.

For the month before the recent hearing in which the Corporation Commission ruling that gave APS some additional billing rights to solar users, APS ran ads that talked about how 'unfair' is was that non-solar APS customers 'subsidized' the solar APS customers. This was a half-truth, at best. There was no reference made to the significant outlays that each solar customer made for the installation of their system and how that has reduced the additional capital outlays that APS has had to make in order to keep up with our population growth. From my perspective, every new APS customer that ties into the grid without maximizing the capacity of the grid is raising my costs.

Now that APS has been granted at least a portion of the relief that they asked for, I am seeing APS ads talking about how supportive they are of the solar industry. No more allegations of greedy solar customers taking advantage of the good, non-solar customers. Again, half-truths, at best.

I think that APS is a very good utility that has done an excellent job of providing reliable power at reasonable costs to its customers. But, I wonder if I, as a rate payer, am paying for the deceptive ads that they ran both before and after the recent hearing? And I can't help but wonder if they think we are all too stupid to remember what they say from one month to the next.

Thanks for your service.

Mike Wilson

Cc: APS
PO Box 53933 Sta. 3200 Phoenix, AZ 85072-3933

Teresa Tenbrink

From: CragarsDRoid <cragarsdroid@cox.net>
Sent: Monday, November 18, 2013 12:15 PM
To: BitterSmith-Web
Cc: cragarsdroid@cox.net
Subject: Solar Fees to Support APS Grid

Ms. Susan Bitter Smith,

Thank you for your "no vote" on the APS rate increase request.

Assuming that the APS figures are correct (doubtful), 18 thousand solar roof customers are getting free use of the APS grid to the tune of \$18 million per year. The \$18 million figure equates to \$83 per month for every solar rooftop customer.

APS states they have added \$1.40 per month to the million non-solar customers to pay for the grid that the solar customers are not paying. The \$18 million equates to \$1.50 per month for non-solar customers.

As a 3 plus year solar panel home owner, I don't use the grid approximately 50% of the time. Part of the 50% time that I do use the grid, I am passing my excess kilowatts produced, to my next door neighbor, a conservative 100 feet away.

If the 18 thousand solar roof top customers use APS's figures, then we should also assume that these figures would apply to the non-solar customers. That would mean that every non-solar customer is already paying \$83 per month to maintain the grid. Doubtful !

As a long time APS customer (30+ years), prior to my solar installation, my electric bill averaged less than \$100 for at least 6 months out of every year. I definitely could not have had a sub \$100 bill if I was paying \$83 per month just for the grid use. On average, my kilowatt usage prior to solar, was 85% of my total electric bill. The math does not add up.

Ryan Randazzo (Energy - Arizona Republic) states in his November 17, 2013 editorial "Either way, its \$18 million a year in fixed costs that APS says need to be recovered. The question the regulators tried to answer was, who should pay it ?". I disagree. Before we decide "who should pay it" the regulators should require a study to determine the real cost that should be paid. It definitely is not \$83 per month. Part of that study should be to look at APS's efficiency of operations.

APS's pursuit is increased profit. They have put forward very high dollar amounts, so they have room to negotiate down. Way down. They are certainly not losing money. APS is the largest subsidiary of Pinnacle West Capital Corporation.

Arizona State University is just down the street from APS. ASU as you know is very involved in solar technology. I am sure their business college would be more than happy to participate in the study. APS could have invested their \$1 million on a comprehensive study, which would have resulted in facts that would be supportable. Instead they chose to buy slanderous commercials in an attempt to sway the public to support their unrealistic claims.

Craig Hirlinger
Surprise, AZ
623-670-0609

Teresa Tenbrink

From: Kevin Hengehold <kevin.hengehold@gmail.com>
Sent: Saturday, November 16, 2013 5:12 PM
To: BitterSmith-Web
Subject: Marginal Cost of Power

Commissioner Bitter Smith,

I wanted to commend you on your work at the open meeting. I believe the result was the best possible solution for all stakeholders.

Is it possible to determine a utility's marginal cost of power at noon, or whenever a rooftop solar customer is likely to provide power to the grid? All of the evidence presented so in this discussion has been derived from models, and I feel that comparing the marginal cost of power versus the credit given to rooftop solar customers who produce power would be a powerful piece of evidence in determining the value of rooftop solar.

Is this a knowable quantity? Do Arizona utilities keep track of this? Or do vertically integrated utilities not know the marginal cost of their power? If this is the case, is there an analogous spot market to which we could compare rates?

Thanks,

--
Kevin Hengehold
B.S. Computer Engineering, Rose-Hulman Institute of Technology
P.S.M. Solar Energy Engineering and Commercialization, Arizona State University
513-515-5745

Teresa Tenbrink

From: Sherry Sass <sushi4334@gmail.com>
Sent: Saturday, November 16, 2013 1:46 PM
To: BitterSmith-Web
Subject: residential solar

Dear Commissioner Bitter-Smith,

Thank you so much for your support of residential solar electric generation in Arizona. In the interests of both our our economy and our environment, encouraging solar electric generation is one of the smartest long-term policies the ACC can have. I hope you will continue to stand up, as you have, to the narrow profit interests of the State's utilities, which after all are monopolies with only your oversight to keep them actually serving the public's greater good.

With gratitude,

Sherry Sass

Teresa Tenbrink

From: Brenna Yaekle <azbrenn@cox.net>
Sent: Saturday, November 16, 2013 1:42 PM
To: BitterSmith-Web
Subject: Brenna Cornwell

Hi Susan!

Not sure if you remember me from our days as RAs at PV - East in the 70s. I moved back to Phoenix in 1995 and now live in the Stetson Hills area. I've been following your career over the years and now that you are in the news again just wanted to speak up.

Mainly to say hello!

But also to let you know what I'm fine with not only sending over two thousand kWh of electricity back to the grid this year, but even paying the small amount recently approved to provide support for that grid.

Paul and I have invested over \$12K in our solar array and we did it because we firmly believe that renewable energy from the sun is the way to go.

The amount we will be reimbursed by APS when we are credited for the excess we produced is only about 20% of what they charge us for peak kWh when we have to buy from them.

To pay much more than the amount the commission approved yesterday would be a major slap in the face to those of us who are investing in clean technology in support of a better future.

If APS took the several millions of \$\$ that were spent on negative advertising and put it into the grid maintenance, I'm sure we would be looking at an entirely different scenario.

Anyway - I support the decision and the restraint demonstrated by the commission. I wish you luck going forward and will continue to support you politically!

Sincerely,
Brenna Cornwell Yaekle

PS - I drive a Prius and my husband drives a Ford Fusion Hybrid. We are pretty serious about what we can do for the environment.

Teresa Tenbrink

From: rsimon.5@q.com
Sent: Friday, November 15, 2013 4:46 PM
To: BitterSmith-Web
Subject: THANK YOU- THANK YOU- THANK YOU

Thank you so much for standing up against APS and giving solar the boost it needed. As a believer in going green and with Arizona being the # 1 state for solar, all solar users and those that will now switch, thank you from the bottom of our hearts. EXCELLENT choice.

You will be remembered at election time if you should plan to run again.

Again, THANK you.

Bob Simonetti

Teresa Tenbrink

From: Aaron Bacon <aaronandbrookebacon@gmail.com>
Sent: Friday, November 15, 2013 2:22 PM
To: Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Commission Vote on Solar Fees

Commissioners Stump, Bitter Smith, and Burns:

Clearly the pockets of the Edison Electric Institute and their allies among the local utility companies run deep. Indeed, they run deep enough to help ensure they could buy the implementation of their agenda to derail alternative energy (specifically solar) and pad the resources of the status quo via your nefarious and short-sighted vote to add fees to those who wish to obtain solar power.

I hope many investigate just how much the Edison Electric Institute spent in Arizona and on what specifically. I am sure it was well-hidden overall but, as George Washington put it: "Truth will ultimately prevail where there is pains to bring it to light."

Yes, I know. Officially this is about making sure the grid is maintained and that we all "pay our fair share" as the President is so often putting it when he (like you) is about to swipe more of our hard-earned money. We all know this is NOT the main driving force. This is about protecting the corporate interests of the utility companies and setting back solar a little bit more.

It matters not that the fees are smaller than they might have been. There need not have been any fees at all! You all were NOT placed into office to answer to corporate interests but to ensure the interest of the PEOPLE is seen to.

I hope however the three of you benefited from this deal it's worth it to you in the long run since you've helped ensure many more working-class families cannot afford to reduce their carbon footprint. I leave you with this statement from Jesus Christ to contemplate from Mark 8:36: "For what will it profit a man if he gains the whole world and loses his own soul?"

Sincerely,

Aaron Kyle Bacon

Teresa Tenbrink

From: Karyl Krug <kjkrug@cox.net>
Sent: Friday, November 15, 2013 1:48 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Copy of e-mail I sent to APS -- opposed to grid charges for solar energy users

My husband Richard and I have now received two letters from you regarding your change of position on solar. When you were encouraging us to spend tens of thousands of dollars to install a solar energy system, you said nothing about also paying to use the grid. Your offer to grandfather us for 20 years is not good enough. It is a bait and switch tactic, and we must be grandfathered in perpetuity. We will be elderly by the time the "grid charge" kicks in, and less able to pay than ever, which is why we switched to solar now.

I have seen your shameless efforts, combined with those of the Edison Electric Institute, to pit neighbor against neighbor by falsely telling millions of people that solar energy users are costing them money. You pay us approximately 2.9 cents per kilowatt hour, which you then sell to our neighbors for 13 cents per KWH or whatever you are charging them. You charge our neighbors what you decide to charge them. We are making money for you. So telling the entire population of the valley that we are costing them money is patently false. We paid for our own solar infrastructure, so we are benefitting you, at a cost of tens of thousands of dollars to us. Maybe you should repay us for that cost, since you are a primary beneficiary.

I've been a criminal attorney for 20 years, first in Texas, now here, and theft is a crime of moral turpitude because it involves deception. You're not really concerned about making the system fair for everybody; you're concerned with trying to make money off of something you cannot drill or mine for: the energy of the sun. It is my opinion that you should be paying us because you continue to add to greenhouse gases and destroy the planet. Germany is at least 80% solar. There is no excuse whatsoever for Arizona not to be 100% solar, since you say you have been a leader in solar energy for more than 60 years. Where is the leadership? We are all sick to death of paying for greed and lobbying by coal and oil interests. I know there are greedy, bad people out there trying to figure out how to privatize the water supply and sell it to us at a premium, too. There are people who would charge us for air if they could figure out how. The people making the planet dirtier and hotter should be paying us for the damage they are needlessly causing to our health, our lives, and our children's lives.

I was not all that interested in this crusade before this misinformation campaign commenced. I was happy to do my little part by installing solar on my own rooftop. But lies and theft are lies and theft, no matter how gently worded. If you, as a leader in solar energy, over-invested in dirty energy while purportedly being a "leader" in solar energy, that is your fault and your problem. This claim of 60 years of leadership in solar is evidence that knew a couple of generations ago what the optimum, right thing to do was; and you failed to do it. I would like for you to cease and desist this campaign of greed and deception and just plain old bad citizenship. It is immoral and should be illegal.

Karyl Krug, M.A., J.D.
Attorney at Law (Texas, Arizona)
Board Certified in Criminal and Criminal Appellate Law (Texas Bd. Of Legal Specialization)
12149 N. 134th Way
Scottsdale, AZ 85259

480-275-7054 home
512-520-7070 cell

kjkrug@cox.net

Teresa Tenbrink

From: Joe Trujillo <trujoejt@gmail.com>
Sent: Friday, November 15, 2013 1:23 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: APS ripping off Solar users!!!

Thanks for kissing up to Pinnacle West and slapping us to pay more for Pinnacle West Corporate leaders can have BIGGER BONUSSES!!! It will be remembered next election.

Teresa Tenbrink

From: solaronesw@gmail.com on behalf of Brandon@SolarOneSW.com
Sent: Friday, November 15, 2013 10:41 AM
To: Brandon@SolarOneSW.com
Subject: We won!

Good morning everyone!

After much deliberation and debate yesterday, late last night the ACC finally voted, & although APS got a little, this is definitely a win for the solar industry!

In the past few months APS has spent millions of dollars on anti-solar commercials trying to win support for their filing, which included:

- A \$50 to \$100/month fee for new solar customers
- They wanted this added to anyone who applied for solar after October 15th of this year
- Homes that already had solar would be grandfathered, but only for the homeowner, so if the home ever sold the new owner would pay the \$50 to \$100/month fee

What they got:

- A \$.70/kW fee (so a 5 kW system pays an extra \$3.50/month)
- Anyone who applies for solar before December 31st of this year will be grandfathered, so anyone who signs up next year will pay the small additional fee, which we're expecting to only average about \$5/month.
- Last but not least, the grandfather clause will run with the real property, not the homeowner! So homes can be sold several times without the risk of loosing the "grandfathered" status.

Although APS will no doubt spin this as a victory for them, it is not even remotely close to what they asked for, and is definitely being considered by media outlets and the solar industry as a huge win for us.

After the vote, APS Chairman Don Brandt even stated "we would have preferred for the ACC to fix it."

Read the full APS response and details of the new rules here: [APS opinion of new rules](#)

Thanks again for all your support and patience, & have a great weekend (we sure will)!

Brandon Anderson

SolarOne Energy Group

Photovoltaic Design Specialist

Sedona: 928-282-2569

Cottonwood: 928-634-2206

Prescott: 928-445-3737

Cell: 928-300-7740

fax: 928-634-2207

www.SolarOneSW.com

Teresa Tenbrink

From: Patrick Blanton <plblanton@me.com>
Sent: Friday, November 15, 2013 10:38 AM
To: Pierce-Web; Burns-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox; Stump-Web
Subject: You are pathetic

Dear APS Stooges,

After reviewing your ruling and comments from yesterday regarding the new fees on residential solar customers, I continue to be more embarrassed of Arizona politicians. Not only did you approve a completely unnecessary fee, but two of you voted against it only because you felt the fee was too low. You are pathetic group who does nothing to represent the great majority of voters who elected you. Instead you're nothing but puppets for APS and large corporations. Then you have the nerve to justify your outrageous actions by saying things like you're trying to protect poor old people who will have to pay more. Please! Does anyone actually believe such nonsense. We all know that the only thing you are protecting is APS' bottom line and their monopoly. APS simply does not want to pay a fair price for solar generated electricity and does not want any competition. I will do anything I can to make sure that none of you are reelected. You have no business in public office.

Sincerely,

Patrick Blanton
Phoenix resident

Teresa Tenbrink

From: David Woehning <dwoehning@gmail.com>
Sent: Friday, November 15, 2013 6:43 AM
To: BitterSmith-Web
Subject: Solar Power Decision

Again, and again, and again, and again, the Arizona Corporation Commission has cow-towed to big business, in this case APS. People were practically begged at one time to go solar and now they are being penalized by a company who could not even manage their employee's retirement accounts, and had to ask for a huge increase to cover those loses. Truly, you all make me sick.

I imagine it is public record how you voted, and as much as I hate politics and detest almost all politicians, I plan on actively campaigning against any of you who voted for this deplorable rate increase.

Overall, I do not believe any of you have even a modicum of concern for the consumer.

And don't any of you dare reply to me with rationalization of why APS is getting more money. They just is no reason whatsoever that solar users should pay for what they are not using.

David Woehning
Cottonwood, AZ

Teresa Tenbrink

From: Shelly Martin <shellykmartin@hotmail.com>
Sent: Thursday, November 14, 2013 2:35 PM
To: BitterSmith-Web
Subject: Stand strong against APS -

APS spends \$4 Million to shut down solar.... that's a lot of money....

but it's not the right thing for Arizona or our country, it's simply not the right thing period.

Rates are not charged based on consumption....if I conserve energy will I be hit with a big sur charge for being such a bad APS customer?

What if I have a little apartment should I be hit with a penalty for not consuming enough APS power? It's all the same argument.

This is about a Monopoly that wants to preserve its Monopoly status.

I voted for you....I hope you don't disappoint....

Shelly Martin

Teresa Tenbrink

From: Joe Mizia <joe@swaircraftcharter.com>
Sent: Thursday, November 14, 2013 1:18 PM
To: BitterSmith-Web
Subject: Solar Subsidies

Please vote to STOP subsidizing the solar industries.

Joe Mizia

Teresa Tenbrink

From: mfriel1@q.com
Sent: Thursday, November 14, 2013 1:12 PM
To: RBurns-Web; BitterSmith-Web; Stump-Web; Burns-Web; Pierce-Web
Subject: Opposed to Solar tariffs

Dear ACC,

It is wrong to charge home-owners that install solar units an additional fee because the utility provider has to buy their excess power.

If you want to "maintain the free market" then let solar run as it is - companies like APS & TEP will have to shrink or find other ways to sell their power as more & more smart people take advantage of the solar energy that can be had for "free" - after they pay huge sums to have solar units installed.

Do not turn your position into a drooling lapdog for Corporate profits - side with the people - that is democracy!!

Nor should you allow these until-recent-monopolies to shunt the cost onto other users ~ I'm sure their upper level management can live on a few million less per year.

Concerned Voter,
Mike Friel
Tucson, AZ

Teresa Tenbrink

From: Robert Whittington <rjw5856@q.com>
Sent: Thursday, November 14, 2013 1:07 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: APS Solar Power
Attachments: Arizona Corporation Commission.docx

Commissioners please review the attached document for commentary on the APS solar power decision.
Thank you in advance.

RJW

Teresa Tenbrink

From: oceanbin@aol.com
Sent: Thursday, November 14, 2013 1:06 PM
To: BitterSmith-Web
Subject: RE: Net Metering

Hello Commissioner BitterSmith,

I understand you and your peers are leaning towards allowing APS to charge customers an extra fee if they own solar. My question is this: once the precedent is set that users with lower consumption get charged more, will we also allow APS to surcharge customers who use items from the below list in/on their homes? My concern is anything that reduces my consumption is now a target for supplemental charges, since the argument that using less electricity costs APS more to maintain the grid.

Items at risk that reduce usage- and in effect cost those without more for maintaining the grid:

- CFL or LED bulbs
- Evaporative coolers
- Passive solar water heaters
- Natural gas water heaters
- Extra or high R factor insulation
- Double pane windows
- Gas stoves
- Gas grills
- Efficient refrigerators (energy Star rated)
- Efficient AC or Heat Pump (energy star rated)

Carey Nolan
Concerned Az citizen

Teresa Tenbrink

From: Julie Ann Holmes <julieannh@totalseal.com>
Sent: Thursday, November 14, 2013 12:55 PM
To: RBurns-Web; BitterSmith-Web; Pierce-Web; Burns-Web; Stump-Web
Subject: SOLAR RATES

Dear Corporate Commission Members:

Just when I think the taxpayers of Arizona are safe for a while because we have 5 conservatives on the Corporate Commission, I now read that several of you are considering this insane fee for new solar installations. The propaganda in the media really ticks me off. It is blatantly false, which I know, because I installed solar on my home over 3 years ago. Solar customers still pay the same monthly connection / service fee as other customers. Solar customer are reimbursed for their excess solar production at very low rates compared with the purchase rates for energy we use from the grid. We were encouraged to install solar on our homes to help the companies meet the regulatory requirements for including renewable energy into the energy mix. We put out many thousand of dollars of our own money, including paying interest on the loan for my system - which means I made an investment in my home - a large investment in order to reduce my monthly energy costs. This made sense to me, as living in Arizona, we enjoy so much free sun energy just for the taking.

This push to punish solar customers is hypocritical of the power companies and the corporate commission. Please do not let this idiotic proposal raise rates or fees on new solar customers. It isn't fair.

Julie Ann Holmes
Republican PC AZ LD21
RidersUSA Charter Member

Fear is at the core of liberalism. Love/trust is at the core of conservatism.

Liberalism is about control (we know better, we'll take care of you).

Conservatism is about self-empowerment & personal responsibility.

Teresa Tenbrink

From: Steve Smith <yehrtoast@yahoo.com>
Sent: Thursday, November 14, 2013 12:31 PM
To: RBurns-Web; BitterSmith-Web; Stump-Web; Burns-Web; Pierce-Web
Subject: Solar vote today

From a CA consumer, electrical rates are 50% more here than the other 49 states.

From an environmental perspective Solar is a disaster which pollutes the globe, and will end in a mountain of bad debt and solar e-waste.

Google "green energy mafia italy spain".

Teresa Tenbrink

From: Toni Brown <dbrown007@cox.net>
Sent: Thursday, November 14, 2013 11:15 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Solar Power Sell Back

We as consumers of power as sold by SRP or any other utility in AZ, should not be required to pay more for the service including grid cost maintenance when compared to homeowners selling Back power from their personal solar systems.

This is just not fare and the practice should be stopped. Every user of the grid should share in its cost on an equal basis. Too bad for the solar industry if they don't see it that way. Maybe they should pay grid maintenance cost when installing these systems.

Perhaps the solar industry should be developing power sources in concert with power companies and not competing with them by tricks promising big returns to individuals when it just doesn't pencil out.

Keep in mind fire departments across the US have said the home solar systems are not safe for them since the power cannot be turned off resulting in a safety hazard to firefighters. In addition they have found roof mounted panels cause a serious tripping hazard as well as a structural issue when they are accessing the roof area to suppress the fires.

Please vote on the pending issue considering the above comments.

Thank you

Dave Brown
21358 E Mewes Rd
Queen Creek, AZ
85142
480-987-2720

Teresa Tenbrink

From: solaronesw@gmail.com on behalf of Brandon@SolarOneSW.com
Sent: Thursday, November 14, 2013 10:23 AM
To: Brandon@SolarOneSW.com
Subject: It's here...

Good morning everyone!

Within a couple hours, we are expecting the Commission to vote on whether or not a new solar tax will be imposed on solar users in the APS territory. This is getting a lot of local and national attention, as other major utilities are expected to file similar requests if it works for APS.

So many of you have helped support our industry by signing petitions, writing letters, making phone calls, etc., and I just wanted to give a big thanks to all of you for being patient with the volley of emails and updates you've been getting from me. This is obviously a very important issue for me, my family, fellow employees and their families, as well as the other 200 + small businesses and 16,000 other employees currently supported by the solar industry in our State.

A recent poll showed that over 80% of Arizonan's support the solar industry & are against a solar tax, but it still comes down to the majority vote of the 5 Commissioners.

Regardless of the outcome, we look forward to continuing the fight to keep solar a viable alternative for AZ residents, and look forward to working with all of you in the future.

If you're interested in watching the live vote, click the following link , and once you're on the website click the "In progress - View event" icon on the top right of the page.

[Watch the ACC meeting here](#)

Thanks everyone!

Brandon Anderson
SolarOne Energy Group
Photovoltaic Design Specialist
Sedona: [928-282-2569](tel:928-282-2569)
Cottonwood: [928-634-2206](tel:928-634-2206)
Prescott: [928-445-3737](tel:928-445-3737)
Cell: [928-300-7740](tel:928-300-7740)
fax: [928-634-2207](tel:928-634-2207)
www.SolarOneSW.com

Teresa Tenbrink

From: Genevieve Vega <genmalia@yahoo.com>
Sent: Thursday, November 14, 2013 10:02 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Fees for Solar Customers

Commissioners,

It is unconscionable that you would consider adding an extra fee to those who have invested in a more sustainable world. Those who seek to reduce their carbon footprint and invested their own treasure to add valuable improvements to their home do not deserve to be charged a premium for this right.

This issue is not about profit for the utility companies, though it is clear those are whose interests you serve if you approve this rate hike. It is an issue of placing an undue tax for investments made on an individual's home.

I ask that you do not approve the proposed rate hikes for solar customers.

Sincerely,

Genevieve Vega
(602) 574-7015
genmalia@yahoo.com

Teresa Tenbrink

From: Mary Steenhoek <marysteehoek@cableone.net>
Sent: Thursday, November 14, 2013 9:38 AM
To: BitterSmith-Web
Cc: RBurns-Web
Subject: solar tax

I strongly oppose putting additional rates on home solar users for these reasons:

1. The initial agreement of APS of giving credits for power generated should not be broken. This agreement entered into calculations of homeowners as to cost feasibility of solar panels. it is unfair to change the rules mid-game.
2. Installing solar should be incentivized because it lowers carbon pollution.
3. All citizens benefit from the investment of individuals in solar power. Although not all citizens have the foresight, money, or will to put solar on their own homes, the air quality of the air all of them(us) breathe is improved by others investment.
- 4, APS should not now think it can capitalize on individuals' investments in solar.

P.S. I do NOT have solar on my home because the neighbor's trees and my house orientation make it unfeasible. I am more than willing to encourage those who have been able to install solar by including costs of distributing solar power in my monthly bill.

Teresa Tenbrink

From: Ginger Ingram <butterflydogs1@gmail.com>
Sent: Thursday, November 14, 2013 9:31 AM
To: BitterSmith-Web
Subject: Vote No on APS Proposal

We have solar panels on our roof. The excess power we generate from our system goes back to the grid and APS sells it for profit. We do not get paid for this. Why doesnt APS use these profits to help maintain it's grid instead of penalizing roof top solar? We do not believe this is a positive change that will encourage new solar users. It is a step backward for our state. We should be the leaders of the solar movement and help reduce carbon emissions from coal burning power plants. Vote No to the APS proposal!

Ginger Ingram
Realtor GRI SFR
Coldwell Banker Bishop Realty
715 S Beeline Highway
Payson AZ 85541

Office 928.474.2216
Direct 928-978.3322

A Donation Is Made From Every Closed Transaction To the Humane Society of Central Arizona.

"Because They Matter"

Vote

Teresa Tenbrink

From: Ken Ferrell <kferrell@yahoo.com>
Sent: Thursday, November 14, 2013 9:06 AM
To: BitterSmith-Web

Commissioner Bitter Smith,

I believe what APS is doing to solar customers is clearly nothing more than trying to kill the solar industry in the one state that it should thrive. I think it is despicable, and I will make it my priority to remove any commissioners corrupt enough to allow it to happen. APS clearly has their hands in the pockets of the ACC, and I think it is a tragedy. APS has long asked for rate increases in order to fund new power plants to support additional demand, now they basically say that less demand doesn't reduce their costs. I am insulted by their public pandering through misleading advertising and illegal contributions of ratepayer monies to lobbyists.

The world needs less power generated from nuclear and fossil fuels, neither is sustainable due to the demands on finite resources, excessive use of water and waste disposal, Renewal power from solar, wind, and geothermal should be given the highest degree of support. APS is more worried about corporate profits than the well being of the planet and its people.

I do not currently have solar power but am considering installing solar in the next several years, I would hope that the proceeds from selling power back to the grid would help offset the high costs of solar installation.

I urge you to do the right thing and reject APS efforts to kill solar while padding its bottom line. Anything else will be met by swift retribution at the polls by myself and others that see through this corruption. i will be following this vote closely.

Regards,
Ken Ferrell
Scottsdale

Teresa Tenbrink

From: Brennan, Patrick (AERO Global Real Estate) <Patrick.Brennan2@Honeywell.com>
Sent: Thursday, November 14, 2013 8:32 AM
To: Burns-Web; Stump-Web; Pierce-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Solar Power Hearings Docket E-01345A-12-0290
Importance: High

APS has falsely represented the facts and outright lied mislead the people of AZ as well as the Commission. They funded ads against solar while denying they were in fact the sponsor. They have spent millions that could have been spent improving the network they claim is in disrepair. Where are there interest, the Grid or the continued monopolization of the energy market in AZ.

As a homeowner who has Solar system and a business who utilizes Solar energy in AZ what APS is proposing will virtually eliminate any further expansion of solar energy projects in the state for both personal and business usage. When our systems are not producing energy for use we do in fact purchase power from APS thus paying for the grid system. If we are forced to pay for the maintenance of their grid than they need to pay O&M cost on our solar systems. The logic is the same, they have no investment in our systems and benefit from the energy produced which is sold at a premium. When we produce energy in excess of what we consume we receive compensation for that energy at \$0.02 per KW which is ridiculously low considering we are producing when they charge peak rates of \$0.25 per KW.

Approving the APS request will kill the solar industry on AZ putting thousands out of work and giving APS the right to increase rates and the absolute control over the energy production in AZ holding us all hostage.

Thank you,
Pat

Honeywell

Patrick Brennan
Director of Real Estate and Facilities
Honeywell Aerospace
Patrick.brennan2@honeywell.com
Office: (602) 365-6008
Cell: (602) 284-7031

Teresa Tenbrink

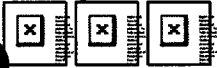
From: Jeremy Whittaker <me@jeremywhittaker.com>
Sent: Thursday, November 14, 2013 8:25 AM
To: RBurns-Web; BitterSmith-Web; Stump-Web; Burns-Web; Pierce-Web
Subject: APS proposals

Commissioners,

It should be understood that people that have solar power generating stations are peaking and providing the most power at the hottest point of the day. The point of the day when the most energy is being consumed and air conditioners are running. Every time someone installs a solar system it reduces the load on the grid which makes it so the power companies need fewer power generating stations, transmission lines, and distribution wires.

The old concepts and ways of how we get our power to our houses is being revolutionized. The whole peer to peer delivery of electricity will be the best thing for our country, our people, for sustainability and reliability on big corporations in decades! We have to stop thinking in these broken ways. These companies have monopolized these industries and are suppressing us all into believing that we should be paying hundreds of dollars a month for electricity while they make \$382m a year in profits. Further, the bulk of electricity is coming from coal, nuclear, and natural gas. Is this seriously what we want for our future? Our kids' futures? Have we already forgotten what happen in Fukushima, Japan? Are these the ways we seriously want to pull our power from? The solar industry would be decimated if these laws get amended. This is our first real chance at renewable energy and a sustainable future for our country. **Please do not allow APS to buy your vote.**

Jeremy Whittaker



Teresa Tenbrink

From: Bill Sowle <wwsowle1@cox.net>
Sent: Thursday, November 14, 2013 8:10 AM
To: BitterSmith-Web
Subject: Please no new fees on Solar Customers

Dear Ms Smith. I was reading in today's Arizona Republic that Mr Stump would like to add \$22 a month to the bill of the average solar customer. This is about the amount that I saved each month with my solar system. We should do everything we can to support a non-polluting energy like solar. Sincerely, Bill Sowle ---

--

William W. Sowle
4610 N. 68th Street #404
Scottsdale, AZ 85251-2047
602-290-4173

Teresa Tenbrink

From: William Jonas <williamjonas@yahoo.com>
Sent: Wednesday, November 13, 2013 10:58 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Docket # E-01345A-12-0290.

Dear Sir or Madam:

My wife and I respectfully ask you to vote against APS effort to literally tax the sun, ie: rooftop solar.

we have had our rooftop solar turned on May 2012 and since being turned on, and one advantage not mentioned anywhere that I have read is the reduction of CO2 into the atmosphere (carbon foot Print) which has been reduced by over 24,000 LBS (twenty four thousand) as shown on our solar guard the program that Solar City uses to monitor the output of our system.

Sincerely
William Jonas
SRP Customer

Teresa Tenbrink

From: Robert Johns <rjohns100@hotmail.com>
Sent: Wednesday, November 13, 2013 10:43 PM
To: BitterSmith-Web
Subject: Solar

Commissioner Bitter-Smith,

I am a current solar owner that is serviced by Arizona Public Service. When I had solar installed on my house, we did a study of our usage and placed a system that would take care of 120% of our usage to be sure that we would be covered in the future. We have had monthly bill of 14 dollars since the installation from APS that covers the cost of the grid and taxes. The system was extremely expensive and the major components were built with pride in the State of Arizona. The system is working perfectly and we have not consumed any additional energy above our previous usage prior to the installation. We have not seen on penny of return from APS to take care of any additional surplus from our solar system and we have discussed this with their representatives with zero resolution. We do cover our fair share of cost as solar owners and APS has tried to hide the fact that we do pay to be a part of the system.

I have lived in Arizona all my life and my grandfather worked as an accountant for the company for many decades. I have always been proud to have the company as part of our family in Arizona, until this year while this company has tried to hold on to a monopoly within the state. Their accounting does not add up at any level of imagination. They should be the public's electric service in the state of Arizona as the name implies. Please send them a message for the people that the company serves and vote **no** to their plan of overcharging the citizens of Arizona.

Sincerely,
Mr. Robert Johns, M.B.A.

Teresa Tenbrink

From: Gary Trapp <ghowardaz@gmail.com>
Sent: Wednesday, November 13, 2013 10:33 PM
To: BitterSmith-Web
Subject: Solar! we want it...

We want solar! We get so much sun in this lovely state, and Arizonans should have started developing this technology ages ago. Vote what the people of Arizona want.

Teresa Tenbrink

From: David Haskell <dhaskellart@gmail.com>
Sent: Wednesday, November 13, 2013 8:47 PM
To: BitterSmith-Web
Subject: Roof top solar debate considerations;

Dear Commissioner Bittersmith;

I am very concerned about the current debate surrounding the growth of solar roof top installations in Arizona. I am in the process of installing a roof-top solar PV system on our home in Cottonwood. I urge the Commission not be act hastily on any new taxes or fees for either solar owners or companies that assist homeowners in contributing to the dream of having a national electric power system fueled mostly by renewable energy.

I am very knowledgeable about both existing traditional methods of electric power production and the primary forms of renewable energy that have proven to be technically and economically feasible. I served two terms on a state air pollution control board and have interacted with public utilities and the political process at both the state and federal levels. I have a few suggestions for you to consider.

- Use this opportunity to seriously evaluate the potential for solar power and other forms of alternative energy production to meet the majority of Arizona's electric power needs in the future. Nearly everyone in public office has significantly underestimated the potential megawatt production potential of current highly efficient solar technology. I can't prove it to you today, but I am working on a statewide concept that could result in renewable energy contributing up to 40% of the state's electric power needs by 2020. Just as a teaser, consider how many megawatts of solar power could be produced if inexpensive shade roofs were constructed over every public parking area in Phoenix and were covered with solar PV systems! We can start with the airport long-term parking lots. Shaded parking will be very popular and travelers will be willing to pay more to park under them.
- The concept of distributed power rather than expensive inter-state grid power systems is the only answer for the future. We must significantly reduce emissions from existing huge fossil fuel power plants and seek to eliminate power losses from long-range power transmission. Arizona is gifted with year round sunshine. I challenge you to begin the process of computing how much energy could be produced if solar PV systems were installed on just 30% of residential roofs and 60% of commercial roof tops. And this is just the beginning. How many huge solar farms could be constructed on state owned lands that are near population centers?
- The most significant achievement the Arizona Corporation Commission could make in this century would be to formulate and implement an aggressive strategic plan to become the nation's leader in renewable energy production. If you show the will, the federal government is very likely to respond with additional budgetary support
- I am convinced that if you did a thorough analysis of the combined potential capacity of solar PV roof top installations, large solar farms, solar steam plants, and natural gas fuel cell power plants, and compared these long-term costs and benefits to traditional fossil fuel and nuclear facilities you would be surprised at the outcome.

I hope you will come to understand that solar power is a key component of our energy future. You need to do whatever it takes to support this effort. The newly emerged solar companies like Solar City are not your enemy. They are trying to do what APS should have been spearheading five years ago. They are making it possible for those who would not have been able to afford a solar installation to participate in this revolution. It is time to start thinking outside of the box. There are solutions to financing grid maintenance without taxing those that are a part of the future energy solution.

Thank you for considering these recommendations and concepts.

Sincerely,

David A. Haskell

(928) 567-9873

dhaskellart@gmail.com

Teresa Tenbrink

From: Brian <bwinefsky@cox.net>
Sent: Wednesday, November 13, 2013 8:21 PM
To: Pierce-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: 11/14 Solar Hearing and Pending Decision. PLEASE READ!

Dear Commissioners,

My name is Brian Winefsky. I am a residential APS customer who had Solar Panels installed on my home last week. In fact, tomorrow, the city of Phoenix is coming to inspect the installation. Since APS is running 5 to 6 weeks out to connect new solar customers to the "grid", I am very concerned that a quick decision on this issue could have devastating impacts for consumers like me. Keep in mind, I signed paperwork with Solar City in September, and am locked into a 20 year lease even though I am not hooked up with APS at this time. I am in the middle of the "process" and fear a decision will unfairly raise my utility costs. If I had known this could happen, I would not have made the decision to go green. I am an educator, and live on a budget. I really can't afford to pay more money for electricity for the sake of being environmentally conscious. Please keep people like me, who are already signed contracts, but are not connected, in mind when and if you were to make a decision tomorrow.

Respectfully,
Brian Winefsky
26621 N 51st Drive
Phoenix, AZ 85083

Teresa Tenbrink

From: Tami Dials <tamidials@yahoo.com>
Sent: Tuesday, November 12, 2013 6:23 PM
To: BitterSmith-Web
Subject: Taxing Solar Sun

This is wrong. Vote no!

Sincerely,

Tami Dials
Bullhead City, AZ

Sent from my iPad

Teresa Tenbrink

From: Anne Keenan <anne.keenan1@yahoo.com>
Sent: Wednesday, November 13, 2013 4:53 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: anne.keenan1@yahoo.com
Subject: Solar and APS

Dear Commissioners,

My name is Anne Keenan and I am an APS customer and a homeowner with solar power. I have been on hold for the last hour plus waiting for my turn to speak, which apparently is not going to happen due to time constraints. My comment is this. I have a contract to provide solar for 20 years in which APS pays me 7 cent a Kwh and resells it for 13-29 cents a Kwh. My 7 cents stays the same for the next 20 years while APS gets to resell that power for a greater and greater profit each year. My solar is a boon for them. They should NOT be compensated further. My solar helps them offset the the negative effects of the particulate their coal fired plants put into the air. I am also able to control my costs for the next twenty years and help everyone breath a little easier. Whether you believe in global warming or not their is no disputing the debris put into the air by coal fired plants and the damage it does to the human respiratory system. I like the freedom solar gives me, the choice solar gives me and the cost containment. Please deny APS.

Thank you for your time and attention, we value what you do,

Anne Keenan
Prescott Valley, AZ

Teresa Tenbrink

From: Bill Oelhafen <boelhafen@cox.net>
Sent: Wednesday, November 13, 2013 3:30 PM
To: Pierce-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: solar do not make me pay for my neighbors solar

Just got an email from the CEO of Solar City asking me to contact you in support of solar. I see nothing wrong with solar but, I should not be forced to subsidize the cost of my neighbors solar. I decided to manage my electrical costs in another way. I have a management systems that monitors the amount of electricity I use each hour. The system makes sure I do not exceed that amount.

Please stop the forced contribution to solar customers from those choosing other alternatives.

thanks

bill oelhafen
1742 w dion drive anthem, az

Teresa Tenbrink

From: Natalie Barker <natfencer@hotmail.com>
Sent: Wednesday, November 13, 2013 3:06 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Keep Solar Fair

I am emailing you directly on behalf of the people of Arizona. I do have the right to speak for them because I am one of them. I am urging you to say no to APS's proposal to tax Solar Customers for the "Right" to use the sun. Not only is that an absurd thing to do to try to lay claim on who can and can not use the power of the sun but they way they are going about doing it is down right despicable and against that which we stand for in this great free nation.

Yes I am a educated individual who understands the reality of capital gain, and business vs charity, but the reality is APS owns without a doubt everyone in this state. Even solar customers have to tie into the grid, and therefore still have to pay out to great monopolized company. This tax will do nothing but destroy the solar industry and those wishing to do our part to make our world a livable place for our children and the generations to come.

So I urge you to please look past third party deals, look past corporate and personal gains and greed and understand that what we strive for is a better world for our children.

Sincerely,

Natalie Barker

Solar Generator since 2013.

Teresa Tenbrink

From: Clint Rapier <Clint@hawkinsdg.com>
Sent: Wednesday, November 13, 2013 2:47 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: E-01345A-12-0290

Dear Commission-

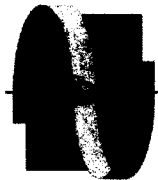
I write to urge your support for solar energy in Arizona, and wise discretion in its treatment by APS. For once, I feel our state is in a leadership position to do the right thing in creating clean power and weaning ourselves from nuclear, coal, and oil based energy. Granted it may not be the "cheapest" decision in all cases, but doing the right thing has seldom been what's easiest. But to continue ignoring the future environmental problems by "kicking the can down the road" until someone else is in office and the problem has exacerbated itself is likewise not a viable solution.

I also believe in choice, and a person's right to choose to provide their own power, fix their energy costs, and somewhat de-couple themselves from the monopoly that is our utility system is a good thing. We need, should have, and should pay for a utility system to support our energy needs when solar PV can't do the whole job. But for utilities to take a position that solar PV isn't a good solution, while themselves building their own solar PV facilities, proves that their interest is in keeping the monopoly.

I also support the job creation this industry has brought to Arizona. To do the same old thing, not embrace this technology, and not create jobs would have been folly in a time critical of keeping quality people employed in our state and paying taxes. As new construction skidded to a stop half a decade ago and our job industry fell, solar PV was one of the few industries that stepped up to fill the void. Unfortunately we lost a lot of skilled people, who had to move out of state and thus took that tax base with them. Let's not cripple the solar PV market, and again have an exodus of good, talented taxpayers go elsewhere. I'm sure the existing utility industries employee many, but doubt they could cover the number of jobs we have with those employed in solar PV now.

Thanks for giving audience to my voice on this topic. Again I ask for support, wisdom and discretion with an eye on the big picture as you consider this important topic.

Thanks,



Clint Rapier, P.E., Vice President of Operations

Hawkins Design Group, Inc.
2152 South Vineyard Avenue, Suite 107
Mesa, Arizona 85210
Clint@hawkinsdg.com

Phone: (480) 813-9000
Fax: (480) 813-9001
www.hawkinsdg.com

Teresa Tenbrink

From: Laura Stott <laurawstott@gmail.com>
Sent: Wednesday, November 13, 2013 1:50 PM
To: Burns-Web; Stump-Web; Pierce-Web; BitterSmith-Web; RBurns-Web;
mailasfor@cc.state.az.us
Subject: Stop APS!

To Whom it May Concern,

What APS is up to is sickening. Don't let them get away with it. I saw one of the adds last night... using a pretty little girl (who clearly would have NO IDEA what a subsidy is) to shame people into thinking that people who pay to install solar panels to make use of the free energy the sun provides are somehow getting away with something, is just sick! APS WANTS us to stay dependent on coal and natural gas for our energy needs, that is their bread and butter. And they are willing to do underhanded things to get what they want.. our money in their pockets. Please **stand up for the public** and stand up to this corruption.

Thank you,

Laura Stott
Private Citizen, no affiliation to anything.
Gilbert, AZ.

Tim Hickok 206-683-8762
Kathleen Walker 520-299-7515

The typical symptoms of stress are eating too much, impulse buying, and driving too fast. Are you kidding? That's my idea of a perfect day!

Teresa Tenbrink

From: juliaehuston@aol.com
Sent: Wednesday, November 13, 2013 1:39 PM
To: Stump-Web
Cc: BitterSmith-Web; RBurns-Web; Pierce-Web; Burns-Web
Subject: DO NOT ALLOW APS TO RUIN SOLAR

As a Phoenix resident, property owner and tax payer, I am urging you to support the Solar industry and protect us from organizations like APS and their monopolistic attitudes.

This whole area should be supporting the use of solar energy.

Please do not let us down and protect our rights and protect the future for others.

Julia Huston
602 279 1270

Teresa Tenbrink

From: Sue Sciacero <suesciacero@gmail.com>
Sent: Wednesday, November 13, 2013 1:25 PM
To: BitterSmith-Web
Subject: Support the solar industry

Hi Susan,

My husband and I have supported you throughout your career – you’ve done an amazing job especially on the water rights issues. Thank you. Now, we need your support for the solar power industry. We need this industry to flourish – not just to give APS market competition but because so many of us want clean energy – energy that doesn’t pollute our air and doesn’t give us waste management problems for the future. We don’t need for APS to build more coal and gas plants and more grid lines that transport electricity from 100s of miles away. We need energy that is clean and doesn’t waste resources (land, oil and minerals) – these needs are essential for a strong Arizona and a strong country. Please consider these points when you vote. The first folks to speak today were politicians and APS lobbyist – they have power but common sense for a healthy environment should be strong enough for everyone to vote to support the solar industry. The more people who install roof-top solar the more the costs will drop and the more viable competition for lowering energy bills. This is so important because soon the solar energy cost will be low enough for everyone to afford. APS’s argument is analogist to asking car hybrid users to pay more at the gas station so they can be taxed to help pay for the road since they now use less gas and contribute less road taxes. This argument is totally opposite to the ideals that an independent energy nation is the best. The nation needs energy independence and we consumers need more independence from APS and more control over pollution from coal, gas and nuclear plants.

Thank you

Susan and Jim Sciacero
480 991 3367.

Teresa Tenbrink

From: The Morones' <christlike.morones@gmail.com>
Sent: Wednesday, November 13, 2013 12:54 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Docket Number E-01345A-12-0290

As a solar customer and an APS customer, I urge you to reject any attempts to "tax the sun". There is no denying that Arizona is a prime location for residents to "go green" and the result will be lowered revenues on traditional electric power companies. But people like me who are taking steps to protect our environment and use technology like solar power should not be punished. Companies like APS will just need to find other ways of generating revenue rather than dividing neighbor against neighbor as they have been with recent television and web ads (under the guise of "Prosper HQ").

Thank you.

Daniel and Barbara Morones

Teresa Tenbrink

From: Jacobs, Kevin <Kevin_Jacobs@fmi.com>
Sent: Wednesday, November 13, 2013 12:12 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: Utilities Div - Mailbox
Subject: E-01345A-12-0290 - Residential Solar Energy

As we look at implementing renewable energy in AZ, solar is obviously the option that makes the most sense. Residential rooftop solar has offered an incredible amount of available space in areas that normally would not have been used, which is one of the reasons our family choose to implement solar. But changing the rules not only punishes those of us who signed up for long term leases based on the current rules, it also provides an important negative standard moving forward (since the environment becomes unstable, which is a key element when you are considering this kind of a long term investment). I understand that there needs to be a solution that meets the needs of both utilities and residential customers (and I thought the current agreement was doing so), but the current solution proposed by APS feels like a one sided solution. The state has put a lot of effort into increasing the amount of renewable energy used, this feels like a big step in the opposite direction.

Thanks

Kevin Jacobs, DBA-IS

IT Services Lead



O: (602) 366-7741 C: (480) 233-0136

Self Service Password: [Register/Reset](#)

[Global Call Center](#)

Teresa Tenbrink

From: Joe. Scates <jfscates@gmail.com>
Sent: Wednesday, November 13, 2013 11:57 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Questionable APS claims

This morning I read another incredulous APS claim on AZCentral.com local news which I show in quotes below.

“APS estimates that solar customers each shift about \$1,000 a year to non-solar customers. Based on APS figures, the average non-solar customer pays about \$17 a year, or \$1.40 a month, in costs that the 18,000 solar customers are avoiding.”

How does each solar customer shift \$1,000 per year when the average non-solar customer pays only \$17 per year? To make this true, each solar customer would need to use 59 ($\$1,000 / \17) times the amount of electricity coming from the power grid than the average non-solar customer. I would venture to guess the average solar customer uses significantly less power from the grid than the average non-solar customer.

Even if each solar customer used the same amount of electricity from the power grid as the average non-solar customer then APS would be losing \$306,000 ($18,000 \times \17) annually from all solar customers. As an analyst, I am well aware that APS can reproduce these same numbers for you. But how they arrived at these numbers and what they really mean should be challenged.

If the quote, shown above, is true, APS must think you (The Arizona Corporation Commission) and I are really stupid.

Joe Scates

Teresa Tenbrink

From: ewi-a-d-s@t-online.de
Sent: Wednesday, November 13, 2013 10:21 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: --- ref.no.: E-o1345A-12-o29o ---
Importance: High

reference no.: E-o1345A-12-o29o

dear commissioner,

we are customer of APS and living in the north of scottsdale --

from discussions with friends we know APS is planing to pay less money to the owner who would like to install solar in the future --

arizona is the perfect state in the US for solar systems, because of 350 days of sun and in the long term the whole enviroment will have the benefit of lower engergy costs -- other countries with less sunshine and less excellent conditions like arizona supporting the solar systems stronger and APS is able to support solar buyers stronger in the interest of the state of ARIZONA --

-- manfred + mausi bellen --

Teresa Tenbrink

From: RONALD DRAKE <headduck2@cableone.net>
Sent: Wednesday, November 13, 2013 10:11 AM
To: BitterSmith-Web
Subject: APS Solar Proposal

Dear Ms Bitter Smith,

I am in great opposition to the APS proposal for grid maintenance charge or any other form of compensation for grid maintenance at this time. I am a proponent of the deregulation of supply of electrical energy in Arizona, I know this was dismissed earlier.

Thank you for your consideration in this matter.
Sincerely,

Ron Drake

Teresa Tenbrink

From: L. D. Brumley <ldbrumley@q.com>
Sent: Wednesday, November 13, 2013 10:03 AM
To: BitterSmith-Web
Cc: ldbrumley@q.com
Subject: APS' request - Solar Energy Tax

13 November 2013

Hello Ms. Bitter Smith:

I request that you vote NO to APS' request to levy a 'fee', (essentially a tax), on homeowners and business owners who have invested in the hardware infrastructure to use solar power. At this point in solar-power's development any obstacles – particularly financial disincentives – will result in a reduction in the development and implementation of solar energy at a time when it is just beginning to become economically viable. Continued development of alternative sources of energy and power are critical to both Arizona's and the National economy. Any obstacles which impede growth and development of those alternate sources will also impede the growth and development of Arizona's economy; both in the short term, and even more so over the longer term.

Please do not allow a utility company, even with tacit support from others, dictate energy policy in Arizona. If APS is a well-run organization, then it will be able adapt to and accommodate the integration of alternate sources of energy; rather than relying primarily on the continued use of fossil fuels and nuclear power as it does now.

If the CC approves APS' request, then it will be enabling, not only APS, but all energy producers in Arizona, to continue with essentially the 'status quo'; which will NOT enhance the continued development of alternative energy resources, including solar power. Indeed, approval of APS's request will only serve to impede the growth and development of Arizona's economy.

Although I do have a business degree and an MBA, and am a former Phoenix/Scottsdale businessman, I have absolutely no ties with, or financial interests in, any companies or organizations involved with the development of alternative energy sources, including solar energy. I am, however, a very concerned long-term Arizona resident who desires to assure the State's continued growth and development is not hampered by short-sighted regulations and ill-conceived policies which pander to large energy/utility companies; who may have deep pockets, but lack foresight. Please vote NO on APS' fee request.

Sincerely,

Lyndel D. Brumley

Teresa Tenbrink

From: dirkaz@cox.net
Sent: Wednesday, November 13, 2013 9:54 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: No to APS solar tax attempt - referencing docket number E-01345A-12-0290

Dear AZ Corporation Commission,

even though I'm not an APS customer I am a solar rooftop PV system owner and I'm very much against APS' attempt to tax solar rooftop owners/customers. Their intentions are purely greed and profit driven and would shy people away from investing in clean, renewable energy.

People like me invested a lot of money to put something in an equivalent value of a mid size family sedan on their roofs in order to help the environment and to help produce clean, cheap, renewable electricity, so that the utility companies don't have to build more power plants, etc. People like me would get punished for making a contribution to the betterment of the community. We still pay our share for electricity, use of the grid and maintenance of the infrastructure like everyone else, even in month that are 100% covered by solar electricity, except, we also invested a lot of money up front.

It is not like solar rooftop owners are getting rich in the process.

The simple ROI (not considering rate increases) even after incentives is still 10 to 20 YEARS before we break even on the money we put into such systems. Excess electricity, on my system mostly produced during high demand ON-Peak hours is reimbursed at 2.9 cents/kWh by my utility company (I'm not sure how APS does it but it might be similar). Yet, if I would use it, I'd have to pay up to 34 cents/kWh. That is 31.1 cents/kWh I feed back into the grid that the utility company uses for someone else and charges 34 cents/kWh for it. I would say the utility company profits, right?

What APS is asking for would be equivalent to the oil companies asking to charge electric car owners \$200 per month because they no longer have to fill up at gas stations or perform oil changes and it cuts into their profits. Ridiculous.

APS made contracts with solar rooftop owners. They should stick to that.

Please don't give in.

Best Regards,

Dirk Braeuer

Teresa Tenbrink

From: Edward Lugo <ed_lugo@yahoo.com>
Sent: Wednesday, November 13, 2013 8:48 AM
To: BitterSmith-Web
Subject: Subsidized utilities

Arizona corporate commission:

Please consider the people of this state who do not have roof top solar panels. We should not be required to subsidize those who are fortunate to have the funds to defray from the utilities by installing solar panels. Let them pay their own bill.

Ed lugo

Sent from my iPad
Sent from my iPad

Teresa Tenbrink

From: Jim stACK <jstack6@juno.com>
Sent: Wednesday, November 13, 2013 9:09 AM
To: BitterSmith-Web
Subject: we will be watching the hearing today!

Susan,

We are all watching the hearing today. This could change the history of Arizona to one that encourages clean power and gets the utilities and consumers to work together or ends solar and all of it's potential.

Jim Stack

Teresa Tenbrink

From: Joan Wolf <41joanwolf@gmail.com>
Sent: Wednesday, November 13, 2013 8:52 AM
To: BitterSmith-Web
Subject: Refer to Docket No. E-01345A-12-0290.

Wish I could attend the meeting, but New knee, not going, anywhere but I feel strongly against the latest APS money grubbing idea. Solar should be encouraged not discouraged, I don't own solar so I will be charged more, but is that because the Commission agreed that APS a private company, a guaranteed profit? Didn't like that either. Its time, if not over time to do what's is right.

Joan Wolf
10825 West Willowbrook DR
Sun City, AZ 85373

623-583-7755

Teresa Tenbrink

From: Jeff Hostetler <jeff.hostetler@gmail.com>
Sent: Wednesday, November 13, 2013 8:26 AM
To: Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: APS

Please do not let APS charge current or future clean solar energy users an additional fee. It will curtail this county/state/community's efforts to harness clean abundant energy. Please take the high road on this issue and stop APS from levying the future.

Thanks
Jeff Hostetler

--
"The manner with which we walk through life is each man's most important responsibility, and we should remember this with every new sunrise."

--Thomas Yellowtail, CROW

Teresa Tenbrink

From: Robert Roty <rrotysprint@earthlink.net>
Sent: Tuesday, November 12, 2013 10:55 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: referencing docket number E-01345A-12-0290

Dear AZCC member,

I support private solar. As a solar panel owner, I believe I'm doing my part to reduce the carbon footprint in Arizona. Taxing solar will bring an end to private solar at the wrong time. Solar is good for everyone and the environment. Let's keep it that way and not tax it. Taxing solar just plays into the hands of utility companies that are looking to control the energy delivered to Arizonians. Don't let this happen!! Don't tax Solar!!!

Bob Roty
955-1905 (iPhone)
437-1757 (Work BB)
529-0068 (H)
794-1058 (W)

Teresa Tenbrink

From: Bob Cherry <maninaz@q.com>
Sent: Tuesday, November 12, 2013 10:43 PM
To: Pierce-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Docket # E-01345A-12-0290

Robert w.& Darla K Cherry
1503 S. Aida ave
Tucson Arizona 85710
520-298-9261

To: Members of the corporation commission

Date: 11-12-13

Subject: Docket # E-01345A-12-0290

I hope I'm doing this right I am sending this letter to all of the commission members I don't do this much. I have seen the ads on TV about people with roof solar are getting some kind of free ride ? I moved to Arizona 5 years ago when I had to retired from the post office early and am a disabled veteran. I am 60 yrs old my wife is 57 and can no longer work she has early onset Alzheimer no social security yet forever. I took the last of what was a supplemental retirement fund I had and got 48---235 watt cells installed on my house. The limited income we now have made these cells a god send our avg T.E.P bill for 12 months was \$204.00 a mth before cells now I send more power back. A few mths back my bill jumped 30% my grid tie in service bill went from \$7.00 to \$10.00 I know I know it's only \$3.00 but it's 30% just to be tied into the grid which I give power back to for the last 2 years.

I thought that I would help myself with a lower bill send power into the grid for others so the power company would not have to buy from other sources or burn more coal or other fuels. My extra money goes to all my local Tucson business paying my bills, food, and everything we need. Please don't penalize us for doing the right thing for everyone I don't have this extra money are you putting a meter on the sun for the power companies and other people.

I hope you understand what I am trying to say and would like to have one or all of you to call me when you can so I know I have been heard

Thank You

Robert w. Cherry

Teresa Tenbrink

From: Leo Klebanow <lklebanow@att.net>
Sent: Tuesday, November 12, 2013 10:37 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Vote no!!!!

I put solar panels on my roof for three main reasons.

1. To protect the environment.
2. To show my granddaughters that I am doing my share to protect the environment. Yes, I do agree with those scientists who stress the negatives of global warming.
3. The financial rewards of doing so.

Had it not been for the financial rewards, I couldn't have afforded to use this inexpensive and "safe" energy alternative.

Don't kill what was my original decision to go solar.

If you approve that solar users are to pay higher rates, not only will they be hurt but far less people will resort to solar to the serious detriment of our environment.

Find another way to feed your thirst for higher profits; find an alternative way to keep from killing our environment.

Leo



Leo E. Klebanow

25456 S Glenburn Dr.
Sun Lakes, AZ 85248

p1: 480-729-0808
p2: 480-636-1947

Teresa Tenbrink

From: John Lutes <liljohnnyo@afaz.net>
Sent: Tuesday, November 12, 2013 8:00 PM
To: BitterSmith-Web
Subject: No APS Rate hike

I support Rooftop Solar, I stand opposed to an APS Rate hike on rooftop Solar.

John Lutes
542 N Hassayampa Dr
Prescott, Az. 86303

Teresa Tenbrink

From: carol mansfield <cmansf311@gmail.com>
Sent: Tuesday, November 12, 2013 7:57 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Save Solar in the greatest Sunshine State docket number E-01345A-12-0290

Dear Honorable Commissioners;

Arizona Public Service is narrowing the message.

Remember when the utility company told us that solar energy was good for Arizona because it delays development of expensive power generating and transmission facilities?

Creating energy on our homes, schools, and business rooftops saves all that energy lost in transmission from faraway power plants! Energy on our rooftops also offers us much greater sustainability, reliability, and security!

And when power is transmitted from our rood tops it is to the existing grid!

The money saved by not building new power plants should be used for maintenance of transmission and existing infrastructure, NOT corporate and shareholder profit!

Transmission of energy from distant power plants is greatly inefficient and non-renewable sources make our environment hotter and unhealthy!

The **APS** argument is one of David versus Goliath:community good vs corporate power!

Please, don't embarrass Arizona. Please vote to save Solar in this great sunshine state!

Sincerely,

--
Carol & David Mansfield
Cave Creek, Arizona
(707)330-7027
(707)249-3490

Teresa Tenbrink

From: Sofia Ross <sofiaross66@gmail.com>
Sent: Tuesday, November 12, 2013 7:12 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: referencing docket number E-01345A-12-0290 - Solar

As an Arizona resident and homeowner, I do not agree that residential solar customers should be taxed or charged a fee for becoming a rooftop solar customer. If you decide to vote on the side of the utility company, then you are going over to the DARK side and this will mark your name and that bad decision will follow you forever. I have a daughter who is an environmental studies student in her 3rd year of college and we believe that you will be sending our state back into the dark ages if you allow the utility company to charge us a tax or fee. They need to pay the same rate for the clean power that is put back on the GRID from the rooftop solar owners and at the same rate that they would charge the consumer for that same power. They have made a huge profits that has held down consumers for many years. This is not a joke and you need to do the right thing for all the roof top solar current and future customers. Allowing the utility company to win will destroy the future of Solar in the most amazing state of pure sunshine. We as Arizonans have to set the tone right hear and right now and you need to do your part. Why should any solar company decide to do business in a state that is corrupt and unjust? I left the east coast because I believed that this state is fair to solar industry, their residents and employees the work in the solar industry. These workers are our Arizona residents that are working and raising families that really care for their environment and their children's future. **DO THE RIGHT THING!**

--
Sofia Ross, Glendale Arizona

Teresa Tenbrink

From: George Eifler <geifler@cox.net>
Sent: Tuesday, November 12, 2013 6:57 PM
To: lyndon-rive@solarcity.com
Cc: BitterSmith-Web; Stump-Web; Pierce-Web; Burns-Web; RBurns-Web
Subject: Re: Update: It all comes down to this

Dear Mr. Rive

I am sorry but the issue before the Corporation Commission is not about saving/assuring the solar industry in Arizona. It is about forcing citizens to subsidize/underwrite solar for those who can afford to install it.

Knowing that Arizona has MANY Senior Citizens within its borders you are campaigning for those living on fixed income to support indirectly your salary which is FAR HIGHER than any of us could have seen in our career. So you are pushing for a rally against Seniors and low income people who will have to pay higher rates so those who can afford solar will get money from those that hurt the most. This is so disrespectful and unconscionable on your part.

I have NOTHING against solar. I just have a BIG PROBLEM with people in the solar industry who do not endorse the free enterprise system., When an industry does what you are doing in expecting/forcing citizens to pay for your inefficient business model that is what I am against.

The email below that you sent out and all the TV advertising is downright deceptive and filled with Obama type disinformation. Why not use that promotion money to offer price incentives to those who can afford solar. Keep your hands out of my pockets!

George A Eifler
Phoenix, AZ

----- Original Message -----

From: SolarCity CEO Lyndon Rive

To: geifler@cox.net

Sent: Tuesday, November 12, 2013 11:36 AM

Subject: Update: It all comes down to this

[View with images](#) [View text version](#)



Dear George A,

A big THANK YOU to all of you who plan to come to downtown Phoenix Wednesday morning and stand up for Arizona solar. The Arizona Corporation Commission needs to know how much you care about Arizonans' ability to go solar and how much you want a 21st Century industry to have a bright future.

The rally kicks off at 9am, but you can come any time on Wednesday. It's going to be fun! There will be music, food and good people who love solar. Come by on your lunch break and say hi!

Here's the RSVP link. If you cannot come on Wednesday, please share this invitation with anyone who

might be able to come. We really appreciate your help!

Sincerely,

Lyndon Rive, CEO
SolarCity



This email was sent to geifler@cox.net. SolarCity respects your privacy. We do not rent or sell email addresses. Read our [privacy policy](#).

[Unsubscribe](#) at any time.

Have a question, comment, concern or compliment?

Call us at 888-765-2489, email or write to: SolarCity 3055 Clearview Way San Mateo, CA, 94402

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Teresa Tenbrink

From: GLDecker@aol.com
Sent: Tuesday, November 12, 2013 6:03 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: Utilities Div - Mailbox
Subject: APS Solar controversy -- A customer point of view
Attachments: ACC Solar from APS.pdf

Dear Commissioners,

Please see the attached pdf. It contains the essence of the APS Solar controversy.

Sorry I could not be there in person.

Gordon

Gordon Decker
22605 N Dusty Trail Blvd
Sun City West, AZ 85375
623-322-8635

Teresa Tenbrink

From: Todd Wigington <toddwig63@gmail.com>
Sent: Tuesday, November 12, 2013 3:26 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: NO Solar TAX!!

Please vote this down!! APS should not get this to pass so they can make more money

Docket Number E-01345A-12-0290

Todd and concerned citizen

Teresa Tenbrink

From: cecilaandpmech@q.com
Sent: Tuesday, November 12, 2013 2:40 PM
To: BitterSmith-Web
Subject: docket # E-01345A-12 0290

Several commissioners ran as being supporters of solar. It is now time to step up to the plate and vote to not approve the APS request.

APS endorsed energy saving methods and encouraged solar panel installations when a requirement was placed upon them to produce a percentage of

their power with solar. The public
● responded and produced that solar power. They should not now be allowed to "sing a different song."

The TV advertisement that solar users do not pay for upkeep of
● APS equipment is incorrect and misleading. That is the purpose of the delivery service charge which solar users also pay.

Teresa Tenbrink

From: Matt Blomberg <avandin@hotmail.com>
Sent: Tuesday, November 12, 2013 2:12 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web
Subject: Docket # E-01345A-12-0290: Taxation of Solar Energy

To the members of the Arizona Corporation Commission,

Solar energy is a clean and beneficial energy source that has been utilized by people for some time now, and those that benefit from it are not just the owners of the panels. The sun is an energy source which can't possibly be owned or taxed by any corporation, and has been around to our benefit for more years than humanity has existed, no matter if you believe God created the sun for us or otherwise. Solar power is a step in the right direction, and no company has a right to the power that an individual is creating or using. It's almost as if the next step is for gas companies to tax the oxygen needed to burn the fuel in the engines of our cars, it seems so ridiculous to me. It's something free for all of us, and times are changing. If the energy companies want to be able to make more money, they should be devising more methods to do so, not working on staying a monopoly and driving out any and all competition. I stand with a great many others in opposition to the taxation of solar energy, and I urge you all to do so as well.

Sincerely,
Matt Blomberg

Teresa Tenbrink

From: medmo@aol.com
Sent: Tuesday, November 12, 2013 1:58 PM
To: Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Fwd: medmeo@ao.com

-----Original Message-----

From: medmo <medmo@aol.com>
To: Pierce-web <Pierce-web@azcc.gov>
Cc: medmo <medmo@aol.com>
Sent: Tue, Nov 12, 2013 1:48 pm

Please vote to keep the current Solar agreement of terms for customers that have chosen to use Solar Technology.

Please vote to keep the Solar incentive in place for new consumers

Respectfully

Michael Y. Edmonds
1575 West Road 4 North
Chino Valley, AZX 86323
medmo@aol.com
508.397.0415

Sent from Windows Mail

Teresa Tenbrink

From: mandydog@q.com
Sent: Tuesday, November 12, 2013 1:42 PM
Subject: Docket #E-01345A-12-0290

Dear Sir or Madam:

The negative ads for solar recently seen on TV are an abomination. They are totally untrue and misleading, and should be removed. We have solar and still pay the grid fee monthly, even when we have no net electric use. The only reason APS is running the ads is to make a huge amount of money. Solar power helps everyone: the utility companies by helping them to comply with federal law requiring a certain percentage of green power, and our environment by providing green power. With the amount of sun we receive in AZ, it is a perfect place for solar. And APS wants to destroy this by further taxing solar power, merely due to self-centered greed. PLEASE do not pass the tax they desire. Help to further a "green" environment and encourage more solar power by consumers, not less.

Thank you very much.

Sincerely,

Dr. Lorene Van Dam

Teresa Tenbrink

From: Brian Ramuno <brian.ramuno@gmail.com>
Sent: Tuesday, November 12, 2013 12:59 PM
Subject: Don't Kill Solar: docket number E-01345A-12-0290

In regards to the aforementioned docket number, please note I will always stand to fight against the energy utilities and their quest to maintain their monopolies over the city. Don't let them do what the oil industry has done to the progression of electric motor technology. I am strongly against the solar energy tax and I am encouraging all of my friends and co-workers to join this cause.

Also note that SHOULD this tax pass, I can and will convert my solar installment to a battery operated inversion system, thus removing any dependence from SRP/APS. I can choose to go completely off grid and not contribute any CLEAN electricity to the city for re-distribution. If the solar tax is approved, I will encourage all of my solar friends to do the same.

Brian Ramuno
Resident of Phoenix,AZ

Teresa Tenbrink

From: Carl <ckamjr@cox.net>
Sent: Tuesday, November 12, 2013 12:46 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: E-01345A-12-0290 SOLAR

This week will bring a very important moment in your political life.
I am asking you to say 'NO' to APS and it's plan to tax the sun.

I have solar on my roof, and am a registered Republican.
I don't understand what APS is giving me for my paying for and having Solar.

I paid \$16,000 for a 20 year contract on the solar equipment.
It will take me 8 years to break even! Yes, 8 years before I even break even!

What happened to renewable energy?

Think about it! Your vote is important.
Tell APS to get into renewable energy and shut down the nuclear plant.
APS budget is not my problem. My family's finances are.
And please remember I vote. And if the Republicans want my vote, they will support my going solar, and not wanting to pay extra! Now or in the future!

Carl Kamman
26689 N. 175 Lane
Surprise, AZ 85387
(623) 582-0145
ckamjr@cox.net

Teresa Tenbrink

From: Gene Zameda <gene@barzam.com>
Sent: Tuesday, November 12, 2013 12:27 PM
To: BitterSmith-Web
Subject: Senators Pearce email
Attachments: Urgent: Action Needed by All Conservative Americans

Dear Commissioners,

I guess the senator is right. Why should we line the pockets of solar panel companies instead of our local power companies?. Has the senator seen any studies not provided by the power companies?

I am a registered independent, and I think this senator might be taking this position to placate his donors, not his constituents. Solar energy is an idea whose time has come. So the power companies feel they are losing money? Why didn't they jump on the solar bandwagon and offer solar also? They blame people who are going solar with driving up the cost to people without solar, but they don't mention that the excess solar energy provided goes back to the grid for others to use. During periods of high demand, don't solar homes provide less of a drain on the grid?

I fail to understand why people who are trying to be part of the green energy movement and stabilize their energy costs should be made to look like the bad guys in this situation.

The power companies knew for a long time that this was coming. They did not see that leasing was an affordable way to get solar panels. Now they are paying for their arrogance. This is nothing more than a scheme the power companies are using to get more profits by using their paid advocates.

Gene Zameda
gene@barzam.com

Teresa Tenbrink

From: Concerned Citizen <toddwig63@gmail.com>
Sent: Tuesday, November 12, 2013 11:56 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: NO SOLAR TAX!

Please vote this down!! APS should not get this to pass so they can make more money

Docket Number E-01345A-12-0290

Concerned Citizen

Teresa Tenbrink

From: wephillips63@gmail.com
Sent: Tuesday, November 12, 2013 12:35 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Do not approve APS's proposal

APS, through shady third-party groups has flooded the airways with messages attacking solar customers. APS' shady behavior should not be rewarded. Their call to tax solar energy should be rejected.

Its passage will effectively end private rooftop solar as we know it. More importantly if this measure passes, APS will cement its position as a monopoly and the sun will set on energy choice. Approval of the APS plan amounts to a \$2 billion dollar subsidy for the utility monopoly.

I don't understand why APS is not supporting more roof top, in simple terms; roof top development is cheaper than the development of a power plant and they can sell excess to California. Measures such as this, reduce Arizona's economic development opportunities.

W.E. Phillips
937.272.3431

If stupidity got us into this mess, then why can't it get us out? - Will Rogers We had nothing to do, and we did it. - Arthur Conan Doyle

Teresa Tenbrink

From: Charles Turner <caphturner@yahoo.com>
Sent: Tuesday, November 12, 2013 11:34 AM
To: BitterSmith-Web
Subject: Fw: SOLAR PANEL ISSUE WITH APS
Attachments: Letter to Commissioners re Solar Panels.docx

On , Charles Turner <caphturner@yahoo.com> wrote:

On , Charles Turner <caphturner@yahoo.com> wrote:

On Tuesday, 12 November 2013, 11:29, Charles Turner <caphturner@yahoo.com> wrote:

Teresa Tenbrink

From: Stephen E Sample <ssample@ccim.net>
Sent: Tuesday, November 12, 2013 11:18 AM
To: BitterSmith-Web
Subject: Oppose Targeted Solar Power Grid Fee

Dear Ms. Smith,

I am writing you to express my opposition to the grid fee that APS is proposing to charge solar power users to sell back their excess electricity to the Grid. The grid is needed to support solar electricity, but if solar power installations are charged up to \$100 per month, then the move to solar power will be killed.

I propose that every electric user support the use of the electric grid by home solar power generators, since it benefits everyone to reduce greenhouse gas. I would pay a small additional amount in my monthly utility bill to support the common good of using solar energy. We need to move away from fossil fuel power generation to cut greenhouse gases and slow global warming.

Sincerely, Stephen Sample

Cave Creek, Arizona

Teresa Tenbrink

From: Joe Kuzma <jbkuzma@yahoo.com>
Sent: Tuesday, November 12, 2013 9:52 AM
To: Pierce-Web; Burns-Web; Stump-Web; RBurns-Web; BitterSmith-Web
Subject: Confronting misinformation from APS and Edison Electric Institute's TV Commercials

APS and Edison Electric Institute are currently bombarding the airwaves with misinformation about solar energy-grid costs in the state of Arizona. Their agenda is to provide all of the solar energy at an additional cost to rate payers. With no data to back up their claims that solar customers are not paying their fair share of grid costs, they are nonetheless currently saturating the airwaves with data-less claims hoping the typical person will believe their claims given enough repetition.

Here are detailed and actual facts on what I'm paying to stay on the grid. I'm a residential homeowner with two tracking six-panel arrays paid without any assistance from my utility company. I pay \$8/per month base rate for the privilege to stay on the grid (\$96/year). Even though my system would provide all of my power if the utility company didn't take away my surplus power every January 20th, I lose approximately 1000+ KWH annually ((\$100+/year). In addition, since the solar producing year doesn't begin until March I currently pay the utility company for 5 weeks (the last week of January and all of February (\$100).

To recap, I paid for my solar system 100% with no assistance from my utility company. My system is capable of providing 100% of my power. Yet I'm paying my utility company \$296/year before tax (second paragraph) for access to the grid. Please have the utility companies provide ratepayers the same detailed data on how solar customers do not pay their fair share of the grid. The only unfair charges the non-solar customers are picking up are the costs of the false propaganda they are airing.

As a condition for utilities to air ratepayer-paid propaganda commercials, the Corporation Commission should force them to pay for ratepayers rebuttals attached to their commercials. That would get rid of their high costs, non-factual commercials in a hurry!

Thank you for your time,

Joseph Kuzma
2177 Blackfoot Drive
Kingman, AZ 86401

Teresa Tenbrink

From: Raindance WaterWorks <raindance@esedona.net>
Sent: Tuesday, November 12, 2013 8:04 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Rooftop Solar

Commissioners,

Please don't condone APS in their efforts to punish those of us, here in Arizona, who want to do something good for our environment, by choosing solar.

We choose solar for a reason. I chose solar because I believe it is the right thing to do, so we can move away from less clean energy sources.

Whatever the individuals reasoning might be, there are enough of us out there, that believe in bettering our environment and hope to get support from our state and federal

agencies to do the same.

It does not matter what energy company it is, Shell Oil, BP Petroleum, Winn Oil, PG&E or APS, we need measures put in place, that allow us as a community, to decide how

we receive our power and at the same time allow these power companies to jump on board instead of sitting on the sidelines thinking of old times and old technologies.

Please protect our roof top solar.

Wes



"Your Professional Source For A Sustainable Future"

www.raindancewaterworks.com

raindance@esedona.net

928-239-0088

Teresa Tenbrink

From: Jennifer Anderson <JenAndersonAZ@cox.net>
Sent: Tuesday, November 12, 2013 8:06 AM
To: BitterSmith-Web
Subject: Please no APS surcharge for solar customers

Please do not allow APS to impose additional fees on solar customers.

We are adding solar to our home, but it will not be enough to cover all of our power usage. We will still be paying APS almost \$150/month.

My husband works from home and needs to power very large servers to do his job. His company does not help defray the cost to run these beasts or to keep the room an appropriate temperature.

I am a stay-home mom with a small Ebay business that will help pay for my girls' college.

Our August electric bill was over \$430 for our family of four in a 1900 square foot house. We keep our A/C set at 76 degrees. We have:

- had an energy audit,
- installed a new variable speed pool pump,
- added insulation,
- insulated outlets,
- upgraded and/or tinted windows and keep double or triple cell blinds closed during the day.
- We seldom use hair dryers or curling irons.
- I have 2 very large indoor clothes drying racks, so we very seldom use our dryer.
- We only run the washing machine, dishwasher, and vacuum cleaner during off-peak energy use hours.

We are doing everything we can to lower our usage, but it still has very little impact on the final bill. Please don't let APS jack it back up or hurt future solar customers.

Thank you,

Jennifer Anderson
10486 E Queens Wreath Ln
Scottsdale, AZ 85255

Teresa Tenbrink

From: Denise Celentano <dcelentano@theriver.com>
Sent: Tuesday, November 12, 2013 7:54 AM
To: BitterSmith-Web
Subject: It's Not about APS

Dear Susan Bitter Smith

Approximately in 2009 we read an article regarding electric power prices will be doubling in our future. Research was started regarding Solar Power for our two businesses and our home. Due to one business having an electric bill of nearly \$500.00 another of \$300.00 and our home of \$220.00 we knew our future lifestyle would be forever changed if the electric bill continued to rise.

By purchasing Solar Power we have helped reduce the costs of our struggling small businesses. We have been able to keep our employees employed. We are part of the goals of reducing dependence on fossil fuels and foreign oils. Solar has helped reduce pollution from generating plants. We employed Americans and bought American made Solar Panels and installed by Local business people. And in the end have helped with our retirement planning.

We believe that Solar incentives are needed for consumers to help the government reach their independency goals. Without incentives it is not as appealing to both business and home owners. We currently get wholesale price returns of KW in Southern Arizona, not retail rate and if changes are going to be made to current plans, we would hope to be grandfathered in our plan. The proposed rate of \$100.00 per Solar owner would go back to hurting our businesses, possibly affect an employment status and would hurt our retirement plan.

Please consider the long term affect on Solar Energy for helping our reliance on foreign fuels and fossil fuels. Take another year to work out a plan for all parties involved. One more year will not hurt any of the parties' involved. Need to set position for #1 State involved in Solar Energy. Need to be leaders in Solar Energy, to set the example for rest of the USA. It is not just about APS, it is about all of us in USA.

Thank you for your time
Owners ~ Super Lube Plus & Super Suds Carwash (Benson, AZ)
Terry & Denise Celentano
520-586-7314

Teresa Tenbrink

From: This is the one <b-boppn57@cox.net>
Sent: Tuesday, November 12, 2013 7:23 AM
To: Utilities Div - Mailbox; Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: APS Solar Tax

John Spall
13810 N 39th LN
Phoenix, AZ 85053
602-038-2519

I wish to make a comment about the APS Solar fee. My wife and I had a rooftop solar unit installed on our home for several reasons. The biggest reason was to reduce our power bill, we are retired and on a limited budget. Over time it would pay for itself.

The second reason was to increase the value of our home. The "grandfather" clause APS is just a ploy to placate the solar owners who think "grandfathering" them in will solve all of their problems. If they do not sell, the solar fee will still be applied after twenty years in service. I bought this house new in 1978 and have no plans to move. However others will sell their homes before twenty years and the time left on their grandfathering will have a definite effect on their home value.

Adding the fee will also force most solar companies out of business. The solar fee will raise the monthly power bill up enough there would be no point for home owners to spend thousands of dollars on roof top solar that they will never reap the rewards of. What about all of the homes with solar now, who will repair them if there are no solar companies around?

APS told a story about how we could save money and help APS and the planet by putting solar on our roof. One year later APS wants us to pay for a grid that we are attached to but use very little now except for a couple months a year. How is that different from a house on the grid that is a summer home or a winter home that is only used at certain times of the year. Sun City is a great example, hundreds are empty during the summer months. They are attached to the grid but using very little power. APS is not making a fuss about those homes. Those homes however are not putting any power back into the system as they sit there. Solar homes do pay for the grid during high usage times when demand is higher than solar capacity. Solar houses are putting power into the system or supplying power to the houses they are mounted on through out the year saving APS the cost of building more power plants, buying fuel to run these plants and maintaining the plants.

This just a ploy of APS to fleece the pockets of solar owners who have spent many months waiting for permits and inspections, a lot their own money adding solar to their homes only to have APS move the "goal post" it took so long to get to.

The APS sponsored ads on TV make solar owners look like the bad guy for helping ourselves, APS and the environment.

Voting NO to the APS request is the only thing to do. Thank you.

John Spall

Teresa Tenbrink

From: rstockdale3@cox.net
Sent: Tuesday, November 12, 2013 6:26 AM
To: BitterSmith-Web; RBurns-Web; Pierce-Web; Stump-Web; burns-web@azlcc.gov
Subject: Solar tax & rate increase

Dear Corporation Commission:

Within the last year I had solar panels installed on my house. This was done because APS rates had increased to an unacceptable level, concern for environment, and rebates from both the government and APS indicated this would help everyone involved. A win - win scenario.

Recent advertisements on TV indicate solar customers don't pay their fair share for using the grid which is a flat out lie. I pay APS approximately \$0.15 per kilowatt hour for energy I use during the night time and non solar producing hours. During solar producing hours my solar panels provide all of my electricity and all excess is sold to APS at a rate of approximately \$0.06 cents an hour. They are making \$0.09 an hour profit on every KWH I provide to them and I am paying full rate for electricity I use from the grid.

The more solar energy that is produced the less oil, coal and other environmentally unfriendly energy production is required. The use of solar should certainly be encouraged which taxes and increased fees results in quite the opposite. Solar customers have put out a lot of money to lower their utility bills and help the environment and penalties for doing the right thing should be unacceptable.

Please vote no on any actions that would adversely effect this industry or solar customers.

Thank you

Roy Stockdale

Those who give up freedom for security will ultimately end up with neither!
Ben Franklin

Teresa Tenbrink

From: rbworld@cox.net
Sent: Tuesday, November 12, 2013 6:14 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Solar Choice

Let the Commission know we stand for solar choice: referencing docket number E-01345A-12-0290.
Please prevent APS from taxing the sun. We need freedom to support alternatives which work for the consumer & environment.

Randy Bell
Scottsdale, AZ 85259

Teresa Tenbrink

From: thomas morrissey <tpmorrissey38@gmail.com>
Sent: Monday, November 11, 2013 11:05 PM
Subject: A Word With You on Common Sense

As the time approaches for a decision on the future of solar energy, and don't think for a moment that this will not be a decision that will determine the direction the rest of the country will take with solar energy. As a result, there is tremendous pressure on all concerned, which is all of us, and especially the members of the Arizona Corporation Commission, to make the best decision possible.

Arizona has been, and is, a trend setter on many key issues throughout our country today, and this is based on our pioneer spirit and history. It is in that light that we stand now, at a very important 'fork in the road' when it comes to the future of solar energy.

APS has taken the position of championing what they say is the fairness issue of non-solar customers subsidizing the solar customers. Really? Isn't that the very system they have in place now which penalizes energy efficient customers with the same rates that energy "hogs" use in the total pool of energy usage? In fact, isn't the real issue that they are experiencing some competition and loss of control which would not take place if they could price the solar customer out of the energy market. In the end, and in my humble opinion, it is wrong... dead wrong. Because, the result of what they are proposing will be the end of the fledgling solar power industry, and will put us back on the path of more dependence on foreign energy sources, with the continuation of the depletion of our national treasure as it goes to, in most cases, those who do not have our best interests at heart.

Utilities, like governments have been established as a monopoly by the states to provide uniform and dependable energy to all their customers. That has eliminated competition we typically see in the private sector. Yet it is competition that drives excellence and achievement. We are a nation of achievers... it is in our blood. It is what has made us the greatest country the world has ever known. And throughout our history, while on our way to greatness, innovation has emerged and has often times been challenged and threatened by the bureaucracies that preceded it. This is what I believe is happening now with APS and the emerging solar panel industry.

I ask you all to look at this issue with an open mind. Now we have a very new form of energy which can be purchased and used by individuals with some support at this point from the utility industry. It fits our new clean energy model and our need to become

energy efficient as a nation. Energy is a critical issue to the survival of our way of life and we have a right to participate in the decision, through our elected Corporation Commissioners, as to how it is delivered. Ultimately, are we going to stand for more or less freedom from the monopoly? We must choose more freedom and more energy choice.

Tom Morrissey, Immediate Past Chair, AZ GOP

Teresa Tenbrink

From: HEPLO5615@aol.com
Sent: Monday, November 11, 2013 8:09 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: heplo5615@aol.com; Auntyellen23@aol.com
Subject: Solar Panel Controversy

Dear Commissioners:

I fully supports APS's amended proposal which will allow current solar panel users to transfer ownership of those panels in the event of the sale of the home by the current owner or by future heirs. I urge you to accept this proposal. Its adoption would relieve senior home owners of one more burden.

However, I disagree with the notion of imposing additional fees on solar panel users, and/or the reduction of credits for unused electricity sent back to the grid which APS will ultimately sell at a profit. It is more than fair that consumers of any commodity be charged only for what that consumer uses, and this certainly includes solar panel users. After all, panel users are subject to future rate increases for electricity supplied by the grid, as are all non-panel users.

For years elected officials at all levels of government have hailed to use of alternative sources of energy as a way to lessen the use of fossil fuels, and yet those who have now done so may be on the verge of policy changes which will negate that effort.

Respectfully submitted,

Howard Plotkin
14663 W Antelope Dr
Sun City West, 85375

Teresa Tenbrink

From: Bill Gibeaut <billgibeaut31@hotmail.com>
Sent: Monday, November 11, 2013 7:23 PM
To: Stump-Web
Cc: Pierce-Web; Burns-Web; BitterSmith-Web; RBurns-Web; Brandon Anderson; APS
Subject: Current APS anti Solar requests

To: The AZ Corp Com:

Please see through the **self serving issues** that APS is raising concerning them wanting to limit/restrict Solar within AZ.

Why do you allow them to directly and indirectly launch TV Campaigns on these issues. I sure hope you make sure that they are **not using Rate Payers' funds** for these activities.

When we purchased our PV rooftop Solar system in 2008, APS was crying to get Homeowners to install Solar, as well as commercial installations. At that time they offered decent rebates, so they could get enough Solar to satisfy a quota you set for them, plus they were saying by us going Solar that would limit the amount of infrastructure expansion they would need to incur.

Now they have flipflopped and are promoting that Customers with Rooftop Solar systems are not paying their fair share of infrastructure expenses. As pointed out in recent commercials, we are all on the grid and all use the infrastructure [to varying degrees]. How can APS now say that we are not paying our fair share of infrastructure? Is there a separate line item in our current bills for infrastructure maintenance?

I think not.

But there are line items for: Delivery service charge; system benefits charge; Generation of electricity on-peak; Generation of electricity off-peak; Federal transmission and ancillary services; Federal transmission cost adjustment (what is a LFCR adjustor?).

I strongly advise that you **hold APS accountable** that they are not using Rate Payers' money for all their negative advertising, directly or indirectly. Also strongly advise the only viable outcome at this time is to **"Table these issues,"** till the next Rate Case is submitted by APS. And to **advise APS they need to focus on expanding Solar in AZ** as a way to help our struggling AZ economy.

APS says they do not know what the Solar leases say, yet they are the middleman between all the school districts and their Solar installations. Is APS using a Solar company to finance all these projects or are they using Rate Payers' money?

If APS wants to put a separate charge for infrastructure maintenance, then it should be in the next Rate case and be applicable to all customers. How have they been paying this ongoing maintenance all these years? I think this is just another grab to make their private owners more profit. Is that not what you are there to protect against?

May Solar continue to expand in AZ!!!!!!

Bill

Teresa Tenbrink

From: Nan Thaler <nfthal@yahoo.com>
Sent: Monday, November 11, 2013 7:13 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Cc: Wayne Phillips
Subject: Stop The APS Solar Tax

APS, through shady third-party groups has flooded the airways with messages attacking solar customers. APS' shady behavior should not be rewarded. Their call to tax solar energy should be rejected.

Its passage will effectively end private rooftop solar as we know it. More importantly if this measure passes, APS will cement its position as a monopoly and the sun will set on energy choice. Approval of the APS plan amounts to a \$2 billion dollar subsidy for the utility monopoly.

Nan Thaler
4211 E. Kirkland Rd
Phoenix, AZ 85050
602-769-3081

Teresa Tenbrink

From: Barbara Ertl <baertl_3@hotmail.com>
Sent: Monday, November 11, 2013 5:01 PM
To: BitterSmith-Web; RBurns-Web; Burns-Web; Pierce-Web; Stump-Web
Subject: RE: Solar in AZ

Dear Corporation Commissioners,

I have been keeping up with the debate on solar and am concerned about APS's contention that solar customers are not paying their fair share for using the grid. If the use of the grid is a basic cost, it should be a separate line item on every customer's bill - not buried into the electrical rate. Then, if/when someone is making the determination whether to go solar, they would know that the base charge is 'x' from APS and only the actual electrical usage of that customer is what can be replaced by using solar energy.

Also, any changes should be a part of a regular rate adjustment, so should be delayed until the next is due - I believe in 2015. At that time, billing could be changed to split the use of the grid from the electricity charges as well.

Thanks for listening.

Barbara Ertl

From: baertl_3@hotmail.com
To: bittersmith-web@azcc.gov; rburns-web@azcc.gov; burns-web@azcc.gov; pierce-web@azcc.gov; stump-web@azcc.gov
Subject: Solar in AZ
Date: Fri, 12 Jul 2013 17:36:11 -0500

Dear Corporation Commissioners,

I am an Arizona voter and utility customer and I am writing to urge you to protect the rights of solar customers from the big utilities.

It seems that the current process used to charge me for electrical usage is fair. During the day, while I am creating more electricity than I need, I share the extra with the utility. At night, when my solar panels can't generate power, I use some of that same energy created during the day.

I read an article in today's newspaper that indicated APS is trying to get this changed. They want to apply a fee for maintaining the grid - but only to solar customers. I asked myself why solar customers would have to pay this fee when the regular customers do not. If all electric utility bills included a base fee for maintaining the grid, I would not be concerned. But that is not the case.

Another thing I thought of while reading the article is that since I - as a solar user - am possibly using electricity from the grid in the evening hours when demand is lower, maybe the time-of-use rates that APS allows should also be available to solar users. That way, as I am putting electricity onto the grid while the sun shines, I would be compensated for that at a higher rate, and when I am using electricity at night, I would pay the lower rate available to electrical customers that are allowed this option.

I believe that the current process used is fair to solar customers. And seems fair to the utilities as well. Since they don't have to go looking for more sources of electricity, their costs are not as high. I agree that there are costs to maintain the grid, but to put that cost on solar users, and not all customers, is not fair.

Please protect solar in Arizona.

Thanks,
Barbara Ertl

Teresa Tenbrink

From: 1850eastmainstreet@cox.net
Sent: Monday, November 11, 2013 3:22 PM
To: Pierce-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Burns-Web
Cc: chucris@mail.maricopa.gov; mrwilcox@mail.maricopa.gov; barneyd@mail.maricopa.gov; Chickman@mail.maricopa.gov; akunasek@mail.maricopa.gov; District3@Mesaaz.gov; councilmember.finter@Mesaaz.gov; councilmember.glover@Mesaaz.gov; mayor.smith@Mesaaz.gov; councilmember.somers@Mesaaz.gov; District1@Mesaaz.gov; councilmember.luna@Mesaaz.gov; rgray@azleg.gov; jmesnard@azleg.gov; jmccomish@azleg.gov; ggriffin@azleg.gov; adriggs@azleg.gov; atobin@azleg.gov; abiggs@azleg.gov; dgowan@azleg.gov; jpierce@azleg.gov; bworsley@azleg.gov; jolson@azleg.gov
Subject: Stop extorting captive ratepayers.

Folks,

Stop forcing captive ratepayers at APS and other power companies to pay an unwanted subsidy for "alternative energy", especially solar.

APS is a private company allowed monopoly powers to provide energy and receive a "profit" on the stockholder's investments.

As such, APS should decide what energy source to use to provide that power without forcing CAPTIVE ratepayers to subsidize an economic decision by APS which has been made political by political activists.

Already over \$550 million has been squeezed from CAPTIVE ratepayers who CAN NOT BUY power from any other source.

This is progressive central planning by meddling politicians and bureaucrats in what should be a market based decision.

Have rooftop solar customers sell ALL their generated electricity on the open market and then use that to offset their APS charges. Have roof top solar customers pay what other APS customers pay, less the market determined price of generated electricity. That way, the market determines how much the power from roof top solar is worth. An industry accepted surcharge for access to the grid should be easy to determine

Power cost should not be determined by politicians and bureaucrats. Stop ALL subsidies to private companies. Let the market determine what the REAL price should be.

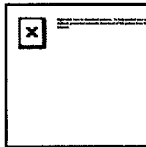
Joe Price

www.mainstreetbusinessownersassociation.org

<http://www.azcentral.com/opinions/articles/20130425robb-commission-must-adjust-solar-subsidy.html>

From: meredith.griffin@galileoaz.com on behalf of Meredith Griffin on Behalf of the Bureau of Land Management <meredith.griffin@galileoaz.com>
Sent: Monday, November 11, 2013 2:56 PM
To: BitterSmith-Web
Subject: THIS WEEK! Reminder BLM Agency and Public Meetings for Maricopa Solar Park Project

MARICOPA SOLAR PARK PROJECT



Find Out More

[BLM Maricopa Solar Park Website](#)

Contact Information

If you have questions or would like to be added to the mailing list, you may use one of the following methods:

Call or E-mail:
Joe Incardine
National Project Manager
1-801-539-4118
BLM_AZ_Maricopasolar@blm.gov

Send Us Your Comments

The comment period ends **December 4, 2013**. There are three ways to submit your comments:

Send them electronically to: BLM_AZ_Maricopasolar@blm.gov
Please include "Maricopa Solar Park Scoping" in the subject line of your e-mail message.

Mail your comments to:
Maricopa Solar Park Project
Attn: Lane Cowger
BLM Arizona State Office
One North Central Avenue
Suite 800
Phoenix, AZ 85004

REMINDER! Upcoming Agency and Public Scoping Meetings

The Bureau of Land Management's (BLM) Lower Sonoran Field Office would like to announce that the agency-only scoping meeting for the Maricopa Solar Park Project has been **rescheduled**. The agency-only scoping meeting was previously scheduled for Tuesday, October 22, 2013. The new date for this meeting is **Thursday, November 14, 2013**. The meeting is from **10:00am-12:00pm**, with a presentation beginning at **10:30am**.

In addition to the agency-only scoping meeting, two public scoping meetings have also been rescheduled for November 12-13th at the time and locations noted below.

Scoping meetings are held to give the public an opportunity to comment on matters to be considered in preparing an environmental impact statement (EIS) for a project. The public also has the opportunity to provide comments by email or by U.S. mail.

Due to the delay in meetings, the comment period has been extended an additional 30 days. Comments postmarked by **December 4, 2013** will be considered in the project's draft EIS.

The Maricopa Solar Park Project is a proposed photovoltaic solar energy project with a planned generating capacity of up to 300 megawatts, based on the best available technology at the time of construction. The proponent, Marisol Energy 2, LLC, has requested the BLM grant a right of way for 1,730 acres of public land to build the project.

For more information regarding the public scoping process or the project, please contact Joe Incardine at 801-539-4118.

Submit comments at one of the public scoping meetings that will be held in the project area.

Agency Meeting

Thursday, November 14
10:00am-12:00pm - Presentation at 10:30am
BLM National Training Center - New Mexico Room
9828 North 31st Avenue
Phoenix, AZ 85051

Rescheduled Public Scoping Meeting Dates

Open house begins at 5:30pm followed by a presentation at 6:30pm.

Tuesday, November 12

5:30pm-8:00pm
Hampton Inn & Suites
2000 North Litchfield Road
Goodyear, AZ 85395

Wednesday, November 13

5:30pm-8:00pm
Ak-Chin Southern Dunes Golf Club
48456 West Highway 238
Maricopa, AZ 85139

Galileo Project | meredith.griffin@galileoaz.com |
4700 S. McClintock Dr.
Suite 100
Tempe, AZ 85282

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This email was sent to BitterSmith-web@azcc.gov by meredith.griffin@galileoaz.com |
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Galileo Project | 4700 S. McClintock Dr. | Suite 100 | Tempe | AZ | 85282

Teresa Tenbrink

From: Mark Evans <mevans@bottaboom.com>
Sent: Monday, November 11, 2013 2:46 PM
To: BitterSmith-Web
Subject: No to Solar Tax

Please support solar customers and vote no to tax on solar! Thanks



Business Telecom Cost Savings
BottaBoom Consulting, L.L.C.

Mark Evans
Principal
3377 W. Crestone, Suite #101
Tucson, Arizona 85742

Phone: 520-572-1772 Cell: 520-275-3438
Toll-free: 1-888-487-5328
Fax: 520-572-6404

BottaBoom!
E-mail: mevans@bottaboom.com
Website: www.bottaboom.com

Teresa Tenbrink

From: Charles Brown <charlesbrownonline@live.com>
Sent: Monday, November 11, 2013 1:07 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Block APS initiative to charge private solar installations for grid use.

To all ACC members, thanks for your good work and diligent efforts. PLEASE do not authorize APS or any other utility operating in Arizona to charge customers for "Use of the Grid" and by all means allow consumers who are trying to utilize this valuable resource by investing in solar PV for their homes to benefit from the power that their systems deliver to the grid.

When you consider that power generated by most residential systems is fed back into the grid, providing APS and SRP with additional power they did not have to generate, it is only reasonable that those homeowners should not be charged unfairly simply to be on the grid.

Thank you.

Teresa Tenbrink

From: Pat Jayson <pat.jayson@cox.net>
Sent: Monday, November 11, 2013 1:05 PM
To: BitterSmith-Web
Subject: Please Protect Residential Rooftop Solar

Dear Ms. Bitter-Smith,

Please support and protect the solar customers and industry. Our belief is that the major utility companies want to slow the growth of solar products because they will decrease profits.

We do not of course have all of the facts, however the concept that the solar users are not 'paying their fair share' for the "grid" does not appear logical to us. Plus, the barrage of advertisements that appear daily on our TV and are telling us that solar customers don't pay their fair share is 'telling in itself'. The people behind these ads are obviously spending millions trying to get support to raise the rates on solar users. If the APS rate increase on solar users is granted, this will curtail the incentives that encourage people to invest in solar.

Another reason that we are asking you to support residential rooftop solar is that we are very concerned about climate change. We must encourage people to invest in rooftop solar; particularly in regions like ours with its abundant sunshine. APS and SRP primarily depend on coal fired generator plants which around the world are major contributors to pollution and global warming.

For the record, we do not have and rooftop solar products on our home. We hope to at least invest in a hot water solar heater in the future. And we are hoping that solar will become more affordable in the future for ourselves and our neighbors.

Thank you for reading our email and we hope that you will not approve the requested rate structures for solar users from APS.

Yours truly,

Mr. and Mrs. James W. Jayson
10411 N 23rd PL
Phoenix, AZ 85028
602-867-7722

Teresa Tenbrink

From: John Willetts <jjwilletts@mac.com>
Sent: Monday, November 11, 2013 11:12 AM
To: Burns-Web; Pierce-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: Donald Tracy; Doug Chatem; John Hamiltom; John Willetts; Gail Reese; Curtis Gooden
Subject: Roof Top Solar
Attachments: Friend All benefit from solar reform.html; Hallman APS should take it to ACC.html; ATT00001..txt

Good morning, folks:

By way of introduction, my wife and I recently retired from long careers in OH and built a house in Sun City Festival. One thing that led us to SCF was their commitment to solar energy. We actually increased our solar array to 16 panels at our expense.

Recently, we've become concerned about the APS attempt to neutralize the advantage we sought in spending \$13,000 for extra solar panels. Our experience with electric utilities in OH differs from APS's position in that First Energy, the OH utility, actually closed power plants to more economically provide energy to all customers when large industrial customers no longer needed the electricity.

It seems to us that APS is ignoring that option by maintaining current fixed costs and forcing customers who have invested serious money in solar panels to subsidize APS's current fixed costs. (We actually do pay APS over \$20 per month regardless of the amount of electricity we buy.) By extension of that premise, it seems that APS has no incentive to become a more efficient supplier of electric power.

We're relatively new residents in AZ and quite possibly are missing some key points in this argument, but our experience suggests that any supplier of anything, regulated or not, should be incented to become more efficient and effective in order to provide more value for its customers.

We hope you agree and will be persuaded to decide in favor of solar customers. Thank you.

Sincerely,

John & Judy Willetts, Retired
jjwilletts@mac.com
216-543-3783

Teresa Tenbrink

From: Barb Scott <bscottscw@cox.net>
Sent: Monday, November 11, 2013 9:36 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Home Rooftop Solar

Dear Commissioner,

Veteran's Day seems an apt day to reflect on what we have and why we have it. That is true of everyday choices.

I have watched and listened about changes, rumors, promises..... regarding signed contracts with Solar providers and APS.

I chose to lease Solar and have it installed by paying the full amount up front and signing contracts with APS and Solar City.

My hope was that it would prove a good investment in the future environment, leadership for others to gain confidence in solar for their own choices, and a savings (or at least payback!) over time. I believed the contracts protected my interests.

I have been disgusted by the television ads that try to turn neighbor against neighbor; non-solar against solar.....even to a point where I question the moral ethics regarding "class" or "ethnicity" visually pointed out as differences! These have been disappointing, misleading and dishonest.

I am surprised that APS does not embrace more and more solar so that they can market/sell the electricity outside the State of Arizona where clean energy is not as easily accomplished as it is here.

I will not be satisfied with any changes to the Solar arrangement with APS that differs from my contract. I expect the full 20 year coverage and support by Solar City as well as fees and prices from APS as arranged for this house/address. If I choose to sell my home within the 20 year timeframe I expect to pass on the value of the system to the new owner. That is what I contracted for.

Deals should not change after contracts are signed. Businesses have to be held accountable. In this case it is APS.

Thank you.
I appreciate your consideration as this issue is hashed out.

Dr. Barbara J. Scott
19411 N. 143rd Drive
Sun City West, AZ 85375

Teresa Tenbrink

From: MZ CPO <markziska@cpohr.com>
Sent: Monday, November 11, 2013 8:16 AM
To: Pat Quinn; RBurns-Web; Pierce-Web; Stump-Web; BitterSmith-Web; Burns-Web
Subject: Follow up

Commissioners,

I am a solar producer, I have an all electric home. I am opposed to the move by APS disparage home solar producers and find a way to increase its corporate profits.

I just reviewed my TEP energy bill and find a settlement for my excess solar energy produced. I receive a credit at \$0.02524 for 337 KWH or \$8.51, when I need energy from the grid over what I can produce monthly I pay about \$0.10 per KWH. This is a good deal for TEP, buy low, sell high. I'm good with this approach. In addition I paid a green energy tariff of \$3.21, so it's clear that I'm providing very low cost energy but also a tariff to do so.

My deliver cost or the cost to maintain the connection to the grid in \$10/mo or a 43% increase which you earlier approved this year. I have no problem with a gradual increase in connection fee, I understand business and know that the grid must be maintained and updated.

In summary I stand as a citizen of Arizona with the solar industry. We followed the rules you established and now find APS the 900 pound gorilla unhappy with the result and attempting to grab back far more than its share. Be balanced and provide grid increases on a reasonable basis. Stand for us the people of Arizona, not APS!

Mark D. Ziska
President and CEO
Chief People Officer
520-909-0422
www.cpohr.com
markziska@cpohr.com

Strategy - People - Results

“Strategy without tactics is the slowest route to victory. Tactics without strategy is the noise before defeat.”
— Sun Tzu, The Art of War

Teresa Tenbrink

From: Jim Broadwell <jbroadwell@qwest.net>
Sent: Monday, November 11, 2013 8:10 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: docket# E-01345A-12-0290

I strongly object to the proposed tax and to the misleading advertising by APS for the following reasons:

Encouraging solar power is good public policy and as such should not be taxed.

APS says the current policy toward private solar power harms seniors and those on fixed income. However, solar systems can be leased for no money down and a set amount per month which combined with the lower commercial energy costs, actually lowers the annual cost to seniors and those on fixed income with no out of pocket costs.

Even in those months when the production of private solar electricity exceeds use of commercial energy, we pay a basic charge to be hooked to the grid.

My paying for the solar electric system on my house reduces the need for APS to construct additional capacity as the population in their service area increases. I am not "going into a restaurant with my own food." It is an inexpensive way for APS to keep up with demand.

APS as a public monopoly is guaranteed a percentage return.

It makes as much sense as increasing tax on propane or natural gas since the use of those forms of energy reduces the use of APS' electricity, and therefore is unfair to seniors, etc.

Respectfully submitted,

James G. Broadwell
15021 N. Swan Rd.
Tucson, AZ 85739
(503) 312-99223

Teresa Tenbrink

From: F.X. <badasjessejames@me.com>
Sent: Monday, November 11, 2013 6:34 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Docket # E-01345A-12-0290 (Solar Tax)

Please disregard the utility companies call for taxation on this matter.

This docket is a job killer. Finally when solar has become half way affordable, utility companies don't like it. There are installations going up everywhere in the state and those panels don't get fastened into place and turned on by themselves.

You're "No" vote is absolutely critical.

Regards,
Francis Robertson
(Tucson)

Teresa Tenbrink

From: Joan Sandin <joansandin@cox.net>
Sent: Sunday, November 10, 2013 5:00 PM
To: BitterSmith-Web
Subject: No Tax on Solar Energy

I am a private homeowner about to install rooftop solar.
Please do not even consider a tax on solar energy.

Thank you,
Joan Sandin
Tucson

Teresa Tenbrink

From: Chet <chesterhoman@yahoo.com>
Sent: Sunday, November 10, 2013 4:14 PM
To: BitterSmith-Web
Subject: protect solar

Please protect us from APS's attempt to destroy solar energy in Az Wednesday. docket number E-01345A-12-0290

Thank you,

Chet Homan

Teresa Tenbrink

From: Sergey Galtsev <sam@galets.net>
Sent: Sunday, November 10, 2013 2:29 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: re: APS proposal hearing on Nov 13

I am writing you to express that you must reject any and all proposals by APS or any other entity which taxes arizona residents for using alternative energy, and especially solar power. It is disgusting to hear double talk, when you keep hearing about global warming, and need to "reduce carbon footprint", and at the same time corporations prevent citizens from doing just that. It is a great burden and investment for the homeowners to install their own PV systems. We do not enjoy benefits of taxpayers sponsoring our installations like APS does. We will not tolerate corporations making it even harder than it already is.

While you are on the subject of APS, I request following items to be brought up on the meeting:

1. We live in times when technology makes energy production cheap and efficient, yet prices go up. APS must explain why; develop and implement plans to reverse the trend of making power more expensive every year. APS must start reducing electricity cost by 5% every year starting with 2014.
2. APS being public monopoly must cease spending money on lobbying outside public interest. It should be a jailable offense for them to spend money on anything but providing electricity period. APS spending on anti-solar lobbying must be investigated and prosecuted criminally.

Best regards,
Sergey Galtsev
850 E DEL RIO ST
Chandler AZ

Teresa Tenbrink

From: Kristina Jauch <thejauchs@hotmail.com>
Sent: Sunday, November 10, 2013 9:07 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Solar battle with Aps

Dear Corporate Commissioners,

I am just so upset that APS can spend thousands of dollars trying to get out of there contracts with Solar homeowners. This seems to be the new standard for corporations who have a monopoly. They make deals so they don't have to upgrade their facilities in order to lesson their carbon foot print and then they just spend thousands to slander us all to get out of there contracts. We didn't ask them for this deal, they came to us to help themselves. I am a small business owner and I am not allowed to just get out of my contracts so why do they get to do it. When is someone going to stand up for the people of Arizona and not just the corporations. I have no money to fight APS. I am actually afraid for my family since they are trying to get my neighbors to think that I am getting them to pay for my solar. My solar will not actually make me any money for another 5 to 7 years. And that is only if nothing breaks or you the corporate commission doesn't give them what they want. We have no other Energy company to switch too. I understand that this is probably going to fall on deaf ears since they have the money and the power to get what they want. When I lived in Anthem the water company American water got what they wanted and we got nothing really. They made deals with Del Webb and never told us home buyers about it when we bought the house that we would have to pay for the water system years later so they could sell there company and not have that deal on their books. Senator Kyle's company is making the commercials for aps so they can claim they have no involvement. If they saved all the money they are spending on paying pacs to make commercials and air them, they would not have to try to get out of our contracts. It would be great if you could help those of us who can't fight such a giant fairly. I look forward to hearing from you.

Thanks,
Krisitina and Joseph Jauch
www.SerenityPetSitting.com

Teresa Tenbrink

From: magus120 <cigaminc@gmail.com>
Sent: Sunday, November 10, 2013 9:06 AM
To: BitterSmith-Web
Subject: Thanks for these moments

Dear Mr. Susan,

Please vote to *raise* the rates A.P.S.has to pay their solar power customers. Your action will make solar power the way of the future. Your vote to raise the rates A.P.S.has to pay will help provide clean air for future generations. Your vote to **raise** the rates A.P.S.has to pay their solar power customers will supply jobs for thousands. Your vote to [REDACTED] the rates A.P.S.has to pay their solar power customers will keep A.P.S. from constructing dangerous atomic power plants to generate electricity. Your vote to [REDACTED] the rates A.P.S.has to pay their solar power customers will protect our children, our children's children from a greedy corporation who throws Four Million Dollars away on commercials to line their pockets with cash they feel they can waist. Your vote to raise the rates A.P.S.has to pay their solar power customers will assure a healthy future for America. Please do not destroy the solar industry.

William Young

Teresa Tenbrink

From: Bill Scott <wilbilsct@cox.net>
Sent: Saturday, November 09, 2013 2:58 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Rooftop-Solar Energy Rates

AZ Corporation Commissioners,

The rebate to rooftop-solar energy customers should be the sliding amount of what it would cost APS to generate at that time of day and month. An average cost is not fair to the homeowner. Should APS get a fee for access to the grid! Yes! But, be fair in your decision to all, not just to APS's average formula, for an equitable rate.

William T. Scott
7323 E. sunset Sky Circle
Scottsdale, AZ 85266

Teresa Tenbrink

From: thomas morrissey <tpmorrissey38@gmail.com>
Sent: Saturday, November 09, 2013 2:33 PM
Subject: Common Sense For The Good of the Order

There is a battle raging in Arizona and across our country and the outcome of that battle will impact the future of our ability as a people to have the right to take the initiative into our own hands to solve problems that have, so far, remained unsolved by governmental bureaucracies and other monopolies. A problem so big, that it could take our country down. A problem that is draining our national strength. A problem which has been draining our national coffers. A problem which has evolved into a threat to our national security. This problem is the ever growing and dire need for energy, its importation, and the toll it is taking on this country.

As has happened throughout our history, a solution to this problem, the same as with problems before, has emerged. And if it is allowed to grow unrestrained by bureaucratic limitations, it can, and most probably will emerge as a long step on the highway of great solutions. I am talking about solar energy and the vast possibilities it offers, especially here in Arizona.

The initiation of solar energy requires change, and like every other positive change it must have the fertile ground it needs to grow. It cannot succeed if that ground is stained by misinformation and corporate insecurity. Ask yourselves a question about solar energy. Why do some large utility companies think that they, and only they, have the right to control solar power? Why do they say on one hand, it's a good thing in their hands but a bad thing in the hands of the consumer? Do they have a corner on it? Should they be allowed to limit it through their corporate processes?

It was American ingenuity in the hands of individuals, common people that brought us, electricity, the airplane, the punched card, the automatic transmission, the air conditioner and the banana split. Just to mention a few. We now have the possibility of realizing the same kind of benefits from allowing solar technology to progress in the hands of "the little guy". Free of the constraints and boundaries which are built into bureaucratic organizations and mindsets.

However, it was encouraging to learn of some of the pronouncements by APS and SR P, telling us that they will NOW help in the effort to bring solar energy to our homes through programs that they have developed. That is a one hundred and eighty degree turnabout and was not "on the table" until now, that the possibility of competition has raised its head. This proves, without a doubt, what a tremendous leveler competition is, and always has been, in our great country.

I look at life through the eyes of a conservative and, as such, I find myself asking why does APS spend an obscene amount of money to crush competition? Why don't they instead, show that they reject crony capitalism by extending a helping hand to the "little guy"? This energy problem belongs to every American and we all have a right to try to solve it.

Let's keep this ball rolling, by allowing this technology to breathe and grow without the limitations that would be imposed on it by corporate control. Let's see what the "little guy" can do, if once again, given the chance to solve a problem through ingenuity.

Tom Morrissey,
Immediate Past Chair AZ GOP

Teresa Tenbrink

From: Tim C Guishard <guishard@sbcglobal.net>
Sent: Saturday, November 09, 2013 1:55 PM
To: Senator Russell Pearce
Cc: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Re: Urgent: Action Needed by All Conservative Americans

Senator Pearce,

I have not read the documents you describe, so I will have to trust your description of the documents. I do believe home based solar plays a huge part in our countries future. I do not support the idea that Government, or anyone else ,should play any hand in implementing or paying for the installation of home/commercial rooftop type solar systems in any way.

I am in the water well industry, and see people spend thousands of dollars to install wells so that they can maintain lawns where lawns should not be grown. The abuse of groundwater use, is causing declining water levels not only near me but Worldwide. I personally rely on a well for my own water source as nothing else is available, and no one pays me to produce one ounce of water I produce. I have to pay for my own; maintenance. power, and water treatment. Then certain Government agencies think they need me to pay them for the privilege of producing my own water and maintaining my own well.

Paying people above the market value for excess power they produce is not good policy, and will eventually raise power rates for others. Even requiring that power companies reimburse these people at market rate is bad policy. These solar systems are 100% reliant on the power grid supplied by the power companies to even work. The homes/businesses that install these systems cannot function without power generated by the power companies at night, and during low solar days. The power companies need a certain amount of power consumption to help pay for their infrastructure. Since they are not selling as much electricity, they have to increase rates on everyone else to cover their maintenance costs. Personally people that install solar systems, should pay a higher base rate just to have the power lines connected to their homes, to offset the costs the power companies have to maintain the electric grid.

As to power companies; These should not be investor or even government owned, at best they should be not-for-profit and stand solely on their own. There are "profit margins" maintained by the power companies to pay investors huge sums each year. If the power companies were not investor owned, these improperly used "profits" could be properly used for sorely needed infrastructure improvements, or returned to the ratepayer in the form of lower electric rates.

Respectfully,

Tim Guishard
Tim Guishard Enterprises
www.timswatersolutions.com

This message contains confidential information. If the message was not directly sent to you, or your received the message in error, please notify sender and delete the message from your computer.

Teresa Tenbrink

From: brd <brd@azdesertcowboy.com>
Sent: Saturday, November 09, 2013 10:05 AM
To: BitterSmith-Web
Subject: Fw: Solar panel metering

Please don't force Arizonians to pay for their neighbors power costs. It is not fair!!!

Sent from my Sprint phone.

Teresa Tenbrink

From: Bitner <bitner@aznex.net>
Sent: Saturday, November 09, 2013 8:57 AM
To: BitterSmith-Web
Subject: 11-09-2013 Letter on solar panals
Attachments: 11-09-2013 Letter on solar panals.docx

Teresa Tenbrink

From: suzer22@earthlink.net
Sent: Saturday, November 09, 2013 8:09 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: E-01345A-12-0290 solar energy tax

Please do not give in to the pressure of APS. Solar energy for individual homes is an important advancement in technology and the environment. Arizona should be leading the world in solar energy so it must remain affordable with incentives to homeowners!

Susan St. John
Tempe resident

Teresa Tenbrink

From: Mike Bornhoeft <mbornhoeftaz@aol.com>
Sent: Friday, November 08, 2013 7:01 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Please vote against any APS solar Tax or increases

Solar benefits everyone, by reducing the need to build infrastructure and the purchase of fuel that we all pay for. IT reduces the carbon footprint and benefits the environment.

Why was APS so gung-ho in the beginning to push solar benefits but now have cut rebates. Was it a bait and switch tactic? The President wants Solar, the public wants Solar but not everyone can afford it. Taxing solar sets a president for future tax increases on solar is that fair? I think not. I personally have financed solar on my home to the tune of over \$20,000. My return on investment is over 10 years. Adding a tax would push my return out past my expected life time. **Who benefits for the power I send to APS?** We all do, I already do my share to pay for infrastructure and reduced fuel costs with my investment in solar and commitment to the green industry. **In essence, if a Solar tax is approved APS would benefit from me sending them surplus power during peak hours and then paying them a tax bonus. Double indemnity.**

I urge you to please vote NO to increases requested by APS on Solar.

Thank You,

Michael Bornhoeft
A Phoenician and APS service resident for over 30 years.

It's a crime to support APS on this issue. The entire Country is watching your actions.

Teresa Tenbrink

From: Kendall Stephenson <kendalls2320@gmail.com>
Sent: Friday, November 08, 2013 12:58 PM
To: BitterSmith-Web
Subject: Solar power

In regards to solar power, it is only fair to have the extra solar power produced by any solar energy producer bought by the power companies at a wholesale price, not marked up in any way.

I understand that Obama, the Sierra Club and Berry Goldwater jr. are pushing for having power companies buy power produced by solar energy at a premium price. That would not be fair.

A good rule of thumb is, if Obama won't do it, it has to be bad.

Teresa Tenbrink

From: Joan Reynertson <kurtjoni@yahoo.com>
Sent: Friday, November 08, 2013 11:06 AM
To: BitterSmith-Web
Subject: I live in Goodyear Az and I fully support solar power

Teresa Tenbrink

From: Connie Jahrmarkt <thebandeuropa@cox.net>
Sent: Friday, November 08, 2013 10:02 AM
To: BitterSmith-Web
Subject: docket # E-01345A-12-0290.

Dear Commission Member BitterSmith,

In reference to docket number **E-01345A-12-0290**.

Thank-you for investigating the source for the money for the ads that support higher costs to solar customers. I'm a strong supporter of the idea the citizens of a city, state or county should be making their own decisions, unencumbered by influences from other cities, states or counties.

Solar power is one of Arizona's greatest strengths. If more of us were installing solar panels, we could reap the benefits and sell the excess power to other states.

I hope we move more toward using the sun's energy to supply our energy needs. Investment in a clean future is good for us and our children, and our children's children.

Thank-you for your continuing work.

Connie Jahrmarkt
480 510 9541
thebandeuropa@cox.net

"When I am singing lyrics that don't ring true for my own personal beliefs, I take joy in knowing they may for the person standing next to me."

Solar Fact: A 10,000-square-mile area of solar panels would provide all of our country's electricity needs, which is less than 10 percent of the land used by the oil and gas industry.

Teresa Tenbrink

From: Scott McCay <SMcCay@themarlincompany.com>
Sent: Friday, November 08, 2013 8:30 AM
To: BitterSmith-Web
Cc: SolarCity CEO Lyndon Rive; Blake Maddox; Jesse Bertelsen
Subject: I'm Pro Solar. How can you see any value in supporting the electric monopoly?

I am referencing docket number **E-01345A-12-0290**. I will be at your office on 11.13 @ 9am. I have been passionate about solar development in Arizona for 30 years. Arizonans are extremely skeptical and doubtful that the CC isn't "in bed" with APS behind the scenes and the rhetoric. Prove us wrong...take the common sense approach, support solar growth.

Thank you for making the right choice... so that I can make the right choice in the voting box.

Scott McCay
O.602.680.7323 C. 602-531-0151
smccay@cox.net
<http://www.linkedin.com/in/scottmccay>

Teresa Tenbrink

From: John Q Public <azfrogger@centurylink.net>
To: BitterSmith-Web
Sent: Thursday, November 07, 2013 11:40 PM
Subject: Read: Information on Solar

Your message was read on Thursday, November 07, 2013 11:40:23 PM (GMT-07:00) Arizona.

Teresa Tenbrink

From: RKC663@aol.com
Sent: Thursday, November 07, 2013 9:40 PM
To: BitterSmith-Web
Subject: Docket Number: E-01345A-12-0290

To Whom It May Concern;

Solar power should not be taxed as APS would like to do.

This would discourage the sale of solar power rooftops. These solar power rooftops are helping the environment by saving our planet from CO2 gases that the power companies are putting into our atmosphere with the use of fossil fuels.

The highest demand for electrical energy is during the daytime when businesses and manufacturing is being done. The solar power rooftops are helping to produce electricity during these peak hours.

I am not an APS customer. I have SRP. My peak time hours are from 2 to 5 P.M. Obviously there is a lot of strain during these hours if they are willing to charge \$.08 per KW during my off-peak and \$.35 during peak hours.

2 to 5 PM are sunlight hours. If there were more rooftop power during these hours I am sure SRP would not be charging what they charge or offer this plan.

APS is only out to monopolize the power industry. As these rooftop solar power plant are being installed they are losing money and want to do everything in their power to keep solar from being sold to the consumer.

SRP is government owned. The government doesn't have the money to build more power plants and support solar rooftop production to help prevent the construction of more power plants.

As an SRP customer, I am hoping there will eventually be enough rooftop solar to where they can reduce my peak energy charge so I can come home from work and not have to suffer for an hour before my house finally cools down in the summer.

Kind Regards,
Rick Crissman

Teresa Tenbrink

From: Gene Taylor <catept@hotmail.com>
Sent: Thursday, November 07, 2013 8:31 PM
To: BitterSmith-Web
Subject: Solar Energy

Commissioner Bitter Smith,

Please do not vote to make us subsidize rooftop solar energy utility customers.

Eugene and Carol Taylor
Sun City West bittersmith-web@azcc.gov

Teresa Tenbrink

From: Bill <bass@solarhighway.org>
Sent: Thursday, November 07, 2013 7:03 PM
To: BitterSmith-Web
Subject: power grid raise in premiums

The Corporation Commission
Regarding a fee increase on the power grid.

Please read this before the vote.

Every homeowners has paid for the power grid that we use. IT does matter if we have solar panels or not.

Moreover the people that have solar use the power less and most of the power in the grid is used by the homes that do not have solar panels.

I don't know who made your commercial about the power grid but they and the commercial are liars if not an out right lie, This commercial is deceptive at best. Vote no on the power grid raise in premiums.

William J Warman Sr.

Teresa Tenbrink

From: Jason Holland <janaho7@yahoo.com>
Sent: Thursday, November 07, 2013 2:28 PM
To: BitterSmith-Web
Subject: Support Solar Power in AZ

Please do the right thing, referencing docket number E-01345A-12-0290. We should be doing everything in our power as human's to cut down our carbon foot prints and use of fossil fuels. Its our responsibility to think of the future. There is no reason AZ should not be leading the way in the Solar Industry.

Thanks
Jason

Teresa Tenbrink

From: rjoseph517@gmail.com on behalf of Ramon Joseph <rrj22@cornell.edu>
Sent: Wednesday, November 06, 2013 9:01 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: APS Solar Surcharge

Dear Sirs and Madame,

I wish to express my extreme objection to APS's proposal to change the conditions under which I installed solar panels on my home in Sun City West. I purchased the panels with a significant part of my savings knowing that 1.) the panels would add significantly to my home's future value; and 2.) that I contracted to an agreement for 20 years that had no provisions for changing the use and value of the clean power my panels generate.

I can support the plan proposed by your staff and apparently now agreed to by APS to grandfather those who purchased solar panels in good faith. I urge your commission to follow the advice of your staff. Do not be pressured by APS's lobbyists to

- 1.) charge a surtax on those who bought solar panels as an investment and as a contribution to a greener planet; 2.) prevent homeowners from selling
 - a.) the value of the panels, inverter, etc.; and/or
 - b.) the rights to use the panels as originally contracted.

Thank you for your hard work in representing the citizens of Arizona in this matter.

Sincerely,

Ramon R. Joseph MD
13755 W Via Montoya
Sun City West, AZ 85375
rrj22@cornell.edu

Teresa Tenbrink

From: Chiu-Chu Ting <chiu.ding@gmail.com>
Sent: Wednesday, November 13, 2013 10:41 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Docket # E-01345A-13-0248 OPPOSE

Hi commissioners,

I am a school teacher in the Deer Valley School district. I support the existing net metering policy. Currently I am a townhouse owner and while I do not have solar installed on my roof, I do support renewable energy even though I know I have to pay a small amount of money on the monthly utility bill.

I saw the news online saying APS is going to tax solar in the near future. Please do not allow them to do that. Residents who have solar installed should have the right to get paid in full for the extra energy they produce. They have already paid for decades for all the transmission lines built by APS.

We need to protect Mother Earth in order to live in a cleaner environment. Renewable energy should be encouraged, not killed by big corporations. Hopefully the percentage of the residents who are using renewable energy will be increased like in Vermont, which announced that they are going to increase to 90% renewable energy by 2050. I think that is the right direction. Arizona should set up a good model. If the corporation commission allows APS to tax solar then we are setting precedent for other states to replicate the bad decision.

Please reject all proposals related to changing net metering. Thank you.

Sincerely,

Chiu-Chu Ting
Art teacher
Sierra Verde
A+ S.T.E.M Academy

Teresa Tenbrink

From: Dave Long <dave.long.us@gmail.com>
Sent: Wednesday, November 13, 2013 10:19 PM
To: BitterSmith-Web
Subject: Promote, not demote, residential solar incentives

With all due respect, Arizona of all places should be a "shining" example to the rest of the nation about promoting solar as a clean and renewable energy source. Please do NOT do away with net metering nor adopt other rules that will diminish the incentives for solar panel users now or in the future.

Dave Long

Teresa Tenbrink

From: jimmyg9147@aol.com
Sent: Thursday, November 14, 2013 12:46 PM
To: Pierce-Web; Burns-Web; Stump-Web; RBurns-Web; BitterSmith-Web
Subject: APS/Solar Ruling

Hello,

I have been watching everything that has been going on with the APS/Solar net metering proposal, and I pray with all my heart that you prove to be honest politicians that can't be bought by a huge corporation like APS. You know what they are proposing has no merit and needs to be looked into further to seek a fair solution. Coming to a rash decision and starting to charge fees is only killing jobs and giving APS a monopoly of this industry.

When the public, and your own staff, is telling you to look into it more before believing everything APS is stating, I think that should speak volumes. So the time has come to show who you are. Are you clean or dirty politicians?

I pray you do what is right to show you can't be bought.

Sincerely,
Jim Gackle

Teresa Tenbrink

From: Kathleen Daley <tkdaley@cox.net>
Sent: Thursday, November 14, 2013 1:42 PM
To: BitterSmith-Web
Subject: Please don't let APS get rid of net metering and tax roof top solar.

"Sing like no one is listening, Love like you've never been hurt, Dance like nobody's watching, and Live like it's Heaven on Earth - Mark Twain

Teresa Tenbrink

From: Warner Orr <warnermo@yahoo.com>
Sent: Thursday, November 14, 2013 11:20 AM
To: BitterSmith-Web
Subject: I oppose the rate increase supported by APS for Net Metering

Ms Bitter-Smith,

I don't have solar. I am an APS customer.

But I do opposed the fees that APS wants your Commission to impose for Net Metering.

Regards,

Warner Orr
602-622-2160

Teresa Tenbrink

From: Rich King <rnk750@yahoo.com>
Sent: Thursday, November 14, 2013 9:52 AM
To: BitterSmith-Web
Subject: Protect Our Solar

Dear Corporation Commissioner:

I am again writing you to protect net-metering. I am a Arizona voter, utility customer, and own a solar powered home.

I am ashamed at the tactics APS and their proxy entities have put forth to degrade one of the most positive developments in AZ history.

I know money speaks and it's no secret that Corporate Commissioners and other elected officials get campaign contributions from Big Oil, Coal and the rest of the status-quo energy groups, but 50 years from now the people of Arizona won't care about money alone, they will care if the citizens of 2013 created sustainable, clean energy for the future.

Your decision now, or a deferred decision until the 2015 APS rate increase discussion reflect your real view of the future for the current citizens and their children.

think is is important to cut through the incredible claims by the anti-solar ads running today.

Please consider some facts:

1 - My solar system actually produces 105% of the total energy we use, in other words, we produce annually more kwh than we consume, BUT we still have a utility bill due to the rate structure setup that does not favor citizen generated power. We still pay the Utility connect fee, taxes, etc. that everyone else pays and we pay for the power we use beyond what we generate at the same rate as others. We DO NOT get a check from the utility every month!!!

2 - I would think you and the utilities would want to THANK us for stepping up and taking the initiative to create clean power. I think APS should recognize that our "generating station" does not require on-going fuel costs, or maintenance costs, or a SWAT team to protect it, or a emergency evacuation plan like their plants need. Let's talk TOTAL COST OF OWNERSHIP!

3 - I think it is important to point out that on those hot summer afternoons (when energy is the most expensive) we are often generating more than we need and send back clean energy for our neighbors. This has to help APS with their most expensive load time. When I need energy in those times I pay full peak-rate freight of 21 cents / kwh, but when I do get to sell back my limited credit in May, I only get 4 cents / kwh - hardly the "Thousands of dollars" claimed by those silly ads. In fact, I think APS should credit us the equivalent cost of when we generated it!

- After all these years of being behind Germany and other forward thinking countries regarding solar, we now have thriving solar businesses in AZ. Why would we want to kill this industry and all those jobs? Don't forget,

these are jobs where the worker gets to go home at night, doesn't need a nuclear energy degree, or create a boom town situation like a big power plant.

5 - Finally, solar gives me something APS, SRP and others do not seem to understand - AWARENESS. When you create and monitor your own power, you are aware of the energy it takes and you become more innovative in ways to curb unnecessary consumption. For example, we purchased a High-SEER HVAC unit. You are aware of how much CO2 you use (or don't use), aware that Arizona is one of the sunniest places on earth, and that the sun will fall on your roof anyway, but with solar you are doing something important.

Please make the right decision and protect those of us who care enough to do the right thing for everyone.

Sincerely,

Rich & Jen King

Teresa Tenbrink

From: Robert LOGRECO <rlogro@comcast.net>
Sent: Thursday, November 14, 2013 9:37 AM
To: BitterSmith-Web
Subject: Net metering of Solar Power - Hearings

Mrs. Bitter Smith, Arizona Corporation Commission.

Please do not allow A.P.S. and their self-serving tactics to destroy the future of solar power here in Arizona, and possibly for our nation. Make no mistake, this is a landmark situation where monopolistic tactics are trying to destroy individual freedoms. In addition, deciding in favor of A.P.S. will severely hamper the progress and affordability of solar power generation for the individual homeowner.

As your constituent, I ask you to decline A.P.S.'s request to change the net metering reimbursement system we currently have for residential solar generation. I also ask that you do whatever you can in the way of incentives to encourage the continued development of solar power generation here in Arizona so that it becomes even more affordable to the individual homeowner and will be a model of Solar Power for the world.

Sincerely,
Robert LoGreco
Tucson, Arizona

Teresa Tenbrink

From: Bret Wadford <Bjwadford77@gmail.com>
Sent: Thursday, November 14, 2013 8:47 AM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Bret Wadford

7425 West Wexford drive
Kirkland, AZ 86332

Teresa Tenbrink

From: jamiakern@gmail.com on behalf of Jamie Michael Kern <jmkern1@asu.edu>
Sent: Thursday, November 14, 2013 12:38 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Scottsdale Public Schools - Opposition to docket # E-01345A-13-0248

Please review and docket the testimony below from Dr. David J. Peterson, Superintendent of Scottsdale Unified Public Schools, in opposition to all proposals in docket # E-01345A-13-0248

----- Forwarded message -----

From: David J. Peterson <djpg Peterson@susd.org>
Date: Thu, May 30, 2013 at 2:05 PM
Subject: RE: RUCO speech yesterday

Here are my remarks –

Public Schools Could Be Casualty If APS Has Its Way

By Dr. David J. Peterson Superintendent Scottsdale Unified School District

As Arizona Public Service (APS) moves to damage the independent rooftop solar market in Arizona ("Brandt: Make solar-power subsidies beneficial for all customers," 4/12/13), the debate is not academic for Arizona schools. There's a lot at stake for schools if the utility has its way with the Arizona Corporation Commission.

The Arizona state senate and house of representatives have both put forth bills asking that school districts be required to "go green" with renewable energy initiatives. Our District has negotiated favorable contracts with solar providers allowing us to save on energy costs and focus money on the classroom. Since 2009, 15 (12 served by APS and three served by SRP) of our 32 campuses have gone solar, creating savings of more than \$400,000 per year to the District, and we are able to fund the systems with no out of pocket costs to the District. APS doesn't like us generating our own energy; it wants to take all that away and add millions to our future utility bills so it can profit from our students.

Without these energy savings I don't know where we would be. To argue, as APS does, that it should not have to credit back the power we generate from our solar at the same rate we are required to buy from it, would be a good result for its shareholders, but a true disservice to Arizona school children.

Look at what we had to do just recently to manage our ongoing budget challenges:

*We will be increasing class sizes rather than eliminate art, music and physical education opportunities to close a budget gap.

*Our initial reduction in force includes 100 teachers, as our District works to trim about \$9 million from its 2013-14 budget.

*Special education efficiencies have been realized.

*Bus routes and stops have been eliminated.

*A potential increase in fees for athletes may be imposed and teams may have to pay for transportation to games with tax-credit or alternative sources.

APS calls our ability to save money and export our power back to the grid a "subsidy." We reject this logic, as do 43 other states, and so should the Arizona Corporation Commission. APS enjoys its federal government-backed insurance for the Palo Verde Nuclear Plant, its government-granted monopoly, and its myriad tax breaks at many levels of government. Those truly are subsidies.

Public schools have been forced to innovate as more competition has been introduced, and it needs to be the same for utility monopolies. They should no more be allowed to eclipse the benefits of Arizona's thriving independent rooftop solar market, the thousands of jobs it has created and the savings realized than it would be appropriate for me to petition for the end of charter schools in the Valley.

David J Peterson

David J Peterson Ed.D. J.D.

Superintendent Scottsdale Unified Schools

480-484-6120

Teresa Tenbrink

From: Jamie Michael Kern <jamiakern@gmail.com>
Sent: Thursday, November 14, 2013 12:09 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Laurie Woodall
Subject: Docket # E-01345A-13-0248 - 5 STRONG REASONS to oppose all proposals

Dear commissioners,

In this email, I present 5 strong reasons to oppose any current proposal regarding the APS request to alter net metering in Arizona (Docket # E-01345A-13-0248).

1) APS' OWN FILING SHOWS SOLAR CUSTOMERS SUBSIDIZE THE GRID

Attachment CAM_3 (pp 7-12) of the original July APS net-metering filing, E-01345A-13-0248, includes 6 APS-cherry-picked sample bills from residential customers before and after installing solar. In all of these "illustrative examples", the solar arrays generate more on-peak electricity than the house consumes - both in winter and summer. That means the house is sending net on-peak electricity to the grid. And in all of these "illustrative examples", the house is generating less off-peak electricity than it consumes. That means the house is receiving net off-peak electricity. All 6 of these example solar customers are trading, one-for-one, their own valuable on-peak hours for APS' less-valuable off-peak hours. Thus, **in all examples submitted by APS in this filing - and in complete contrast to APS claims - the solar customer is in fact subsidizing the utility.**

I urge you all to review the 6 submitted cases in Attachment CAM_3 and see for yourselves.

2) THE SOLE STUDY SUPPORTING APS CASE IS SEVERELY FLAWED

APS' entire net-metering filing is based upon a single 2012 study by Navigant Consulting. But all 5 of the study's conclusions are flawed, unwarranted, or contrary to other recent Navigant studies.

The 1st - that DE customers appear to be cross-subsidized by non-DE customers, is false because the December 2012 study didn't include the already approved Lost Fixed-Cost Recovery (LFCR) adjustor, which took effect March 2013. The LFCR, paid by all customers, specifically provides for the fixed costs which this case claims are unpaid.

The 2nd conclusion- that DE customers avoid several actual costs incurred in use of APS' service - also fails to attribute fixed cost payments to the LFCR. It further states that renewable energy customers aren't paying for environmental remediation, storage of spent nuclear fuel, and decommissioning programs. As absurd a claim as decreasing shade by planting trees.

The 3rd conclusion - that the cross-subsidy is especially pronounced for residential customers, whose per-kWh charges average 90% of their annual bills - humorously counters the study's own claim that 22% of the annual bills are "avoided costs" by which APS claims a the heavy cost shift.

The 4th conclusion - that "net-metering exacerbates the cross-subsidy", is not in fact another conclusion, but a rehashing of the first conclusion, only with the added word "exacerbate". Akin to saying if you help me move it will take even less time when you help me move.

The 5th Navigant conclusion - that there is no limit on the total solar capacity participating in net-metering - is untrue according to Navigant's own prior study for the National Renewable Energy Lab, which states that there is a maximum 27% availability of roof area for residential solar in arid climates. This is due to unfavorable roof orientations, shade from other buildings and trees, and structures incapable of supporting the weight, among other barriers. The fear of a utility "death spiral" in which every customer goes solar is severely overhyped. Policy should be guided by sound analysis, not by fear.

I urge you to critically assess the faulty conclusions of the only study that supports a residential cost-shift in APS territory.

3) CUSTOMER SPENDING and RESIDENTIAL PEAK DEMAND

If I go to Home Depot, buy a 30-foot canvas shade and stretch it out up above my home, I reduce my daytime energy consumption, but my 7pm peak (when I run my A/C and stove together) remains the same. For this \$50 investment, I am able to purchase less electricity, thus have a reduced expense for consumption, but no fee for my peak usage.

Now, if I put down another \$10,000 so the shade can generate electricity in excess of my daytime energy consumption, I return that electricity to the grid during daytime hours, but my 7pm peak remains the same. For this significantly greater investment on the same house, I likewise am able to purchase less electricity, thus have a reduced expense for consumption, but may now suddenly be charged fee for my peak usage.

All residential customers have energy peaks, regardless of what they chose to buy or not to buy. How can you rightly charge some for their demand and not others. And if I only run A/C from 9am to 4pm, should I still get charged because I have a peak, or get credited for avoiding the normal APS system peak? And why would putting solar on my roof affect that decision?

To clarify, peak demand - which determines the need for fixed-cost infrastructure investments - can never *increase* by through distributed generation or net metering. It is only ever possible to *decrease* peak demand with solar, and this is what actually happens, according to APS' own filing (see #1 above).

4) USE OF "AVERAGE" IS A STATISTICAL MISTAKE

"Average customer"? For a group of financial analysts, it sure sounds like the APS team has forgotten its high school statistics. Tell you what: I'll give 5 commissioners an average salary of \$90,000. By that, I mean 4 of you will earn \$35,000 while one receives \$310,000.

That's what good an average is. And that's the same way this non-rate case is attempting to analyze and pigeonhole every potential residential DG customer. First of all, where in this filing are the data, sample size, and true analysis? Can the rest of the state likewise submit graphs and numbers without any external audit to verify them? And secondly, if we're really going to look at averages, it shouldn't matter **WHAT** a customer's peak demand is, it only matters **WHEN**. The system peak is at 7pm, but if a solar customer peaks demand at 11pm, he is not adding to the need for more transmission lines, distribution lines, transformers, or generation stations.

5) PRINCIPLES OF PUBLIC UTILITY RATES - by Bonbright (1961)

This book has been and continues to be a tome of wisdom for sound rate-making worldwide. It lists 10 attributes of a sound rate structure, of which a few are particularly relevant to net-metering:

- Revenue-related attributes - (#3) Stability and predictability of the rates themselves, with a minimum of unexpected changes seriously adverse to ratepayers and with a sense of historical continuity (Compare "The best tax is an old tax").
- Cost-related attributes - (#5) Reflection of all the present and future private and social costs and benefits occasioned by a service's provision (i.e. all internalities and externalities); (#8) Dynamic efficiency in promoting innovation and responding economically to changing demand and supply patterns.
- Practical-related attributes - (#9) understandability, public acceptability, and feasibility of application; (#10) freedom from controversies as to proper interpretation.

Please, commissioners and commission staff, postpone discussions on net metering until the above 5 issues are incorporated. Thank you.

Sincerely,

Jamie Michael Kern
APS non-solar customer
Tempe, AZ 85281

CO speech yesterday

David J. Peterson <djpeterson@susd.org>
To: Jamie Michael Kern <jamie@solarishere.org>

Thu, May 30, 2013 at 2:05 PM

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David J. Peterson

David J Peterson Ed.D. J.D.
Superintendent Scottsdale Unified Schools

480-484-6120



ARIZONA CORPORATION COMMISSION

FIVE YEAR STRATEGIC PLAN

FY2013 – FY2018

MISSION STATEMENT

- Exercise exclusive state regulatory authority over public service corporations (public utilities) in the public interest;
- Grant corporate status and maintain public records;
- Ensure the integrity of the securities marketplace; and
- Foster the safe operation of railroads and gas pipelines in Arizona.

TABLE OF CONTENTS

Overview	3
Organization	3
Division Overview	3
Administration	3
Corporations	4
Hearings	4
Information Technology	4
Legal	5
Safety	5
Securities	5
Utilities	5
Division Mission Statement	6
Administration	6
Corporations	6
Hearings	6
Information Technology	6
Legal	6
Safety	6
Securities	6
Utilities	7
Goals	7
Administration	7
Corporations	7
Hearings	7
Information Technology	7
Legal	7
Safety	7
Securities	8
Utilities	8
Performance Measures	8
Administration	8
Corporations	8
Hearings	8
Information Technology	8
Legal	9
Safety	9
Securities	9
Utilities	9
Strategic Issues	9

Utilities

Mission: To conduct research and analysis and provide recommendations to the elected commissioners on all matters relating to the regulation of public service corporations (public utilities) under the state constitution and statutes to ensure their actions are consistent with the public interest

GOALS

Administration

1. To ensure all matters coming before the Commission are resolved in a timely manner, in accordance with administrative procedures.
2. To provide business services to all Divisions.

Corporations

1. To provide customers with timely processing of their business documents.
2. To provide customers the most expedient public information services possible.
3. To streamline and improve internal customer-related administrative/ operational functions.
4. To expand training opportunities for division staff members.
5. To continually improve customer service and customer satisfaction.

Hearings

1. To conduct fair and impartial hearings, and to propose timely, factually, and legally sound Orders for the Commissioners' consideration.
2. To provide timely and efficient docket services to regulated utilities and consumers.

Information Technology

1. To provide electronic interaction effectively with the public and other governmental entities. In addition, to implement effective protocols, software, and communication with the public to allow them to retrieve and submit data, forms, and all other documents.
2. To use information technologies effectively to enhance intra-agency Communications.
3. To improve employees' preparation to use technology and react to their job-specific needs.

Legal

1. To provide efficient, high-quality legal representation.
2. To provide high-quality representation in administrative matters before the Corporation Commission.
3. To provide high-quality representation in Judicial matters before various courts.
4. To provide high-quality legal advice to the Commission.

Safety

Railroad

1. To promote and ensure the safe operation of Arizona railroads.
2. To ensure rail/highway grade crossings safety.

Pipeline

1. To protect the public and the environment by providing the highest level of pipeline safety awareness.

Arizona Ratepayers' Primary Interests

A summary of findings from 5 different public surveys

Jamie Michael Kern

08 November 2013

In the recent APS Technical Conferences, the idea of “cross-subsidization” seems to have been assigned a default negative bias. Such a bias may be true in other markets but is not so in Arizona. According to multiple surveys of Arizonans, ratepayers overwhelmingly support the idea of cross-subsidization – in the form of increased rates – in order to develop renewable energy sources. Their explicit interests are summarized below.

It must be noted that accommodating ratepayer interests is more than just adding a “societal benefit” in electricity valuations; it is and should be the primary driver of utilities. The Arizona Corporation Commission’s current Strategic Plan lists its primary mission as:

“exercise exclusive state regulatory authority over public service corporations (public utilities) in the public interest”.

As such, meeting public interests ought to be given a premium over other benefits, including over financially measurable cost savings. Being able to fulfill customers’ wants is the very definition of business success.

Contents

SURVEY 1: APS Informed Perceptions Project Report (May 2011)	2
SURVEY 2: Bipartisan Survey of Arizona Voters Regarding Increasing the Use of Renewable Resources (March 2011).....	4
SURVEY 3: The Colorado College State of the Rockies Project, Arizona poll (2012).....	4
SURVEY 4: The Colorado College State of the Rockies Project, Arizona poll (2013).....	4
SURVEY 5: SRP Customer Resource Preference Study (2011)	5
CONCLUSION.....	5

SURVEY 1: APS Informed Perceptions Project Report (May 2011)

- AZ ratepayers rank “Renewable electricity “ and other 5 other energy issues as more important issues than “Keeping rates low”:

increase in the use of wind power. By the end of the study (T4), the percent that advocated for increased use of solar and wind power were 94% and 78%, respectively. Further, “getting electricity from sources that will never be used up” was ranked as the most important issue from among the 10 energy issues tested. The second most important issue was related to renewable energy as well, “minimizing air pollution.”

Figure 1 summarizes the findings from the four surveys (T1-T4), measuring how important participants perceive each of the 10 energy issues listed. The graph is based on the percentage of participants who ranked the importance of each energy issue a 4 or a 5 on a 5-point scale, with 5 representing extremely important.

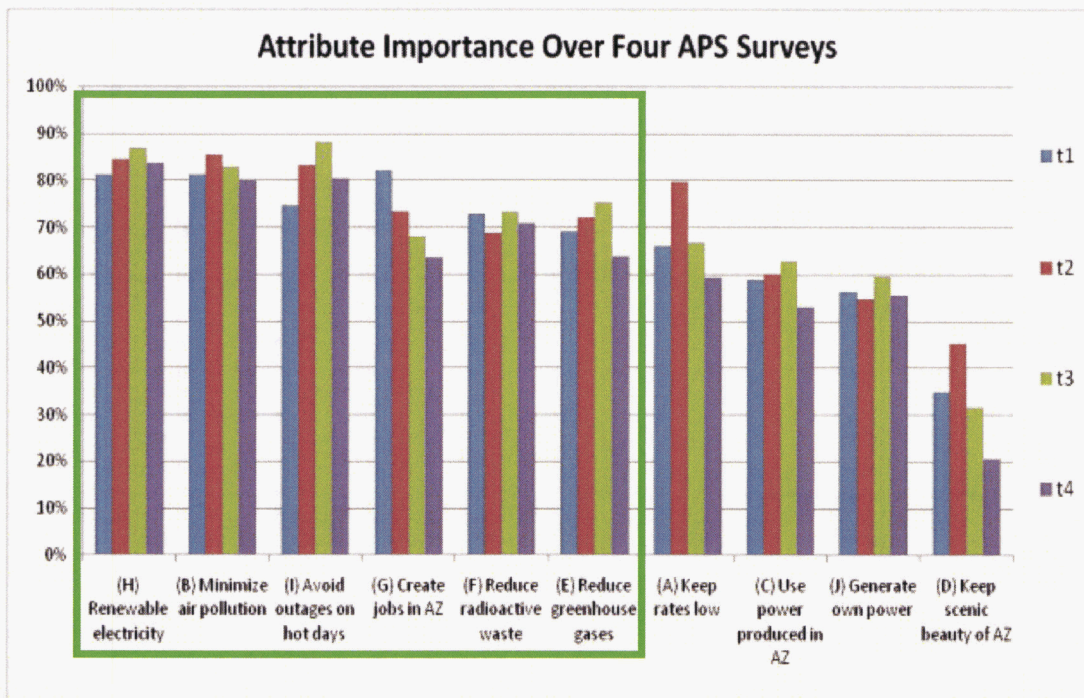


Figure 1.

- AZ ratepayers ranked renewable energy as extremely important (5 out of 5) more often than any other energy issue:

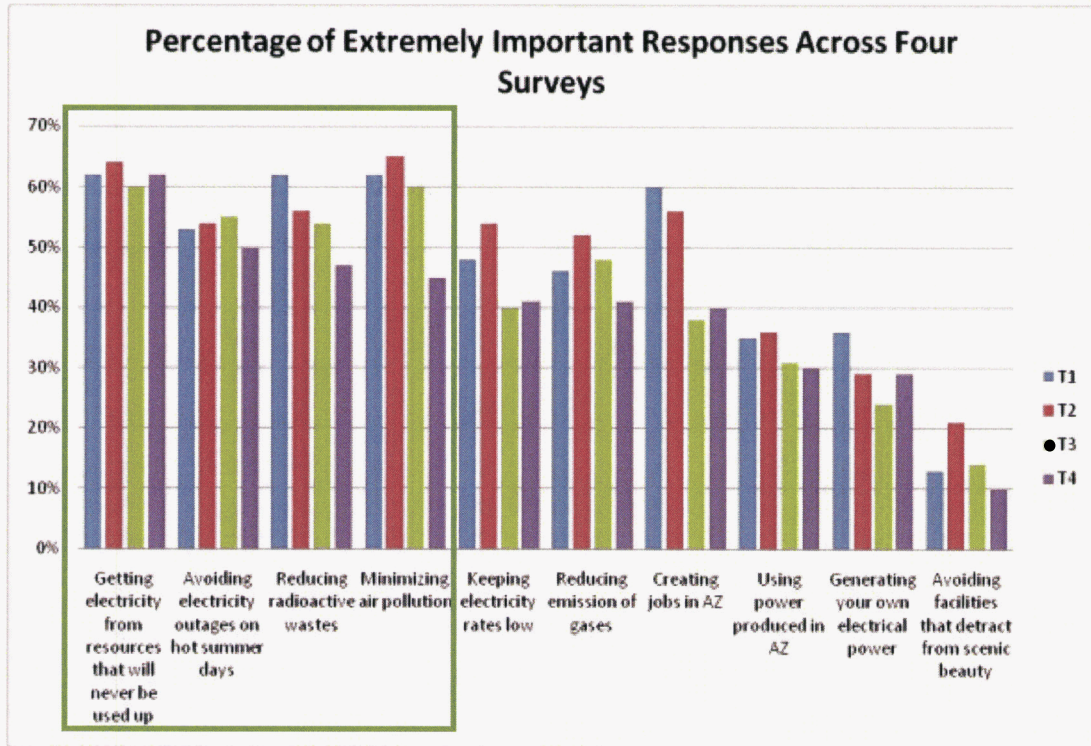


Figure 10.

- AZ ratepayers are willing to pay, on average, an *additional* \$6.31/mo to help “develop new renewable energy technologies”:

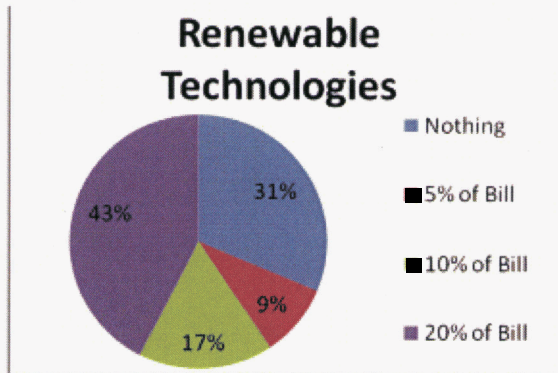
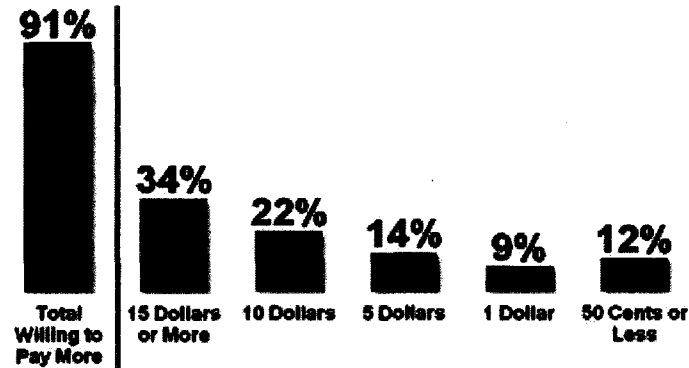


Figure 8.

- For the issue of “keeping the environment clean,” findings revealed that income had absolutely no impact on participants’ willingness to pay an additional fee on their electrical bill, while there was a negative impact based on the size of the participants’ monthly bill.

SURVEY 2: Bipartisan Survey of Arizona Voters Regarding Increasing the Use of Renewable Resources (March 2011)

- 91% of Arizonans are willing to pay more each month for renewable energy, and the majority “would be willing to pay at least \$10 more per month to increase the use of renewable energy sources like wind and solar power in generating electricity”.



- Preference for renewable energy crosses all significant demographics:
 - ✓ 74% of APS customers and 70% of SRP customers;
 - ✓ 74% of households who report someone having respiratory problems and 69% of those who do not;
 - ✓ 84% of Democrats, 77% of Independents, and 56% of Republicans;
 - ✓ 70% of white voters, 73% of Latino voters, and 84% of Native Americans;
 - ✓ 63% of men and 79% of women;
 - ✓ 76% of voters under age 45, 71% of those 45-64, and 63% of seniors;
 - ✓ 70% of urban voters, 73% of suburbanites, 72% of small town voters, and 69% of rural voters;
 - ✓ 73% of voters in Maricopa county, 63% in Pima county, 70% in Southern Arizona counties, and 75% in Northern Arizona counties. .

Notably, even those who assume that electricity prices would be higher if this transition to renewable energy took place still support it by a two-to-one margin (61% who predict electricity rates would increase still prefer to invest in renewable energy, while just 27% would invest in pollution-control equipment).

SURVEY 3: The Colorado College State of the Rockies Project, Arizona poll (2012)

- “State voters are more apt to say they would encourage the use of solar power (74%) and wind power (44%) than other sources of energy (responses are top two mentions combined).”

SURVEY 4: The Colorado College State of the Rockies Project, Arizona poll (2013)

- “There is overwhelming support for more solar power being using in Arizona. Sixty-two percent (62%) of voters say that it is the first source of energy they would encourage the state to use more of. No other power source was the first choice of more than 40% in any of the other Western states we surveyed.”

SURVEY 5: SRP Customer Resource Preference Study (2011)

- 80% of SRP ratepayers were “very likely” or “somewhat likely” to accept a 3% bill increase over 9 years to help develop renewable energy.
- This amounts to an acceptable annual 0.34% increase in rates, which is well above the current 0.2% for the Lost Fixed Cost Recovery mechanism. The LFCR exists to recover utility fixed costs, which are in question in this docket.

CONCLUSION

All these public surveys submitted to APS during the Stakeholder Workshops show an overwhelming public support for renewable energy, even at an increased cost to the consumer.

There has not been a single survey of Arizona residential electric customers that shows either a preference for low-cost electricity over all other energy issues, or a majority interest in curbing renewable energy development.

The entire E-01345A-13-0248 docket is predicated upon an unjust fee placed upon residential ratepayers in order to support renewable energy development. But it is clear by any vantage point that these ratepayers not only deem the charges acceptable, they actually prefer them to status quo. Whether we label it “fixed infrastructure investment” or otherwise, it does not affect public interest. And the ACC was established to regulate utilities in the public’s interest.

Teresa Tenbrink

From: Jamie Michael Kern <jamiekern@gmail.com>
Sent: Friday, November 08, 2013 4:49 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: Laurie Woodall; David J. Peterson
Subject: for consideration to docket E-01345A-13-0248 (APS net-metering)
Attachments: Scottsdale Unified Schools Superintendent - RUCO.pdf; AZ residential electric ratepayer primary interests.pdf

Categories: DOCKETED

Dear commissioners and staff,

Please find attached 2 PDFs:

- 1) A letter from Scottsdale Unified Schools Superintendent Dr. David J. Peterson, read at the May 29,2013 RUCO workshop, in opposition to APS proposals.
- 2) A summary of 5 surveys regarding Arizona residential ratepayers' primary interests, and their key role in the current net-metering discussion.

Please read, consider, and docket prior to Wednesday's open meeting.

Thank you,

Jamie Michael Kern
602-492-5376

Teresa Tenbrink

From: Jamie Kern <jamiekern@gmail.com>
Sent: Thursday, November 07, 2013 5:06 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Jamie Kern

604 E WEBER DR 17
Tempe, AZ 85281

Teresa Tenbrink

From: Jamie Kern <jamiekern@gmail.com>
Sent: Monday, August 05, 2013 9:29 PM
To: BitterSmith-Web
Subject: Reject APS's Net Metering Rollback Proposal (docket E-01345A-13-0248)

Dear

Dear Commissioner:

APS numbers are wrong. Do the math.

APS is going to great lengths to convince you, our elected Commissioners, that rooftop solar is a bad deal for Arizonans -- but this couldn't be further from the truth. APS is using a flawed report to make the case that Arizona should change its most successful solar policy - net metering. The two proposals that APS is suggesting would effectively eliminate a customer's ability to save money on their energy bills, thus removing the main reason Arizonans invest in rooftop solar energy.

This is a fight over whether we continue to overprotect big utilities who are loathe to allow competition into their industry, or allow customers to invest in cleaner, safer, and cheaper energy options.

Rooftop solar delivers to innumerable public benefits – jobs, energy bill savings, improved air quality, and the decreased use of precious water resources in our energy production. In fact, a recent study found that because of net metering, APS customers alone will receive \$34 million in grid benefits alone each year starting in 2015.

A vote to dismantle net metering for rooftop solar, as APS is proposing, is an anti-consumer, anti-competition vote. Please protect our energy rights over the monopoly interest of APS.

I urge you to be a solar power leader by rejecting APS' proposal today as an unacceptable start to the conversation about net metering and potential reform ideas. While that conversation should happen, these proposals are too extreme to be considered.

Thank you.

Jamie Kern

Tempe, AZ 85281

Teresa Tenbrink

From: Don Williams <doncwilliams777@yahoo.com>
Sent: Tuesday, November 12, 2013 2:19 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Don Williams

17813 N. Madison RD
Maricopa, Ar 85139

Teresa Tenbrink

From: Don Williams <doncwilliams777@yahoo.com>
Sent: Tuesday, November 12, 2013 2:19 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

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Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Don Williams

17813 N. Madison RD
Maricopa, Ar 85139

Teresa Tenbrink

From: Safiya Al-Akoum <saakoum@gmail.com>
Sent: Tuesday, November 12, 2013 2:18 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Safiya Al-Akoum

2022 N. Nevada St
Apt. 2013
Chandler, AZ 85225

Teresa Tenbrink

From: Dieter Bartels <dieter@nunusaku.com>
Sent: Tuesday, November 12, 2013 2:11 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Dieter Bartels

PO Box 915
Clarkdale, AZ 86324

Teresa Tenbrink

From: Ernest LaDouceur <eladouceur60@live.com>
Sent: Tuesday, November 12, 2013 1:55 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Ernest LaDouceur

5029 W. Belmont Ave
Glendale, AZ 85301

Teresa Tenbrink

From: Joe Halonen <jhalonen@aol.com>
Sent: Tuesday, November 12, 2013 1:52 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Joe Halonen

13807 N 38 Ave
Phoenix, AZ 85053

Teresa Tenbrink

From: Robert Barna <vbarna1@cox.net>
Sent: Tuesday, November 12, 2013 1:22 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

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Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Robert Barna

22414 N 36th Way
Phoenix, AZ 85050

Teresa Tenbrink

From: Katherine Merlino <kat_95free@yahoo.com>
Sent: Tuesday, November 12, 2013 1:17 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

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Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Katherine Merlino

6045 Pinon Vista Ct
Cornville, AZ 86325

Teresa Tenbrink

From: Ophelia McNeill <Om12354@yahoo.comQ>
Sent: Tuesday, November 12, 2013 1:16 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

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Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Ophelia McNeill

8009 S 32nd Terrace
Phoenix, AZ 85042

Teresa Tenbrink

From: Michelle Halonen <mihalonen@aol.com>
Sent: Tuesday, November 12, 2013 1:07 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

I'm writing to you today to ask you to please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Those of us who have invested significantly in solar panels did this with the idea that the electricity that our units generated would not only curtail our electricity usage, but also with the understanding that the excess units would be purchased at a fair price by APS. We are producing clean energy....how wrong would that be to penalize those of us who are trying to do the right thing? How can we inspire others to follow suit and proceed with plans to install rooftop solar panels if they discover that their investment is being devalued. Because of APS' greed, we would be wasting valuable opportunities to produce energy using the natural, non-polluting resource of solar power.

APS massively undervalues the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Michelle Halonen

13807 N 38 Ave
Phoenix, AZ 85053

Teresa Tenbrink

From: bruce day <bruceday@gmail.com>
Sent: Tuesday, November 12, 2013 1:03 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

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Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

bruce day

621 e mt sunrise pl
Oro valley, az 85704

Teresa Tenbrink

From: Bret Wadford <Bjwadford77@gmail.com>
Sent: Tuesday, November 12, 2013 1:00 PM
To: BitterSmith-Web
Subject: Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

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Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Bret Wadford

7425 west Wexford dr
Kirkland, Az 86332

Teresa Tenbrink

From: Alice and Karl Stambaugh <stambaugh99@cox.net>
Sent: Tuesday, November 12, 2013 2:01 PM
To: BitterSmith-Web
Subject: Re; APS Net Metering Case

Hello,

I would like you to know that I am in support of solar power in Arizona, and urge you to accept RUCO's compromise re: the disagreement over what APS wants to charge solar customers in the net metering case coming before the Commission.

We want solar to survive in Arizona and rates to be fair. Please consider this compromise.

Regards,

Alice Stambaugh
8537 E. Osborn
Scottsdale, AZ 85251
480-947-2095

Teresa Tenbrink

From: Grand Canyon Trust <info@grandcanyontrust.org> on behalf of Peter Curia <pgeometro@yahoo.com>
Sent: Tuesday, November 12, 2013 2:08 PM
To: BitterSmith-Web
Subject: Protect solar progress in Arizona - Net Metering works!

Nov 12, 2013

Commissioner Susan Bitter Smith
AZ

Dear Commissioner Bitter Smith,

I urge you to protect solar progress and a strong rooftop solar program in Arizona.

Arizona is now the national leader in solar energy production per capita due to the "net metering" policy that allows customers who have installed solar on their homes or businesses to receive fair market value for any excess energy that is sent back into the grid.

The net-metering policy produces substantial benefits. Solar producing customers are compensated fairly for excess energy generated. Other utility customers benefit by receiving clean, renewable energy through the grid. Progress in solar energy also reduces the need for costly new power plants and transmission lines, creates high-paying local jobs, and results in cleaner air for people and our environment.

The Commission's staff recently recommended that the ACC reject Arizona Public Service and instead address issues in 2016 in the next APS rate case. I encourage you to do that and to continue supporting progress in the rooftop solar program. With more than 300 days of sunshine each year, Arizona should be a leader in solar energy. Solar is a win-win for Arizona, and net metering is an essential part of that.

Please oppose proposals by Arizona Public Service to overturn Arizona's net-metering policy.

Sincerely,

Mr. Peter Curia
2048 N 68th Pl
Scottsdale, AZ 85257-2637

Teresa Tenbrink

From: Union of Concerned Scientists <action@ucsusa.org> on behalf of Scott Lefler <slefler@gmail.com>
Sent: Tuesday, November 12, 2013 2:07 PM
To: BitterSmith-Web
Subject: Save net metering (Docket E-01345A-13-0248)

Nov 12, 2013

Commissioner Susan Bitter Smith
AZ

Dear Commissioner Bitter Smith,

I am writing in opposition to the proposals from Arizona Public Service that would severely cut the amount solar customers can save on their electricity bills through net metering.

As you know, net metering allows solar customers to receive credit on their electricity bills for each kilowatt-hour of electricity generated by their solar panels. Net metering is critical to providing customers the opportunity to choose to power their home or business with solar energy and to growing the solar industry in Arizona. The changes that Arizona Public Service proposes would dramatically reduce the economic incentives for Arizonans to go solar, which would jeopardize the growth of solar energy in Arizona.

I am strongly considering putting solar panels on my house. If you approve the proposal from APS, specifically the part regarding placing an additional charge on new solar customers' bills, I doubt that it will be financially feasible for me to go solar. We should be doing everything possible to increase the number of homes and businesses with rooftop solar and absolutely nothing to discourage it.

Your own staff has recommended that you reject APS's proposal to dramatically reduce net metering incentives prior to conducting a cost-effectiveness analysis as part of a general rate case.

Please protect the right of Arizonans to use solar energy by opposing Arizona Public Service's current proposals to change net metering rules.

Sincerely,

Dr. Scott Lefler
5867 S Brittany Ln
Tempe, AZ 85283-2782

Teresa Tenbrink

From: Sierra Club <information@sierraclub.org> on behalf of Scott Mittelsteadt <azsmittels@gmail.com>
Sent: Tuesday, November 12, 2013 1:51 PM
To: BitterSmith-Web
Subject: Protect Solar Rights in Arizona-Net Metering Docket E-01345A-13-0248

Nov 12, 2013

Commissioner Susan Bitter Smith
1200 W. Washington - 2nd Floor
Phoenix, AZ 85007

Dear Commissioner Bitter Smith,

I urge you to protect solar rights and a strong rooftop solar program in Arizona.

Net metering is one of the most important issues with regards to distributed generation, and benefits our community as a whole, not just the home owner who installs a PV system. When they can send clean, green energy back into the grid, they are helping non-solar customers take advantage of energy that does not come from a coal-fired power plant.

As more PV customers come on line, less and less coal will be required to satisfy our energy needs. Net metering ensures that solar customers get fair credit for any energy that is sent back into the grid from their systems, and helps a broader range of the residential economic spectrum to partake in the generation of clean energy.

Solar is a win-win for Arizona, and net metering is an important part of that. Please stand up for Arizona's solar rights by protecting and promoting net metering and rejecting the two proposals being offered by APS.

Let me say it again - Solar is a Win-Win for Arizona.

Thank you for considering my comments.

Sincerely,

Mr. Scott Mittelsteadt
14602 N 19th Ave
Unit 112
Phoenix, AZ 85023-7104
(602) 653-0735

Teresa Tenbrink

From: Paula and Harry Stahl <2peppers@cableone.net>
Sent: Tuesday, November 12, 2013 1:41 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Solar

We think it is time for the corporation commission to review the current Net Metering policy being used in Arizona.

As we understand it, net metering is a technical term for a rule that **forces utility companies to pay solar customers for excess power their solar panels produce at a higher rate than the market dictates**. Also, net metering **forces homeowners that don't use rooftop solar to pay for those that do**.

Are utility companies paying too much for the excess solar energy being generated by solar generating home owners?

Are non solar generating consumers being charged excessive amounts for their energy to support this excessive payment system?

If so this is unfair.

If you want solar panels on your rooftop, go ahead. But don't make your neighbor pay for it!

This whole system needs to be revised. Please as our elected Corporation Commission, give it your utmost consideration in the very near future.

Sincerely,
Harry and Paula Stahl
512 W Concho St
Safford, AZ 85546
2peppers@cableone.net

Teresa Tenbrink

From: Glona Nance <noreply@formresponse.com>
Sent: Tuesday, November 12, 2013 1:38 PM
To: BitterSmith-Web
Subject: Save Solar Energy!

Dear Commissioner Bitter Smith,

I am a voter and an APS customer. I am writing to urge you to protect net metering.(Docket number- E-01345A-13-0248).

APS has proposed an aggressive tax on solar customers, either in the form of a radically reduced rate of payment for power sent back to the grid or a substantial charge to their monthly bill.

I support rooftop solar in our state as an important industry and a means for Arizonans to have a real energy choice. These proposed taxes will effectively end the residential solar industry in Arizona. Please vote to protect net metering in APS.

Thanks,

Glona Nance

nanceglona@gmail.com

Teresa Tenbrink

From: Al Dadd <aldadd6550@gmail.com>
Sent: Tuesday, November 12, 2013 12:50 PM
To: BitterSmith-Web
Subject: APS' attempt to kill residential solar by changing net metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

APS has been wasting millions of electrical ratepayers' dollars in their propaganda campaign to change net metering. APS' lies and fabrications strain the belief of all who hear them. APS knows that if their proposal were approved, that it would destroy residential solar. Why is APS spending all this money on their dead-brown proposal while claiming that they are "true green"? APS will never see any increase in revenue from their proposal since their proposal will kill the residential industry. Even APS is suggesting to grandfather all current solar installations and their proposal will wipe out any future installations. Therefore, they will never get any additional money from their proposal.

APS' proposal can only be driven by the desire by APS to maintain an absolute monopoly on solar installations. As has been said before, absolute power corrupts absolutely.

Please reject all proposals to alter net metering.

Sincerely,

Al Dadd
16849 W. Villagio Dr
Surprise, AZ 85387

Teresa Tenbrink

From: Jackie Schaefer <dickjackie_79@msn.com>
Sent: Tuesday, November 12, 2013 12:46 PM
To: RBurns-Web; Stump-Web; Burns-Web; Pierce-Web; BitterSmith-Web
Subject: Net Metering
Attachments: November 12.wps

Attached is my letter concerning the Net Metering. I would appreciate your taking the time to read my thoughts on this matter. As a person with solar on my home, I am interested in your consideration on this matter.

Richard J. Schaefer
Oro Valley, AZ 85755

Teresa Tenbrink

From: Audrey Brownell <audreybrownell@gmail.com>
Sent: Tuesday, November 12, 2013 12:30 PM
To: BitterSmith-Web
Subject: Say NO to APS

Dear Commissioner Bitter Smith,

Please don't let APS tax the sun!! Why would you do this to anyone living here in Arizona?? ARIZONA! Get it? It has over 300 day of sunshine!! It should be the country's leader in solar energy. With APS's antiquated and cry-baby attitudes, and its shady behavior through third party groups.... Arizona will never develop into a solar leader.

I am an APS customer...unfortunately. I can't afford solar although I would be overjoyed to have it. I'd like to know that I am contributing to saving our environment, instead of helping APS pay their executives more money. For what? So they can drive us even further backwards in technology. It is doomed to fail. Obviously, those high-paid executives don't have the imagination or skills to see they should have started to transform their business years ago to be ready for what is possible today. They should have had the majority of households using solar by 2013! Dah!

Instead they want to continue using dirty fossil fuels. I want clean energy. It's so frustrating! Solar shouldn't still be so expensive to install. If APS had the leadership and foresight, I could be using solar right now. But they weren't capable of seeing the future. They prefer to listen to people like the Koch brothers -- the most destructive people to our environment.

I hope I can count on you to say NO to APS. Be our heroes for once. You have the power to do something for the rest of us. Do the right thing! Stand with the people. Everyday I try to do everything I can to reduce my power usage. I realize I made the choice to live here in this climate. (Of course, I didn't know just how hot it can get for such a long period of time.)

As you know, net metering allows solar customers to receive credit on their electricity bills for each kilowatt-hour of electricity generated by their solar panels. Net metering is critical to providing customers the opportunity to choose to power their home or business with solar energy and to growing the solar industry in Arizona. The changes that Arizona Public Service proposes would dramatically reduce the economic incentives for Arizonans to go solar, which would jeopardize the growth of solar energy in Arizona.

Your own staff has recommended that you reject APS's proposal to dramatically reduce net metering incentives prior to conducting a cost-effectiveness analysis as part of a general rate case.

Please protect the right of Arizonans to use solar energy by opposing Arizona Public Service's current proposals to change net metering rules.

Counting on you to help me get solar on my house someday.....

Audrey Brownell
311 E. Electra Lane
Phoenix, AZ 85024

Teresa Tenbrink

From: Stephen Buchwalter <sonofomar@gmail.com>
Sent: Tuesday, November 12, 2013 12:27 PM
To: BitterSmith-Web
Subject: Homeowner's View on APS and Net Metering

Ms. Smith,

We installed solar panels on our roof in 2009. I want to make you aware of my perspective on the APS proposal to change the net metering feature that makes solar power affordable and useful to homeowners like us.

Point 1: My solar panels essentially reduce my need for electric power. My neighbor, call him Mr. Jones, reduced his need for electricity by upgrading his air conditioning to more efficient units, using efficient LED lighting, etc. APS is not proposing to charge Mr. Jones extra for his access to the grid as he reduces his need for electricity. Another neighbor, call her Ms. Smith, is a part-year resident who uses much less electricity than any other neighbor. Again, APS is not proposing to charge Ms. Smith for grid access because she isn't using much electricity when she is here for a few months in the winter. The only difference between my saving electric power and theirs is that net metering takes into account the time skew of my solar panels because the sun shines only during the day.

Point 2: At the end of the calendar year, after I've turned off my air conditioning, net metering gives me a balance of electric power credits that I haven't used. APS pays me for those credits, but they pay me at the wholesale power rate, not the retail rate that my neighbors are paying. Also, the power I have contributed to the grid is local. It doesn't have the transmission losses that APS power stations suffer from. So, my extra power at year end has been subsidizing the neighbors without solar, not the other way around.

Summary: APS expensive ad campaign arguing that non-solar customers shouldn't have to subsidize customers who have solar is misleading at best.

Please consider this perspective when you decide the APS application.

Stephen Buchwalter
41207 N. Congressional Drive
Anthem, AZ 85086
Phone 623-249-5925/Cell 914-474-0951
sonofomar@gmail.com

Teresa Tenbrink

From: Bryan <brh64@cox.net>
Sent: Tuesday, November 12, 2013 12:03 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Comments re docket number E-01345A-12-0290 (net metering)

Dear Commissioners,

I'm writing you to implore you to evaluate the Net-metering petition before you logically and fairly, with as little politics as possible. I am solar owner. APS tells me that my agreement will be grandfathered should their request be successful. Parochially, this is good and I would expect nothing less. But it doesn't help Arizona in the future.

I will tell you that my decision to go solar was a financial decision. As much as I'd like to claim that love of the environment was the basis for my decision; it wasn't. I would not have leased a solar system if my analysis did not show a reasonable return on my investment (and risk). If you agree to shift any dollars away from home owners, you'll obviously be reducing the market for solar and reducing the power that the residential homes return to the grid. I'm assuming your roles on the commission would be focused on the latter. As a home owner I honestly don't know if the amount of power contributed is significant or not... but it seems like it makes sense that the more homes tied to the grid the better AZ would be able to minimize infrastructure growth and seasonal peaks.

The other question that I hope you ask the power utilities is "What has changed? Why was net metering "fair" when you originally agreed to that business model, but is no longer fair?"

Regards,
Bryan Hartlen
480-300-4850

Teresa Tenbrink

From: Steve Downing <sd85383@gmail.com>
Sent: Tuesday, November 12, 2013 10:40 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Docket E-01345A-12-0290 Solar

Solar Customers still pay for power from APS and fees for power even when using solar. I saw an article where APS said solar customers are just lowering their payments and not eliminating their energy bill. If this is the case, why is APS wanting to eliminate net metering. You as a collective group are certainly well versed on the solar debate however I would **urge you to let solar work.**

Steven Downing
12805 W Junipero Drive
Sun City West, AZ 85375

Teresa Tenbrink

From: Grand Canyon Trust <info@grandcanyontrust.org> on behalf of Taylor McKinnon <taylor.mckinnon@gmail.com>
Sent: Tuesday, November 12, 2013 10:37 AM
To: BitterSmith-Web
Subject: Do not undermine net metering

Nov 12, 2013

Commissioner Susan Bitter Smith
AZ

Dear Commissioner Bitter Smith,

I urge you to protect solar progress and a strong rooftop solar program in Arizona.

Arizona is now the national leader in solar energy production per capita due to the "net metering" policy that allows customers who have installed solar on their homes or businesses to receive fair market value for any excess energy that is sent back into the grid.

The net-metering policy produces substantial benefits. Solar producing customers are compensated fairly for excess energy generated. Other utility customers benefit by receiving clean, renewable energy through the grid. Progress in solar energy also reduces the need for costly new power plants and transmission lines, creates high-paying local jobs, and results in cleaner air for people and our environment.

The Commission's staff recently recommended that the ACC reject Arizona Public Service and instead address issues in 2016 in the next APS rate case. I encourage you to do that and to continue supporting progress in the rooftop solar program. With more than 300 days of sunshine each year, Arizona should be a leader in solar energy. Solar is a win-win for Arizona, and net metering is an essential part of that.

Please oppose proposals by Arizona Public Service to overturn Arizona's net-metering policy.

Sincerely,

Mr. Taylor McKinnon
1218 N McMillan Rd
Flagstaff, AZ 86001-3034

Teresa Tenbrink

From: kevin anderson <kmander89@gmail.com>
Sent: Tuesday, November 12, 2013 10:34 AM
To: Pierce-Web; Burns-Web; Stump-Web; RBurns-Web; BitterSmith-Web
Subject: APS and ALEC, solar netmetering

Dear Commissioners:

Last Friday, watching "Horizon" on PBS, I learned that APS is again a member of the American Legislative Exchange Council (ALEC). As an APS customer, I would like you to know that I do not think it appropriate for a public regulated utility that is guaranteed a reasonable profit, to be involved in such a political organization.

I also do not think it appropriate for APS to be funding the anti-solar power advertisements that I'm seeing on television. I'm planning to have solar panels instilled on my house and will be depending on the current net metering arrangement to provide the savings that make this economically feasible. The idea that my doing this somehow is hurting other APS customers makes no sense to me. APS should be working to advance solar energy, not opposing it.

Thnak you for your attention.

--
Kevin Anderson
8873 N. 114th Drive
Peoria AZ 85345

Teresa Tenbrink

From: Perry Bishop <k.p.bishop@msn.com>
Sent: Tuesday, November 12, 2013 10:21 AM
To: BitterSmith-Web
Subject: Did APS Suddenly Get Smart? Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

I've been following the current solar vs. APS "debate" with considerable interest. Today, ("Solar industry fights credit change," The Arizona Republic, Sunday, Nov. 10, 2013), APS now says, hey, you solar users aren't getting any saving on electricity costs anyway. There is little mention of the June 23, 2009, the Arizona Corporation Commission's press release that stated, "the plan filed by APS [my emphasis added] to provide net metering so that customers who generate their own energy through solar, wind, or other renewable technologies, can be compensated for the excess energy they produce." ACC's release also stated, "Today's decision is a victory for the environment, our economy, but more importantly a victory for the APS customer," said Commissioner Sandra Kennedy. From its website, APS says, "Under the current rules, known as net metering, solar customers pay little or nothing to support the grid. Those costs are shifted to non-solar customers." So , in effect, APS encourages customers to get solar, offering rebates and other incentives, but then wants to penalize them for doing so.

Question, what's changed, between 2009 and 2013? Did the Commission or APS suddenly "get smart"?

In the Washington, DC, area, HOV-2 lanes were installed years ago, which with growing traffic, became HOV-3. The "government" (local and federal Administrations) with the assistance of car manufacturers, etc., began encouraging people to drive hybrids – with financial incentives and tax credits. Sound familiar? After all, it was good for the environment, the economy, etc. And, if you purchased one of these expensive vehicles, which would take years—if ever, to amortize, you could use the HOV-3 lanes to commute as a single driver. Guess what happened. Because people drank the cool aide, bought hybrids and used the HOV-3 lanes, it was often faster to use the regular lanes. Then the local governments began to have second thoughts about allowing hybrids with fewer than three people. A corollary to this issue is that with all the governmental (local, state and federal) encouragement for people to save the planet, lower hydrocarbon usage, etc., these entities have now realized that they are not getting as much in fuel taxes, which impacts these governments' revenues.

Did these bureaucrats' suddenly "get smart" as well?

The "law of unintended consequences" is alive and well and the average consumer – solar or not, who are at the end of the line, so to speak, continue to get the preverbal shaft. In this solar vs. APS controversy, as the Republic points out, money to "buy" ACC votes out weights the consumer by a wide margin. As someone who installed solar, both to lower my energy bills and to help the environment, I feel duped! As a side issue, no one is talking about solar customers not being allowed to use peak and off-peak metering either, regardless of the net-metering outcome! APS is promoting the line that non-solar customers are paying for solar users. I hate break the bad news, but, as with many things in life we don't use but pay for in taxes, etc., all APS customers have been paying for the company's rebates and other incentives all along, whether they use them or not. This is just another example of government-industry Three-Card Monty, or "watch the birdy while I pick your pocket."

While certainly hope the ACC does not buy APS's line, as a consumer, I have my doubts it will do so.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Perry Bishop

6911 E Thirsty Cactus Lane
Scottsdale, AZ 85266

Teresa Tenbrink

From: Greg Duclos <Sierra_Film_Productions@msn.com>
Sent: Tuesday, November 12, 2013 9:25 AM
To: BitterSmith-Web
Subject: Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Greg Duclos

11260 e. poinsettia dr
scottsdale, AZ 85259

Teresa Tenbrink

From: Scott Swenka <scott.swenka@gmail.com>
Sent: Tuesday, November 12, 2013 9:21 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Comments Regarding : Docket Number E-01345A-12-0290

AZ CC and Utilities Division;

As a rooftop solar system owner and solar proponent, my position on APS's grandstanding is and will continue to be that they are a monopoly and are afraid of losing market share, thus which means less pay and bonuses for their top level executives.

In 2011 alone, their income was:
Donald Robinson made 4.84 million
Randall Edington made 4.86 million
Donald Brandt made 4.92 million

I hate to wonder what their income was for 2012 and now 2013.

These overpaid executives now want MORE of our hard earned money. The buck needs to stop here and now. These guys massive annual salaries range anywhere from 45-50 times what I make in a single year as Program Manager for all of USA IT Operations of a major Aerospace Fortune 100 company that has a large Arizona presence. These guys salaries continue to go, while mine has been stagnant with no bonuses or raises for 3 years running now.

I urge you to NOT approve ANY tax on the sun, solar, or changes to net metering policies to benefit these guys who already have enough of the market share are are simply butt hurt that they are losing money to a growing alternative of energy.

Should you support this action of APS, it will surely reflect in how I vote the time your roles come up for re-election.... think about that before you act....

--
Scott Swenka, B.S, M.S, BVA, NOMAN, NSA IAM/IEM, 6σ Greenbelt, ITIL V3
American Desert Foundation - Chairman of the Board of Directors
CORVA - Supporting Member
R&R Duners Member
Good Sam Club Lifetime Member
NRA Lifetime Member

Teresa Tenbrink

From: email_bounce_handler@bounce.convio.net
Sent: Tuesday, November 12, 2013 8:23 AM

XXX 12, 2013

XXXXXXXXXXXX Susan Bitter Smith
XXXX W. Washington - 2nd Floor
XXXXXXXX AZ 85007

XXXX Commissioner Bitter Smith,

X urge you to protect solar rights and a strong rooftop solar program XX Arizona.

XXXX more than 300 days of sunshine each year, Arizona should be a XXXXXX in solar energy. An important componenX of this solar energy is XXXXXXXXXXXX generation via residential roof-top systems. This assists XXXXXXXXXXXX by powering their energy needs with clean, renewable energy, XXX any excess energy can also be sent back into the grid, reducing the XXXX for the utility company to produce extra energy while benefiting XXXXX customers.

XXX metering is one of the most important issues with regards to XXXXXXXXXXXX generation. Net metering ensures that solar customers get XXXX credit for any energy that is sent back into the grid from their XXXXXXXX It would not be fair, and it doesn't make sense, not to pay XXXXX generators the fair market value for the energy they generate.

XXXXXXXXXX the ACC staff recommended that this issue be addressed in XXXX in the next APS rate case. I encourage you to do that and, in the XXXXXXXXXXXX to support a strong rooftop solar program.

X recent study found that because of net metering, APS customers alone XXXX receive \$34 million in grid benefits each year, starting in 2015.

XXXXX benefits range from delaying the need for additional grid XXXXXXXXXXXXXXXX and power plants, which saves a substantial amount of XXXXXXX as well as reducing pollution and the associated impacts on XXXXXXX health and the environment.

XXXXX is a win-win for Arizona, and net metering is an important part XX that. Please stand up for Arizona's solar rights by protecting and promoting net metering and rejecting the two proposals being offered by APS.

Thank you for considering my comments.

Sincerely,

Ms. Dianne Douglas
2723 E Valencia Dr
Phoenix, AZ 85042-7082
(602) 268-7065

Teresa Tenbrink

From: cyellen@cox.net
Sent: Tuesday, November 12, 2013 8:01 AM
To: BitterSmith-Web
Subject: Please don't allow APS to tax the sun!

Commissioner Bitter Smith:

I'm writing in reference to docket number E-01345A-12-0290. Please do not allow APS to tax the sun and potentially kill the solar industry in Arizona. This is just the start of similar campaigns around the country and if we give in to the big money interests that funded the campaign, we'll start to see a chain reaction. Don't let these lies and mistruths go any farther than they already have.

My rooftop solar installation was generously subsidized, and now APS is getting their money's worth with a safe source of clean energy and a reduced drain on their limited power generation. To reverse the financial models that make rooftop solar work for homeowners would kill the industry.

Please vote to continue net metering. Yes, APS has thrown solar adopters like me a bone by grandfathering us in - just to placate us. I'm speaking for the hundreds of thousands of future potential solar customers that could help catapult our state to even greater amounts of clean electricity. Most of all, please do not reward APS for their lies and deception.

Thank you for your time.

Christopher Yellen
11032 N. 12th Street
Phoenix, AZ 85020
480-390-2064

Teresa Tenbrink

From: Bill Mason <williambmason@gmail.com>
Sent: Monday, November 11, 2013 7:50 PM
To: BitterSmith-Web
Subject: Net Metering is Fair

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Bill Mason

9311 W Briarwood Circle
Sun City, Az 85351

Teresa Tenbrink

From: Kent LeSueur <jklesueur@cableone.net>
Sent: Monday, November 11, 2013 7:41 PM
To: BitterSmith-Web
Subject: Dear Commissioner BitterSmith,

Please keep solar growing on customers homes by having net metering with electricity sold back to the grid at the same price the solar customer pays to receive it like 43 other states have.

Sincerely,

Kent Lesueur

From: Steve Cory <azspartan@zoho.com>
Sent: Monday, November 11, 2013 6:53 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Cc: 'Steve Cory'
Subject: Net Metering Analysis - This Makes a lot of Sense to Me

<http://www.arizonadailyindependent.com/2013/11/10/a-split-among-conservatives-over-residential-solar-net-metering/>

A split among conservatives over residential solar “Net Metering”

November 10, 2013 By [David Leeper](#) [Leave a Comment](#)

Arizona’s “Net Metering Controversy” is gaining national attention. It is an issue that has split Republicans and Conservatives down the middle. Some, like Senator [Russell Pearce](#), are siding with *regulated monopolies* like APS. Others, like [Barry Goldwater](#), Jr., favor solar-based competition for APS and consequently, find themselves siding with *left-oriented groups*, who favor solar for its alleged environmental benefits.

The Arizona Corporation Commission (ACC) will hold hearings in November on Net Metering. Which side should a Conservative support? In the essay below, I take a closer look.

Bottom line: I end up favoring the side of the pro-solar advocates. It’s not unqualified support, but it *is* about a 90-10 split, in my view.



Summary: If the ACC truly wants to represent power utility ratepayers, they will make very certain that any changes to net metering do *not* destroy the economic incentives to install residential solar. That competition will restrain rising power utility rates much more effectively than the ACC’s oversight alone. The ACC should not be swayed by specious claims about “fairness.”

Over the past couple months, political-style attack advertising has been running on TV and radio *for* and *against* "net metering" for solar customers. The attack-ad vocabulary includes terms like "free ride", "fair share", "subsidy", and so on.

Under current net metering arrangements, solar customers pay nothing to their power utilities for solar energy that they generate and consume themselves. Further, when they "export" surplus energy to their neighbors, the utilities are required to compensate them with energy and cash credits on their utility bill.

Utilities say that customer-generated energy and those credits end up shifting power plant and transmission costs to non-solar customers in an "unfair" way. They want to charge solar customers something for that plant even during times when the customers don't use it. Solar companies, on the other hand, want to leave net metering "as is", saying that tampering with those arrangements could kill residential solar. In addition, they say, some [accounting studies](#) show that non-solar customers actually *benefit* when their neighbors install solar.

In this article, as an interested bystander, I try to unpack the claims from both sides.

Background: I'm a retired engineer who lives in Scottsdale. I've been a satisfied APS customer for 21 years, and I've had a 48-panel SolarCity system installed and running on my roof for more than 4 years.

I spent 23 years (1969-1992) as an engineer and manager in the old AT&T Bell System, a gigantic *regulated monopoly* that was overseen by government regulatory agencies not unlike the Arizona Corporation Commission (ACC) that oversees Arizona Public Service (APS). I know how outside competition can be upsetting to a regulated monopoly.

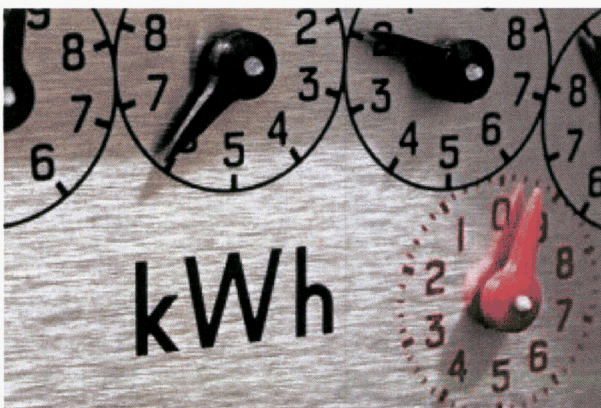
I also have a PhD in electrical engineering, which helps me understand the technical issues.

So, looking beneath the politically charged rhetoric –

When the solar system on my roof generates 1 kilowatt-hour (kWh) of energy, *what happens to it?* The two possibilities are:

(A) the kWh is *consumed immediately by me* or,

(B) being more than I need at the moment, that kWh is *consumed immediately by my neighbors* who are connected to the same distribution transformer that I am.



Let's start by considering Case (A) and talk about *who gains and who loses* when that kWh is *consumed immediately by me*.

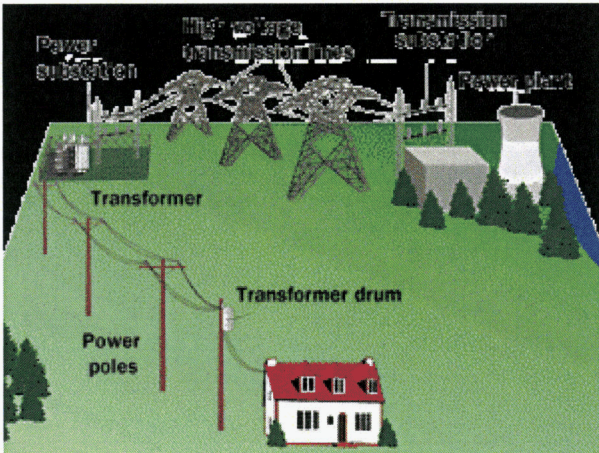
A1: Clearly, I *gain* because I don't have to pay my utility (APS) for the kWh that I would have otherwise paid for. Of course, it's not "free" to me because I lease my solar PV system, but over time, my out-of-pocket expense *should* be lower than what I'd pay APS for that kWh. I have voluntarily taken on that risk.

A2: APS *loses*, they argue, because they had to forgo the retail revenue from that kWh that could have otherwise been theirs. In fact, using their own words, they argue that because I generated that kWh myself, APS effectively “paid” me the value of that kWh “in dollars of bill savings”.

A3: APS claims that my neighbors and fellow ratepayers *lose* because the revenue that APS would have received from me included an allowance for transmission lines and generating stations. Thus, they say, a portion of the costs for that “fixed plant” must be borne by ratepayers other than me.

It’s hard to accept **A2** even on its face. In particular, if I generate a kWh on my own and consume it in my own house on my own property without ever using *any* APS facilities, then what business is it of APS, and in what sense are *they* paying *me*? This strikes me as hi-tech chutzpah. After all, APS could make the identical claims if I had simply shut down an air conditioner for about 30 minutes, avoiding the use of that kWh altogether, thereby denying APS that same revenue and shifting those same fixed plant costs to my neighbors. So what’s “fair” about APS wanting to charge me *any* kind of tax or fee for electricity that I generate and use entirely on my own?

Furthermore, regarding **A3**, APS neglects to mention that by generating a lot of my own electricity, most often during the hours of highest demand, I help APS defer investment in new generation and transmission facilities, thereby holding *down* electric rates for my fellow ratepayers. Where do they include that factor in their claims about “fairness”?



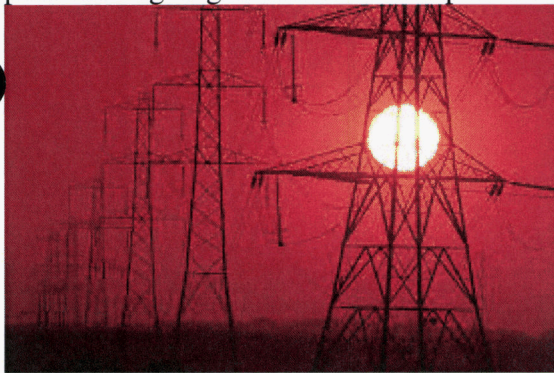
That said, APS does have a legitimate rejoinder. My solar system would be useless without APS as backup power *and* a source of timing and synchronization for the energy that my solar system generates. If a cloud passes over the sun, briefly causing my solar system’s output to fall below my demand, APS is there instantly to fill the gap with virtually no drop in voltage, distortion of waveform, or loss of 60-Hz timing that could cause trouble for my household appliances.

Of course, I pay APS the full retail price for every APS-supplied backup kWh I consume, and it’s the software and electronics in *my* solar system that make the transitions appear seamless to my home appliances. But I must acknowledge that the timing/synchronization and backup capability *just being there* is a valuable service, even when I’m not using it. Speaking for myself, I’d be willing to pay *something* for that service as long as APS doesn’t overdo it(!).

So, with the exception in the above two paragraphs, I don’t see where ratepayers or APS is being treated “unfairly” when I generate and consume my own electricity via solar.

Next — what about Case **(B)** above, where my system generates a surplus kWh and exports it to my neighbors who consume it immediately? What happens there, and who *gains* or *loses*?

B1: APS *gains* because *they charge my neighbors the full retail price* for my surplus kWh even though APS paid nothing to generate it or transport it to my local power distribution transformer.



B2: I *gain*, because APS credits my bill with a kWh that I can use later when my solar panels can't quite deliver all I need. In APS' own words: "The monthly carryover credit for excess generation is in kWh credits, which are ultimately converted to dollars of bill savings in a subsequent month." So APS again argues they're "paying" me the retail value of that kWh. However, *APS has already been paid for that kWh at full retail rate* by my neighbors who consumed my surplus kWh that I *paid* for through my solar system lease. So the kWh that APS supplied to me and my surplus kWh that APS sells to my neighbors are pretty much "a wash".

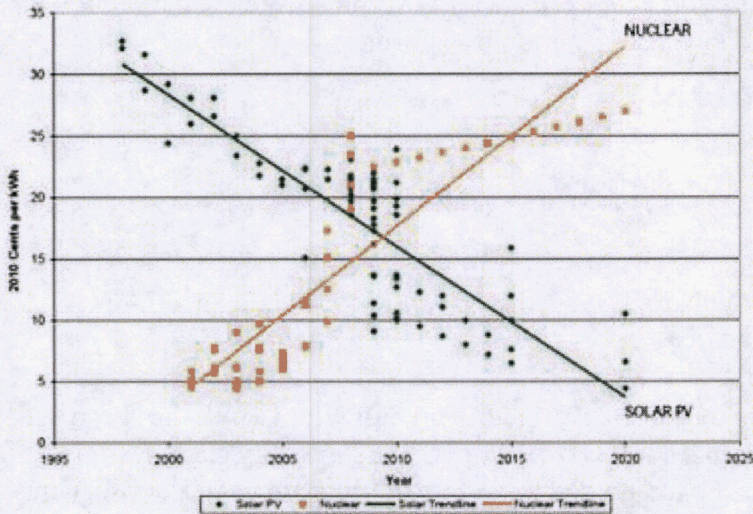
B3: APS *gains* in another way if I get to the end of the calendar year with that kWh credit still unused on my bill. APS then buys it from me with a cash credit on my bill that is well below the retail rate for that kWh. So while they charged my neighbors the full retail rate for my surplus kWh (which cost APS nothing) and collected the revenue for it in the month it was consumed, they paid me much less for it than my neighbors paid *them* for it. And APS got to wait until the end of the year to make their payment to me, while my neighbors had to pay APS for it in the same month it was consumed. How is APS hurt in that transaction? Granted, APS argues it could buy that kWh in bulk for even less than they pay me, but how good a deal do they want?

B4: My neighbors and all ratepayers *gain* because my surplus kWh reduced the peak load on APS generation and transmission facilities. Every such kWh helps put off the need for additional APS capital equipment to handle peak demand, which in turn helps hold down electric rates for everybody.

B5: Ironically, via B4, APS *does lose* some revenue because putting off the need for new capital equipment hurts *them*, at least indirectly. It's easy to overlook this factor because for a regular profit-and-loss business, putting off capital expenditures would normally be good news for the balance sheet. But APS, as a regulated monopoly, earns a *guaranteed rate of return* on their capital expenditures. More capital expenditures therefore produce more total revenue. So what is good news for ratepayers (in B4) is actually bad news for APS' total revenue.

All in all, I have a tough time buying APS claims that *ratepayers* are getting hurt by residential solar. I *can* see that APS and its investors may be getting hurt somewhat by restraining the capital investment on which they earn a guaranteed rate of return. And I can agree that I'm getting a valuable backup service from APS for which I'm making no explicit payment. But as compensation, APS does get to sell some of my surplus (free to APS) energy to my neighbors at APS' full retail price while paying me a far lower price and getting to wait until the end of the year to pay me. And at least one detailed study shows a *benefit* to ratepayers when their neighbors install solar.

Agenda-driven anti-solar advertising tends to look at only portions of the transactions described above. By picking and choosing the right transactions, those ads can make net metering look unfair when it really isn't. For example, some of those ads claimed that APS has been compensating me for a surplus kWh at "five times the market value" of that kWh when they give me a kWh credit on my bill. The ad neglects to mention that, as described in B1 above, APS charges my neighbors the full retail value for that kWh – a kWh that cost APS nothing at all for generation and transmission.



As solar costs continue to plummet and electric utility rates continue to rise, there's a crossover coming in the future when utilities could lose a lot of their cash-cow business to home-owner-generated electric energy. The ACC just granted Arizona power utilities a huge concession in closing a docket on allowing competition in the Arizona electric power market from other electric power providers. Now the utilities are running political-campaign-style ads against solar, with loaded terms (borrowed from the Left) like "fairness", "free ride", "fair share", and "subsidy." Perhaps they hope this rhetoric will convince the ACC to remove the only other competition on the horizon. I hope that doesn't happen.

In summary, in my view:

If the ACC *truly wants to represent the ratepayers*, they will make very certain that any changes to net metering *do not* destroy the economic incentives to install residential solar. That competition will restrain rising power utility rates automatically and far more effectively than the ACC's oversight alone.

It is in the ratepayers' interest to see that solar not only survives but thrives as competition to regulated monopoly power utilities. And it would be in the utilities' interest to *embrace* distributed-generation solar as *part of their business* rather than just competition to it.

In fact, if I were the CEO of APS, I would issue the following dictum: *If anyone is going to cannibalize our business with distributed-generation solar, it's going to be us, damn it! I want to see plans for how we can use distributed-generation solar ourselves, partner with solar providers, or even buy them if we have to. I want to see us **lead** in the use of distributed solar for our customers and not be dragged kicking and screaming into it long after someone else has been successful with it!*

Teresa Tenbrink

From: Gene Dufoe <gdufoe@cox.net>
Sent: Monday, November 11, 2013 12:41 PM
To: BitterSmith-Web
Subject: Against net metering

I support Senator Pearce, Thayer Verschoor and the AZ Power Consumers Coalition. Keep the existing system.

Gene and Ellen Dufoe

PC 25 Republican Precinct Committeeman

Boeing Retirement Advisory Board Chair

Red Mountain Tea Party

Mesa Education Committee Chair

Teresa Tenbrink

From: Mike Scerbo <mscrbo@rosemoserallynpr.com>
Sent: Monday, November 11, 2013 12:13 PM
To: BitterSmith-Web
Subject: NEWS: New Poll Shows Big Solar Support Continues Despite APS Attack Ad Millions

FOR IMMEDIATE RELEASE

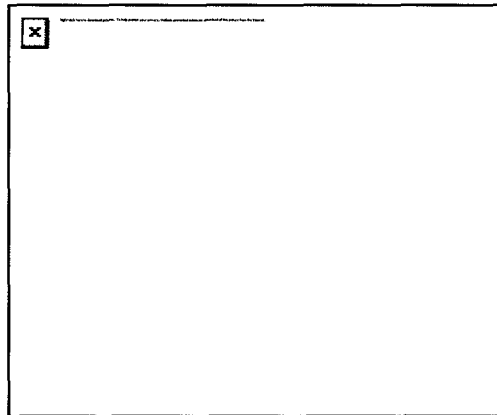
November 11, 2013

Contact: Jason Rose

Email: JRose@rosemoserallynpr.com

Work: 480.423.1414

Mobile: 602.791.4488



New Poll Shows Many Millions Spent, Nothing Gained *All Parties Overwhelmingly Oppose APS Sun Tax, Solar Kill*

(SCOTTSDALE, Ariz.) Despite a multi-million dollar assault on solar savings and energy choice waged by APS, the vast majority of likely Maricopa County voters are not buying APS' deceptions. They remain opposed to the utility monopoly's efforts to tax solar power. Eighty-one percent of those surveyed reject APS' solar tax. A stunning 77% would be less likely to vote for a candidate who ends solar savings.

The survey specifically asked as it has in 2 previous surveys:

"Solar energy is finally succeeding in Arizona because solar customers are allowed to sell the extra energy their solar panels generate back to the utility company. In other words if we are forced to buy power from Arizona Public Service for a certain price, Arizona Public Service should have to buy excess power created by solar panels for that same price. This is a good policy that exists in forty-three other states and it should not be ended by the Arizona Corporation Commission."

In March of this year 83% of the respondents agreed with the statement. In August 88% agreed. In November, following APS' multi-million dollar attacks on solar savings, 81% still agreed with the statement.

The parent company for Arizona Public Service, Pinnacle West, has admitted to spending at least \$3.7 million dollars on a public relations assault on solar savings and energy choice in Arizona. The \$3.7 million represents only part of the story. In their most recent quarterly report, Pinnacle West admitted to spending a total of \$9 million on efforts to kill not only net metering but also opposition to deregulation of the utility industry.

Despite this massive spending campaign, which has been denounced by the Arizona Republic, only 45% of those surveyed have a favorable view of APS while 69% have a favorable view of SRP.

APS' attacks center on net metering which allows rooftop solar users to be fairly compensated for excess electricity they send back to the grid.

The poll, which was conducted on November 6 and 7 by renowned Republican pollster Glen Bolger of Public Opinion Strategies, surveyed 300 likely voters in Maricopa County.

Bolger stated, "It continues to be political malpractice for Arizona elected officials to vote to end the solar power program in Arizona."

T.U.S.K (Tell Utilities Solar won't be Killed) was formed to stand for energy choice and energy independence. T.U.S.K. Co-Chairman Tom Morrissey said, "Arizonans aren't being fooled by APS' tactics. Let's hope those on the Commission see the APS solar attack for what it is, a well-financed attempt to eliminate competition through government intervention. That's crony capitalism that isn't supported by likely voters including an overwhelmingly large number of Republicans."

To learn more about T.U.S.K. visit www.dontkillsolar.com

T.U.S.K. believes that rooftop solar is similar to a charter school—it provides a competitive alternative to the monopoly. Monopoly utilities aren't known for reducing costs or for driving business innovation, but the Arizona solar industry is. Solar companies have a track record of aggressive cost reduction in Arizona. The more people use rooftop solar, the less power they need to buy from the utilities. Energy independence for Arizonans means smaller profits for the utilities, so APS is doing everything it can to stop the spread of independent solar. Recently, APS has proposed a plan to tax rooftop solar out of existence.

-30-

This message was sent to BitterSmith-web@azcc.gov from:

Rose+Moser+Allyn Public and Online Relations | 7144 E Stetson Drive Suite 400 | Scottsdale, AZ 85251

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Teresa Tenbrink

From: James LD30PCT178 <jamesld30pct178@gmail.com>
Sent: Monday, November 11, 2013 11:47 AM
To: Burns-Web; RBurns-Web; Pierce-Web; BitterSmith-Web; Stump-Web
Subject: Re: Net metering reform issues

I'd like to revise my request.

For a home owner, not generating power in excess of what they use in a month, I would like to see a 1 for 1 credit for the power put back in the grid. I believe this is already standard practice, and has been for some while. For excess power, if defined as the amount of power put back into the grid over what a consumer uses in a month I could envision selling the excess power for some lower rate than what would be charged. I must acknowledge that in nearly every transaction such as in stocks there is a bid and ask spread that compensates those who provide and facilitate the buying and selling services. I could see bid/ask spread applying here if the spread is kept as small as possible. If there is no such spread in place now I would like to see the consumer interested in selling excess power be able to get at least 90% of the what they would pay for power. That would provide a 10% spread on the price of the power as compensation to the power company for buying the power and selling the power to others. Analysis of the costs might dictate slightly smaller or larger spreads. Keeping the spread small to maintain an incentive for customers to generate power should be held as a primary objective. Furthermore the spread might be larger for commercial providers of power.

Thank you.

On Thu, Nov 7, 2013 at 2:50 PM, James LD30PCT178 <jamesld30pct178@gmail.com> wrote:
If I sell electricity to the power company, and put power on the grid for my neighbors to use from my own solar panels I want to get top dollar for it.

If I make the meter run backwards I want at least the reverse of what I pay for power, and don't want you short changing me by setting lower prices than what the power company charges. Their retail prices do indicate the fair market price we can expect selling into the retail market.

Home solar producers have production costs too, and should have the same opportunity for a retail profit margin.

Teresa Tenbrink

From: JTGypsie@aol.com
Sent: Monday, November 11, 2013 11:45 AM
To: BitterSmith-Web
Subject: Net Metering of Solar Power

To Whom it concerns,

Please fix net metering so that people not using solar power are NOT forced to pay and subsidize people who do. If someone can afford solar power - great, but it should not be something everyone else has to pay for!

Sincerely

Judy Titus

Teresa Tenbrink

From: Michael DiModugno <mike_dimodugno@yahoo.com>
Sent: Monday, November 11, 2013 11:35 AM
To: Stump-Web; Pierce-Web; Burns-Web; BitterSmith-Web; RBurns-Web
Cc: azgov@azgov.com; atobin@azleg.gov; mccomish@azleg.gov; atovar@azleg.gov; bwheeler@azleg.gov; Personal@BMGjr.com
Subject: Solar Net Metering (Docket # E-01345A-13-0248)

Dear Commissioners,

This is in reference to Docket number E-01345A-13-0248, solar net metering.

I am writing to encourage you to not fall prey to APS's spin on the facts or allow them to continue to rape Arizona citizens and in effect in-act a tax on those same citizens. Raising taxes should be left up to our legislators.

APS is not subsidizing solar homes with net metering. Net metering is just paying what should be a fair price for a commodity. But is it a fair price? APS is purchasing the Solar homes product for 3 cents per kWh and reselling it for 12-24 cents per kWh. That by no means is subsidizing, that is making a hefty profit. Instead of considering Taxing the Sun you should be making APS pay a fair market price for the electricity I produce for them.

APS has been allowed for years to operate willy nilly in the market. They have a nice monopoly and with this monopoly they have not had to operate like all other businesses in this country. They are able to run to the Corporation Commission and get fees increased whenever they want them. They have lavish pay scales, lucrative employee benefits and a very large advertising budget. How is it that APS can spend \$4 million on Spin Tactics on the TV, hiding behind the Edison Electric Institute, in order to try and influence you on this matter? Because it means bigger profits and more money for their executives. It's wonderful that APS can make fancy TV ads that are filled with lies, well don't let them fool you.

Times are changing, Solar is the future. It brings jobs to Arizona. Instead of allowing APS to kill the solar industry and further strengthening their monopoly they should be forced to adjust to the changing times like other companies. Companies are still reducing staff to further adjust to the economic condition. Why shouldn't APS do the same? APS is a greedy company and using this Net Metering issue to further line their pockets and put a stronger hold on their monopoly. If APS can't operate like a viable business then open the Arizona markets to completion. But you voted that down. This country is run on capitalism, if I was given the opportunity to choose between just the two current power companies, APS and SRP, I would chose SRP. Why are they able to operate and sell electricity for so much less compared to APS? Having lived in an SRP home for 24 years and the last 2 years in an APS home I understand why my friends have complained about APS. APS is VERY EXPENSIVE and I have the data to stand behind that!

For many years APS pushed and supported residential solar. Now that they have their big new Solar farm they are no longer interested in the residents. Yet they support the new "Green" Apple facility and providing solar to Arizona schools. Who is paying for that? I'm sure once again the APS customers. But this is spin too. This is to make it look like APS supports solar and they do as long as they can further line their pockets at the expense of residents.

This issue has nothing to do with the Sierra Club or other organizations that you might oppose because of your party affiliation, it is strictly APS wanting to further control the market and eliminate competition and continue to raise fees on hard working Arizonians through fee increases that exceed inflation. Let's not stop progress; all Arizonians have the same opportunity to purchase solar solutions to protect against the APS increases. Lets continue to be a Solar supporting State and bring more jobs to Arizona vs. chasing the solar companies to other States.

The Corporation Commission was put in place to protect Arizona Residents against the big utilities and manage the monopolies, let's do just that. Don't continue to feed this beast, let's tame the beast.

Sincerely,

Michael DiModugno
Registered Republican and Solar Supporter

Teresa Tenbrink

From: Michael DiModugno <mike_dimodugno@yahoo.com>
Sent: Monday, November 11, 2013 11:35 AM
To: Stump-Web; Pierce-Web; Burns-Web; BitterSmith-Web; RBurns-Web
Cc: azgov@azgov.com; atobin@azleg.gov; mccomish@azleg.gov; atovar@azleg.gov; bwheeler@azleg.gov; Personal@BMGjr.com
Subject: Solar Net Metering (Docket # E-01345A-13-0248)

Dear Commissioners,

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The Corporation Commission was put in place to protect Arizona Residents against the big utilities and manage the monopolies, let's do just that. Don't continue to feed this beast, let's tame the beast.

Sincerely,

Michael DiModugno
Registered Republican and Solar Supporter

Teresa Tenbrink

From: Sierra Club <information@sierraclub.org> on behalf of Tony Gioia <tonygioia_@msn.com>
Sent: Monday, November 11, 2013 11:19 AM
To: BitterSmith-Web
Subject: Net Metering Docket E-01345A-13-0248

Nov 11, 2013

Commissioner Susan Bitter Smith
1200 W. Washington - 2nd Floor
Phoenix, AZ 85007

Dear Commissioner Bitter Smith,

I urge you to protect solar rights and a strong rooftop solar program in Arizona.

As I understand it, the energy I produce (with rooftop units) during the day is credited to me at a wholesale rate. That electricity is sold, at that time by the Power company, at various higher retail rates to other users. At this time the Power company receives profit from my power production. Later in the day (when rates are low), or cloudy days, I buy back energy at the same wholesale rate as I sold it. I

feel this is a fair and equitable exchange for both parties. I utilize the grid for power storage (so to speak) and the Power company sells my energy at a higher rate, for a profit, without their cost for production. It is a win/win for both of us and additionally if there are enough small clean solar energy producers doing the same there is less need for the Power company to utilize or expand the polluting energy production methods still used for mass production.

Please do not allow diminishing of the present Net Metering system and demand the Power companies stop the disingenuous ad campaigns about private individual solar power producers.

Thank You

Thank you for considering my comments.

Sincerely,

Mr. Tony Gioia
PO Box 464
Camp Verde, AZ 86322-0464

Teresa Tenbrink

From: Sierra Club <information@sierraclub.org> on behalf of Tony Gioia <tonygioia_@msn.com>
Sent: Monday, November 11, 2013 11:19 AM
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Mr. Tony Gioia
PO Box 464
Camp Verde, AZ 86322-0464

Teresa Tenbrink

From: Paula Ashley <ashleypc908@gmail.com>
Sent: Monday, November 11, 2013 10:44 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: docket number E-01345A-12-0290

Please include discussion of climate change (in light of recent typhoon devastation in the Philippines when considering the APS request concerning solar net-metering. Yes, I have roof-top solar panels and consider my savings in CO2 emissions to the environment my prime motivation in acquiring them. Arizona is not exempt from climate change realities.

Paula Ashley
roof-top solar customer

Teresa Tenbrink

From: Paula Ashley <ashleypc908@gmail.com>
Sent: Monday, November 11, 2013 10:44 AM
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Teresa Tenbrink

From: theworldbysea@gmail.com on behalf of Derek Turner <derek@rooftopsolar.us>
Sent: Monday, November 11, 2013 10:41 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Strong recommendation to reject proposal E-01345A-12-0290

Elected Commissioners,

I am writing as a lifelong Arizona resident and a small business owner. As a company and growing business who will be deeply affected by your decision, I strongly urge you to **reject proposal E-01345A-12-0290 to change net metering. It is one sided and is NOT in the best interest of general public.**

My company is a local, Arizona based, solar installer. We have grown from 2 people to 15 in the past 3 years. We are a company focused on customer service, and have worked hard to grow our company by reinvesting into the community, added labor and service. Already just the APS proposal (as well as the utility funded ads) has caused strong drop in solar installations. This proposal if accepted would be enormously crippling to the solar industry.

I understand as a business owner that APS is working to secure its future profits. However, it should not be at the cost and opportunity of the greater public who strongly favor renewable energy in our country's sunniest state. I have studied and am familiar with the cost/benefit ratio of solar and know based on industry leaders that this proposal is grossly overstated and premature.

If passed, our local Arizona company will be forced to downsize and consider other markets when we are currently growing and supporting our local economy. Please do the right thing, and reject the APS proposal as the majority of those citizens who voted you into office, and your staff have recommended. Thank you for your continued service and support for the good of Arizona.

Sincerely concerned,

Derek Turner

Rooftop Solar

"Your Local Sunshine Source"

16 East Route 66, Suite 203

Flagstaff, AZ 86001

O: 800-786-7080

C: 928-255-2416

Rooftop Solar~Powered by the Sun. Driven by community.

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Rooftop Solar~Powered by the Sun. Driven by community.

Teresa Tenbrink

From: Tim Collette <timcollette65@gmail.com>
Sent: Monday, November 11, 2013 9:07 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Docket number- E-01345A-13-0248

Dear Commissioner,

I am a voter, an APS customer and a solar user who is very concerned about the future of solar energy in Arizona. I am writing to urge you to protect net metering.(Docket number- E-01345A-13-0248).

APS has proposed an aggressive tax on solar customers, either in the form of a radically reduced rate of payment for power sent back to the grid or a substantial charge to their monthly bill.

I support rooftop solar in our state as an important industry and a means for Arizonans to have a real energy choice. These proposed taxes will effectively end the residential solar industry in Arizona. Please vote to protect net metering in APS.

Thank you for your attention

Tim Collette

Teresa Tenbrink

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Thank you for your attention

Tim Collette

Teresa Tenbrink

From: John A. "Jack" Tirrell <jack.tirrell@comcast.net>
Sent: Monday, November 11, 2013 8:32 AM
To: RBurns-Web; BitterSmith-Web; Stump-Web; Burns-Web; Pierce-seb@azcc.gov
Subject: Solar Net Metering

Dear Commissioner:

Over the past several weeks we have received several mailings concerning the unfairness concerning net metering of solar power. Since we installed solar panels a couple of years ago we have an interest in any changes to how solar power is treated. Therefore, we have attempted to read the arguments regarding net metering in Arizona.

The vast majority of articles written are against net metering. However, in all of the articles only one or two mentioned the benefit of solar power to the electric power generation utilities. What is never mentioned by the opponents of net metering is that the utility benefits from a greatly reduced need to build new power plants. This reduced cost results in keeping the price of electricity lower than it would need to be by increased generation capacity. Also the considerable investment by the individual who installs solar panels is never mentioned. The net result is everyone benefits from a more efficient and more free market for energy where individuals can make choices about their energy consumption.

Our net excess generation of electricity each month is passed on to the following month. In our case at the end of the first year we received a small check for the excess electricity generated. We were not compensated at the full retail amount charged to the regular customer from TEP. It was, if memory serves us correctly, a percentage of the retail charge. Since then the new excess generation has just been passed over to the January billing. This is perfectly acceptable to us. We do not want to take an unfair advantage on anyone.

We are opposed to the ACC making any change to reduce the amount paid to solar power users at the end of the year for net excess generation. The opposition cries the current system is unfair. But in their argument they conveniently neglect to mention the cost of the equipment and its installation or of the money saved by not having to build increased generation capacity. Their unfairness argument does not pass the smell test in our minds.

Do NOT change the net metering to what APS and the other opponents of the current program want. They are interested only in increasing their bottom line profit. We are convinced any change actually would be UNFAIR not just to the solar user but to everyone.

Sincerely,

John A. & Helga R. Tirrell
1205 E. Deer Canyon Rd.
Tucson, AZ 85718-1069

Teresa Tenbrink

From: John A. "Jack" Tirrell <jack.tirrell@comcast.net>
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1205 E. Deer Canyon Rd.
Tucson, AZ 85718-1069

Teresa Tenbrink

From: Laurel Lingle <laurel.lingle@yahoo.com>
Sent: Saturday, November 09, 2013 8:32 AM
To: BitterSmith-Web
Subject: Solar Net Metering

For the Record ~ As a resident of Tucson, Arizona, and a Citizen of the United States ~ I wish to register my complete disagreement with the idea of "Solar Net Metering". In my opinion, it is just one more way this administration is "**spreading the wealth**".

People who want Solar Power ~ let **THEM** pay for it! No one subsidizes my energy bills, why should I help to subsidize theirs? As a matter of fact we are already subsidizing many of the underprivileged for their energy rates. Enough Said!!!

Sincerely,
Laurel J. Lingle

Teresa Tenbrink

From: jim_newlon@yahoo.com
Sent: Saturday, November 09, 2013 6:26 AM
To: BitterSmith-Web
Subject: Solar Net Metering

The solar industry is highly subsidized by the federal government. We already subsidize the solar industry and individual users through our income taxes. Do NOT support another tax on us through Net Metering.

An increased meter tax will drive us and others out of Arizona while causing another obstacle to new business and citizens to relocate here.

Sincerely,
James and Debra Newlon
4535 S Sauk Ave
Sierra Vista, AZ 85650

Teresa Tenbrink

From: Don Naughton <dsnaughton@hotmail.com>
Sent: Thursday, November 07, 2013 9:36 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Solar net metering

Dear Commissioners,

As you debate this important issue I wanted to provide input to your discussions. I have recently changed my opinion on this topic.

It is my opinion that the current net-metering strategy subsidizes the more affluent out of the pockets of the less affluent. I recently moved to Arizona. As I drive around different areas in the Valley it is apparent that the vast majority of rooftop solar customers are in the more affluent neighborhoods. This is a reverse Robin Hood as we steal from the poor to give to the wealthy.

So as you consider this important issue I ask you to stop subsidizing wealthy rooftop solar owners on the backs of the working middle class and poor.

Sincerely,

Don Naughton

Sent from my iPhone

Teresa Tenbrink

From: Andy Pronko <andypronko@yahoo.com>
Sent: Thursday, November 07, 2013 6:18 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Solar net metering

I have solar panels and will be affected by any decision regarding net metering. When the first solar customers came on line someone made a decision about a fair solution and how much the bilateral transactions should cost and how the energy transfer should be measured. What changed? Were errors made in the original calculations? If so what were they and what exactly were the wrong assumptions. With all these allegations being tossed around I've seen no data supporting either side. I think it would be helpful if numbers could be published along with the historical perspective so we can understand what the real story is. Otherwise I can only believe that APS is using it's advertising to get a rate increase with fear mongering.

Andy Pronko

Teresa Tenbrink

From: afulton6@cox.net
Sent: Wednesday, November 06, 2013 7:43 AM
To: BitterSmith-Web
Subject: Solar Net Metering

Please stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now. As seniors we are on a very very tight budget and can not afford to pay for others electric. We can hardly pay our own. Thank you.

Arlene Fulton

Teresa Tenbrink

From: Steven McCall <mbsm8570@hotmail.com>
Sent: Monday, November 11, 2013 7:43 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Arizona Solar - APS - Docket E-01345A-12-0290

Dear Arizona Corporation Commission:

I respectfully request for you to deny APS's to end the Net Metering requirement. I moved to Arizona in the mid 1990's due to the beautiful climate and ability to spend so much time outdoors. The drawback is the summer, where the temperatures can encourage our families to spend time indoors during August and requires the use of air conditioning. I want to be able to manage these expenses. I have just moved into a new home and want to add solar to my home to make my electricity bills affordable. The system I'm looking at buying runs around \$28,000 with the installation being performed by Arizona citizens that would benefit from the work. If Net Metering ends, I lose my incentive to invest in the system and those people that would be paid for the honest work of installing the system will not have that benefit.

The argument from APS seems disingenuous in that for years they have sent me messages about how solar is good for the environment and they want me to invest in a share of their solar farms. The cost of transmission would still have to be borne by APS consumers. It sounds like they only believe in the "green" power movement is when there is financial gain for them. As a Arizona citizen and voter, I urge you to protect my ability to invest in solar power for my home.

Sincerely, Steven McCall
2050 E. Oasis Street
Mesa, AZ 85213

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Teresa Tenbrink

From: Robert Binkley <rlbinkley@earthlink.net>
Sent: Monday, November 11, 2013 7:39 AM
To: BitterSmith-Web
Subject: Re: Unfair Practices by APS Toward Solar Users; docket number E-01345A-12-0290

Ms. Bitter-Smith:

Good afternoon.

I just received the attached letter from APS today. They are saying that they have reversed their position on the non-transferable aspect of their grandfathering proposition of allowing a 20-year waiver for net-metering. This does not relieve the new solar customers from the "solar tax" that APS wants the AZCC to approve. APS still feels that solar users do not pay their fair share but I believe we all disagree with this statement.

We do pay our fair share and most of us were incentivized by APS to put solar on our rooftops in the first place. This was the result of a government requirement for APS to provide a certain percentage of power to the grid from alternative sources; incentivizing their customers to build arrays on their rooftops and connecting them to the grid was APS' idea and reaction to this regulation. Therefore, APS should bear the responsibility on figuring out a way to continue to finance their infrastructure fairly across the board and should then present their revised plan to the AZCC for approval.

We already pay many taxes and fees as part of our energy bills that were put in place to finance infrastructure and environmental costs. If done properly in the first place, APS should have figured these costs into their business model and included them in their kilowatt-hour costs to their customers.

I think we can all see where this is going. I hope you will all support the movement against this unfair treatment of solar users.

Thank you,

Robert Binkley
Environmentally-Responsible Solar User

<APS Anti-Solar Letter (Nov 5, 2013).pdf>

Robert Binkley
29645 North 45th street
Cave Creek, AZ 85331

PH: (480) 206-9334

E-mail: rbinkley@earthlink.net

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29645 North 45th street
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PH: (480) 206-9334

E-mail: rbinkley@earthlink.net

Teresa Tenbrink

From: Scott Gildenmeister <Scott@kraemereng.com>
Sent: Monday, November 11, 2013 6:27 AM
To: BitterSmith-Web; RBurns-Web; Burns-Web; Pierce-Web; Stump-Web
Subject: Protect Net Metering

Dear Corporation Commissioner,

I am an Arizona voter and utility customer and I am writing to urge you to protect net-metering.

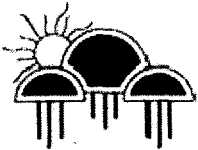
Net metering ensures that solar customers like me receive fair credit for the valuable clean power we deliver to the grid for others to use during the day. It is one of the most important policy tools the Commission has for empowering homes, businesses, schools and public agencies to go solar, and to drive the growth of a successful Arizona industry.

Utilities in the state want Arizona to change its successful net metering program and I am highly concerned that this could result in not properly compensating customers for their valuable energy investments.

Home and business owners spend their own money to install systems that provide many benefits to the grid and other ratepayers. Net-metering also allows utility customers to make their own choices about where they get their electricity, what type of electricity they want and how much they're willing to pay for it.

I urge you to protect net metering.

SCOTT GILDENMEISTER
PLUMBING DESIGNER



KRAEMER CONSULTING ENGINEERS, P.L.L.C.

2050 West Whispering Wind Drive, Suite 158 • Phoenix, Arizona 85085
Office 602.285.1669 • Fax 602.285.9450 • www.kraemereng.com

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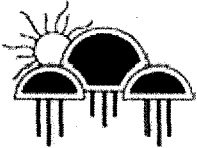
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From: Donna Watford <dpw4@cox.net>
Sent: Sunday, November 10, 2013 11:33 PM
To: BitterSmith-Web
Subject: Re[2]: net -metering this may be a form letter but I do support net-metering and I hope you will as well

Dear Corporation Commissioner,

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Net metering ensures that solar customers like me receive fair credit for the valuable clean power we deliver to the grid for others to use during the day. It is one of the most important policy tools the Commission has for empowering homes, businesses, schools and public agencies to go solar, and to drive the growth of a successful Arizona industry.

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I urge you also to look at the myriad of charges the utility companies like APS charge for solar customers. One of my summer bills I paid \$285.00 for \$100.00 of electricity, there is a large delivery charge, customer service charge, metering charge, and at least 12 more things added on with charges.

I urge you to protect net

metering.

D Watford
Glendale AZ

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Teresa Tenbrink

From: Annette Hannan <annettehannan@cox.net>
Sent: Sunday, November 10, 2013 11:03 PM
To: BitterSmith-Web
Subject: Net Metering-Solar Panels

Dear Commissioner Susan Bitter Smith,

Net metering is not fair to Arizona homeowners that do not use rooftop solar to pay for those that do.

It should be against the law.

Anything you can do to make this decision a freedom of choice to Arizona homeowners is greatly appreciated.

Sincerely, Annette Hannan, Phoenix, AZ 85021

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Teresa Tenbrink

From: Kevin Fullerton <KevinFullerton@cox.net>
Sent: Sunday, November 10, 2013 10:18 PM
To: BitterSmith-Web
Subject: Please manage APS and their publicity on Net Metering

Dear Commissioner Bitter Smith,

I am angered by the one-sided APS-funded ad campaign claiming that owners of home solar installations are not paying their share of the cost to distribute our electrical power. Please do not be influenced by APS's lobbying group the Edison Electric Institute whose mission reads "EEI's mission is to ensure members' success by advocating public policy, expanding market opportunities..."

Commissioner, as a consumer I hope you find it troubling that a lobbying organization of the for-profit utilities is going directly to consumers to raise electric rates bypassing your authority. As an electrical engineer I found the EEI's Issue Brief on this subject wanting. Solar customers have made sizable investments for a cleaner future for all of us and our children. Falsely calling them out as being unfair is extremely offensive.

APS complains that they are paying too much for the excess power that they buy from their home solar customers. This is absurd. A look at the current tariff sheets show that a home solar customer is paid only 2.89 cents per peak kWh (EPR-6) for the power they supply to the grid. Each of these kWhs is immediately sold to other APS customers at a huge mark up: 16.167 cents/kWh (E-12), 24.477 cents/kWh (ET-2) or 8.67 cents /kWh (ECT-2). As a reference AZCentral reports that APS is paying 14 cents per kWh to the owners of the Spanish-built Solana plant, a rate 4.7 times higher than they are paying their own solar customers. Is Abengoa paying for their share of their distribution?

You have the means to appropriate the true cost of the infrastructure via the Lost Fixed Cost Recovery adjuster but this must be applied fairly. The home solar installations I have looked at do place lower demands on the infrastructure than traditional customers and they must be charged fairly. To allocate infrastructure costs one has to calculate this adjustment based on the kWhs pulled and supplied to the grid and take into account the huge profit APS is making on the home solar-generated power.

I understand that the traditional utility companies are worried about how to continue high profits for their shareholders in a world transitioning away from the old coal-burning era to cleaner distributed sources and to higher efficiencies/lower demand. Going after the solar customers is the absolutely wrong way to do it.

Yours truly,
Kevin Fullerton, PE

KevinFullerton@cox.net
623-293-0866

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From: Wayne Sandifer <phx4ws@gmail.com>
Sent: Sunday, November 10, 2013 7:33 PM
To: Pierce-Web; Stump-Web; Burns-Web; BitterSmith-Web; RBurns-Web
Subject: Net-Metering Commission

The Arizona Corporation Commission (ACC) will meet this Wednesday & Thursday to discuss and possibly make a decision on APS's proposal on net-metering. I have solar panels on my roof, which costs a great deal of money to install. I was trying to go green and conserve energy. To do the right thing for our environment, only to be threatened by the prospect of additional fees. The energy that I produce goes right to my electric company's "grid," which in turn saves my electric company from producing more electricity that would be needed to service my home. What's next, additional fees for people who recycle their water or energy efficient homes or homes that are desert efficient with their landscape, should they be punished also for using less amounts of electricity and water for their property. I suppose they don't support the water "grid," like I do, so they need to pay an additional fee. Why is my water bill so high? Am I paying for my neighbor's little use of water? Are they paying their fair share to maintain the water "grid?" Why am I paying for taxes for education, when I don't have any children in school. "It's not fair." I think only the people that have children should pay that tax. However, that's not how our society works and that's my friend's life. You get my point!!

If the ACC approves APS's proposal, there would be little or no incentive to go GREEN and conserve energy at any level. The electric companies in every state are watching their decision and would love it, meaning more profit in their coffers. Everyone in the country is watching the ACC's decision.

There's only one right thing for the ACC to do and that is deny APS's proposal and go about our daily lives. Don't ever take away the incentives that help save our environment to conserve energy. The country needs your help!!! The world needs your help!!! Our grandchildren need your help!!!!

Wayne Sandifer

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Teresa Tenbrink

From: Russ Lazuka <russlazuka@yahoo.com>
Sent: Sunday, November 10, 2013 1:49 PM
To: BitterSmith-Web
Subject: Arizona Corporation Commission to fix net metering so that it's fair for all Arizonans and Californians

If I want solar panels on my rooftop, but don't make my neighbor pay for it.

Russ Lazuka

USAF Vietnam Era Vet
Patriot Guard Ride Captain

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From: Karlas1020@aol.com
Sent: Sunday, November 10, 2013 10:37 AM
To: BitterSmith-Web; Pierce-Web; Burns-Web; Stump-Web; RBurns-Web
Subject: Net Metering; Docket No. E-01345A-13-0248; Presentation

Plan to be present at the meeting. Will try to present the following in 3 minutes.
John Lentini
Scottsdale, AZ85257

The solar subsidy was a bad idea from the beginning. Take care of the present solar rooftop owners but stop the future subsidies. If possible do something for the solar company employees. Solar and wind power systems are not ready to compete with fossil fueled power systems. Solar power is intermittent, and unpredictable because it depends on the weather. Solar power costs the rate payer and the taxpayer at a minimum four to five times the cost of natural gas for electrical power. They hurt the poor and businesses by raising the cost of electricity. In short they are a bad investment for tax payers and the consumers of electricity.

When one makes an investment in a business or the stock market, the goal is to get a positive return on the principle. Let's review the following solar rooftop investments.

Note that Solar systems have a negative payback, i.e., they wear out before we (taxpayers, rate payers) get our money back. So we pay to reduce the cost of the solar system so that the owner can save money. The poor subsidize the more affluent.

Examples:

From a SRP seminar on roof tops:

For what they call a simple payback which ignores maintenance, repairs and other real life costs, here are the numbers for a rooftop system:

Size: 5KW; Typical Cost: \$27,000; AZ Tax Credit: \$1000; Federal Tax Credit: \$8100; Utility Company Incentive; \$2000; Final cost: \$15900; Simple Payback: 21 years. The Inverter which converts the direct current from the solar panels to alternating current has to be replaced in about ten years for a cost of 2 to 3000 dollars; the solar panels last about 25 years and are guaranteed for 20 years. Note that even subsidized by Federal, and state subsidies the simple breakeven is at end of life. Without subsidies the simple breakeven is approximately 35 years. Who would make an investment under these conditions?

The inverter alternating current varies randomly with the sun from 0 (at night) to 100% thus if the power is required to meet demand then a back up natural gas or coal power plant is required. Add that to the cost of the solar system. **The lady that was answering questions said that there was no breakeven payback; it was done for the environment.**

The town of Sunrise: Let's look at the return on investment if the project had been financed by the city. cost is \$812,000: \$18000/year is the power cost reduction. 45 years to break even. Solar cell lifetime is 25 years. Of course the price of 812,00 doesn't include cost of the power required to back up the solar system at night or on variable cloudy days, or the cost of maintenance.

If the power from these roof tops was really required then a back up power plant operating in the background would also be required to provide the power at night. So why not just forget the roof top power and just build the back up power plant when demand requires it?

Yes, but should we do it for the environment? No because it will have no effect.

Finally, If there is a global warming problem, it is global. No city, state or nation can solve the problem.

Calculations indicate that even if the whole US stopped all carbon Dioxide emissions (and we stop breathing) the reduction in global temperatures by 2050 would be about 0.08 degrees centigrade.

The EPA's draconian national solution would by their own calculations reduce the global warming by 0.006 to 0.0015 of a degree Celsius by the year 2100.

The global temperatures have not increased for the last decade despite the increase of carbon dioxide. Carbon Dioxide has benefits; the plants need it and thrive on the increased source. You breath in 390 ppm, and out 40,000 ppm yet life expectancy in the US has just been reported as having increased to 78. The only entity that benefits is the renewable energy industry. Putting our money into renewables is non-productive and will result in lost jobs, hurt the poor, and our industries.

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Sent: Sunday, November 10, 2013 10:37 AM
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When one makes an investment in a business or the stock market, the goal is to get a positive return on the principle. Let's review the following solar rooftop investments.

Note that Solar systems have a negative payback, i.e., they wear out before we (taxpayers, rate payers) get our money back. So we pay to reduce the cost of the solar system so that the owner can save money. The poor subsidize the more affluent.

Examples:

From a SRP seminar on roof tops:

For what they call a simple payback which ignores maintenance, repairs and other real life costs, here are the numbers for a rooftop system:

Size: 5KW; Typical Cost: \$27,000; AZ Tax Credit: \$1000; Federal Tax Credit: \$8100; Utility Company Incentive; \$2000; Final cost: \$15900; Simple Payback: 21 years. The Inverter which converts the direct current from the solar panels to alternating current has to be replaced in about ten years for a cost of 2 to 3000 dollars; the solar panels last about 25 years and are guaranteed for 20 years. Note that even subsidized by Federal, and state subsidies the simple breakeven is at end of life. Without subsidies the simple breakeven is approximately 35 years. Who would make an investment under these conditions?

The inverter alternating current varies randomly with the sun from 0 (at night) to 100% thus if the power is required to meet demand then a back up natural gas or coal power plant is required. Add that to the cost of the solar system. **The lady that was answering questions said that there was no breakeven payback; it was done for the environment.**

The town of Sunrise: Let's look at the return on investment if the project had been financed by the city. cost is \$812,000: \$18000/year is the power cost reduction. 45 years to break even. Solar cell lifetime is 25 years. Of course the price of 812,00 doesn't include cost of the power required to back up the solar system at night or on variable cloudy days, or the cost of maintenance.

If the power from these roof tops was really required then a back up power plant operating in the background would also be required to provide the power at night. So why not just forget the roof top power and just build the back up power plant when demand requires it?

Yes, but should we do it for the environment? No because it will have no effect.

Finally, If there is a global warming problem, it is global. No city, state or nation can solve the problem.

Calculations indicate that even if the whole US stopped all carbon Dioxide emissions (and we stop breathing) the reduction in global temperatures by 2050 would be about 0.08 degrees centigrade.

The EPA's draconian national solution would by their own calculations reduce the global warming by 0.006 to 0.0015 of a degree Celsius by the year 2100.

The global temperatures have not increased for the last decade despite the increase of carbon dioxide. Carbon Dioxide has benefits; the plants need it and thrive on the increased source. You breath in 390 ppm, and out 40,000 ppm yet life expectancy in the US has just been reported as having increased to 78. The only entity that benefits is the renewable energy industry. Putting our money into renewables is non-productive and will result in lost jobs, hurt the poor, and our industries.

Teresa Tenbrink

From: rvjct1398@cox.net
Sent: Sunday, November 10, 2013 10:24 AM
To: BitterSmith-Web
Subject: Net Metering...

I am completely against subsidizing the utility companies!!!!

Respectfully,

Robert V. Jeanne PC
Stellar

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From: tlyon2222@cox.net
Sent: Sunday, November 10, 2013 10:03 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Re: APS's LFCR

Commissioners,

Concerning the LCFR rate approved by ACC.

According to the following decision, this new charge is to recover for APS paying CO2 allowances when they sell power to California.

My question is this. Why do I see this on my bill when all my power is produced by solar, therefore no CO2 introduced into the atmosphere?

If APS is so concerned about fairness as in net-metering, why not be fair and not charge this rate for CO2 production which I do not produce.

Tim Lyon
USAF Ret.

DOCKET NO. E-01345A-11-0224
DECISION NO. 73650
FEB - 6 2013

Beginning in 2013, California will be implementing a greenhouse cap and trade program under regulations administered by the California Air Resources Board. As a result, APS may have to purchase CO2 allowances to cover greenhouse gas emissions that California associates with electricity imported into California. For APS, the cost of the allowances would be incurred only for the purpose of making off-system sales into California.



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Teresa Tenbrink

From: Ronald Hunter <rmhunter.lwa@gmail.com>
Sent: Sunday, November 10, 2013 9:47 AM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Net Metering - Open Meeting Nov 13-14, 2013 Docket Number E-01345A-13-0248

Commissioners:

While new to the discussion of net metering, I have recently began reading and hearing about the issue. While, I fully support individuals desiring to invest in and, potentially, profit from solar electric application, I do not want to subsidize their solar electric efforts.

As a community, we are all responsible for the electrical (and other public utility) infrastructure. We should all share the costs of maintaining utility infrastructures for the benefit of all.

I would encourage you to listen carefully to those who have the most to gain from transferring costs to others and treat their comments accordingly, i.e., do not accept their attempts to have others pay.

Those of us without solar systems should not subsidize the costs for those who do.

Those who have solar systems should not benefit at others expense.

Sincerely,

**Ron Hunter
Mesa, AZ**

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Teresa Tenbrink

From: Garsha Woolsey <garshsmarie@me.com>
Sent: Sunday, November 10, 2013 9:46 AM
To: BitterSmith-Web
Subject: APS and net metering

To whom it may concern;

I have been following the controversy of Net Metering and I was asked to contact you on behalf of APS by Mr. Pearce. I am sorry to say that Mr. Pearce is going to be greatly disappointed. APS is paying the wholesale price for electricity that is being fed back into the grid. APS is benefiting from the electricity produced by these homes, businesses and small companies that use renewable energy. I have in recent months noticed many industrial, apartments and business complexes with solar panels on their parking structures and homes with panels on their roofs. To penalize someone for being conscious of the environment and attempting to make their life better by lowering use of services is a slap in the face of these people. I personally have friends that have solar panels and the benefit to them is that their electric bill is lower than it was prior to installation. APS purchases electricity from other sources and it should have to pay the solar providers the same. There is no upkeep burden by APS the meter runs in 2 directions and those are already on most homes and businesses. I believe this is the large power company trying to not pay an individual what it is paying everyone else. To my understanding there is no actual payment to the person who is feeding their unused solar produced electricity but rather at end of year it is all settled by Avoided-cost = "Wholesale" price of electricity (cost to the utility). I have found several interesting and informative pieces of information, below are some clips I took from wikipedia. Please do not allow APS to place burden on the people of this state.

Net metering was pioneered in the United States as a way to allow solar and wind to provide electricity whenever available and allow use of that electricity whenever it was needed, beginning with utilities in Idaho in 1980, and in Arizona in 1981.^[6] Most states have net metering programs, and a 2005 Federal law requires all public utilities to offer net metering upon request.^[3]

- Feed-in Tariff (FIT) which is generally above retail, and reduces to retail as the percentage of adopters increases.
- Net metering - which is always at retail, and which is not technically compensation, although it may become compensation if there is excess generation and payments are allowed by the utility.
- Power purchase agreement - compensation which is generally below retail, also known as a "Standard Offer Program", and can be above retail, particularly in the case of solar, which tends to be generated close to peak demand.

Net metering only requires one meter. A feed-in tariff requires two.

I have one question for APS, Why is it a burden to upkeep when all that is occurring is someone else is feeding power into you grid? It is the same as a creek feeding into a river.

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Teresa Tenbrink

From: Dennis Patterson <cosmotopper@cox.net>
Sent: Sunday, November 10, 2013 9:05 AM
To: BitterSmith-Web
Subject: Upcoming discussion regarding net-metering

November 10, 2013

RE: Upcoming discussion regarding net-metering

Dear Commissioner Bitter Smith,

I am an Arizona State University graduate with my primary degree being in Anthropology. I was involved in some of the basic research preceding the building of the large freeway complex in the metropolitan area of the Salt River and in Phoenix. This is to note that I am a long time resident with ties to both the historical portion of Arizona along with its plans for the future.

Today I work for a large Arizona electric utility company as an automation specialist on Energy Management System computers and controls. A lot of my work is with large scale solar plants and their connection to the grid using switchgear to connect to local substations and the metering and controls that monitor the power output and switches. A great deal of my time is devoted to the maintenance of control equipment for Arizona substations along with construction devoted to new substations, power plants, and smart grid projects.

I have also installed a 9.75 KW rooftop solar system onto my house in Mesa and have connected this to Salt River Project's network. My parents have installed a 7 KW rooftop solar along with my sister and her husband that have a 9.5 KW rooftop solar, both in Payson, Arizona and connected to the APS system. Our installations have been made possible with the availability of net metering.

My family and I made the decision to add solar to help supply a portion of our household energy to see a reduction of power plant, lines and substation construction. This is due to the process of delivering local energy during peak

sunlit hours and drawing some of the energy back in evening and night time, off peak hours. We believe that through our effort as local users and generators we can make a difference in what the utility companies have to do to respond to energy demands in the future.

The current net metering plan will allow many home owners and small businesses to install and operate these small scale solar plants in a distributed generation plan that will be effective in reducing the growth of the grid. At some point in the future, when there is a fair balance of localized generation to large scale remote generation then maybe this question would be relevant, but today it is not.

The efforts of the ACC should look at the benefits of rooftop solar as it pertains to the growth of the businesses that build and maintain these systems, the reduction in greenhouse gasses from the large coal, oil and gas fired electric generation facilities, and the local individuals who are investing in the future of Arizona and the "valley of the sun." This in addition to the requests made from the local utility companies to reduce or remove the net metering model.

We appreciate your efforts to understand all of the users that comment on this issue and would appreciate it if you decide to table this decision and to allow net metering to continue as a show of support to the development of local generation and rooftop solar in Arizona. We think that this would best demonstrate the use of solar, especially in a state that leads the country with sunlit conditions.

Thank you for your time,

Dennis Patterson

5854 E Julep Street

Mesa, Arizona 85205

602-524-1235

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From: Russell.Whelan@aps.com
Sent: Sunday, November 10, 2013 6:37 AM
To: BitterSmith-Web
Subject: Net Metering "Fairness" is not logical and has nothing to do with being Fair.

Susan Bitter Smith

Arizona Corporation Commission

The current APS proposed 'Fairness' will deter new people from making the leap to solar. There has to be an incentive for people to take any action. One of those incentives for my parents in Prescott as well as myself in Tonopah, was to be able to have the solar system 'paid off' at least by the time the solar panels warranty ran out, or the technology was obsolete and needed replacing. This goal of being 'paid off' in ten, fifteen or twenty years by offsetting our electric energy bill, would now be impossible to ever do with the newly proposed "fairness" fees. Not only do solar users put less of a strain/wear on the grid, as they use less power from the grid, they are in actuality a net positive for not taxing the grids capacity. Ideally solar users would pay for what they use from the grid, as they do now, just as everyone else does. That would be a real 'fairness' plan.

To call households or businesses switching over to solar as "producers" that need to share the burden of being "grid power providers" is truly ridiculous and intellectually dishonest. There may be an odd ball massive system out there that produces far more than the locations use, and therefore could be considered a producer of power to some small capacity. But the reality is, and we all know it, typical solar users are households which just offset their immediate households needs, and wind up just using less grid supply from the APS plant provided power. When considering grid reliability/stability and looking into the future at the grid infrastructure investment that will be necessary to support future energy needs, these common households, regardless of their motives for moving to solar, will be far less than currently projected if this new "fairness" fee structure is implemented. Whether people are moving to solar to be green and environmentally conscience, or to have something paid off that they can call theirs, eventually saving them money, the new "fairness" proposal will undoubtedly deter both. It will be guaranteed that those currently wishing to invest in solar to save money in the long run will be removed from the solar equation going forward.

There may be a day when solar technology is produced cheap enough that access to it will be wide spread and a new pricing structure for solar users may not be much of a factor, but as of now with current solar system costs, it will stop any plans that I, my family, as well as many I know, have to move to solar anytime soon.

Let's find a solution that fixes the problem right the first time indeed! Charging people even more money for "doing the right thing" isn't a solution that should ever be considered to be reasonable or sustainable. People are now faced with investing in solar anyway out of their strong beliefs in the green solar movement without any plan to ever have them 'paid off', or those forced to move to solar someday stemming from future legislation far removed from individuals freely making their own choices. We'll be left with a few huge businesses that have the excess to 'PLAY' solar and use it in the advertisement of their products, and the few very well to do trendy people installing massive systems, whose installation and maintenance costs will matter little to them. Are we attempting to make solar a thing which only those of privilege can afford It looks like this proposed "fairness" is set to do just that!

Do we need to be reminded that when a cultural trend is hindered due to prohibitive legislation or legislated costs, and the trend is still 'encouraged' by an organized institution, the individuals 'free choice' to join the trend is all but empty rhetoric, and the steps are few from one day making compliance mandatory.

The move towards solar should be continually encouraged, as it ultimately helps the grids sustainability. The move towards solar should not be discouraged by charging solar users extra fees for doing what they are encouraged to do.

The move towards solar should remain a natural cultural movement and rewarded by both the current economic factors as well as people's desire to "Go Green". The move towards solar should not be prohibitively taxed or fined, as this will undoubtedly hinder that movement, as well hinder new business to enter the solar market.

Sincerely,

Mr. Russell Whelan
Nuclear Mechanic
APS
35846 W. Miami St.
Tonopah AZ 85354
Email: Whelan_sense@Hotmail.com

--- NOTICE ---

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Teresa Tenbrink

From: Karen McDonald <kkmretired@yahoo.com>
Sent: Sunday, November 10, 2013 6:04 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web
Subject: APS Net Metering

Talk about bate and switch. APS paid/pays incentives for customers to install solar and now want to stop what they had agreed to do. This needs to stop.

We are in an ideal area for solar energy to help the environment now big profits are threating this energy source.

Please do not vote for this change.

Karen McDonald
Sun City West, AZ

Teresa Tenbrink

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Karen McDonald
Sun City West, AZ

Teresa Tenbrink

From: Peter Fife <Peter.fife@azmoves.com>
Sent: Saturday, November 09, 2013 11:18 PM
To: BitterSmith-Web
Subject: RE: docket number E-01345A-12-0290 APS debate over Solar

Dear Mrs. Susan Bitter Smith,

Thank you for your public service on the ACC, I am a conservative Republican and am all for competition and capitalism. I could care less about greenhouse emission and the whole global warming propaganda, but **I am all for solar and the current plan which should remain unchanged especially in the sunniest state in the union.** I am sick and tired of APS their excessive rates, and the continual lies (i.e. no we didn't fund any anti solar campaigns, then are busted and finally admit they did but didn't admit to how much or where that money came from? Rate payers?) Please protect me and my clients from APS big business monopoly and gouging. I am a full time realtor and have been so for 17 years. Please understand that APS has a long and checkered past, as seen recently by their false statements about paying outside companies to run anti solar propoganda pieces.

I believe it is plain to see APS is only looking out for APS and not for us their customers. **Thankfully you are looking out for the best interest of the customer.** APS claims solar will cost them money, and they claim that roof top solar is not fair to non-solar customers in that solar customers are not paying enough for transmission costs, and that the net metering system is not fair for APS (more APS lies). However, please consider these following points. First Aps has a new Solar power plant near Gila Bend and as per APS <http://www.azcentral.com/mobile/articles/20130915aps-solana-power-plant-mobile.html> state their cost to produce is 14 cents a KW, not including distribution. They claim that their cost for power is 3.5 cents a kw (so why are we charged on the average 15 cents a KW?) and if in the event a roof top solar customer produces more than they use at the end of the year they only get reimbursed 3.5 cents a KW that is unfair to who? Yep the customer not APS. Reality is the extra power generated by roof top solar is sold to the neighbor for the full price during peak operating time at between 15-28 cents a kw, thus reducing APS need to purchase power at peak times (saving them money) which is generally higher than the 3.5 cents a kw average (they claim?). According to APS their cost to produce at Palo Verde is 6 cents a KW which they sell most of to California for a huge profit. So if by their own admission their cost to produce is between 6-14 cents how are they telling us/you they purchase for only 3.5 cents? (more lies cleverly concealed in numbers?) When roof top solar over produces there is no or little distribution as it goes to the next closest neighbor thus lowering power loss over transmission lines and lowering wear and tear on equipment, not to mention APS is able to sell "green energy" for a premium. Also when the solar customer gets his power back on the net metering rule it is generally at night which is the lowest cost to purchase power for APS, thus they are selling the power they didn't pay for or produce at between 15-29 cents a kw, and then giving back to the solar customer power at night which they purchase for the absolute lowest rate possible, but then claim it is not fair? Really? Sounds like another APS lie to me. It is clear APS wants to again monopolize the creation of Green energy by producing it themselves so they can justify more rate hikes, and push out roof top solar which benefits all APS electric customers. It is clear APS wants to have more customers solely dependent on APS for their power so the can justify more lines, more infrastructure, so they can show on paper the need to raise rates to make higher profits on the backs of the rate payer.

What I don't understand is how can APS produces far more power than SRP, yet charge on the average 30-40% more for the same power? If SRP is purchasing its power from other sources and charges much less than APS and still stays in business and make a profit why is it so essential for APS to make in excess of a 10% profit when the national average for a utility is a 4% profit margin. In any other industry if a company had a monopoly and profited two and a half times more than there competitors that would be considered gouging the customer, since in essence all of APS profit was generated by the rate payer who paid for the power plants, the lines and the everyday operation. (true APS makes a profit from power generation which they sell to outside sources, but the cost has come from the rate payer) APS is sticking it to the rate payers, to justify increasing infrastructure which they claim is for rate payers, but are playing their

cards to sell the power to other utilities which they can profit more from and which is generally not regulated by the ACC.

Please stop the APS gouging, stop their bullying, show them the ACC is in charge and don't buy the APS continual lies and tricks, I am counting on you to see through their lies. Keep solar the way it was designed and allow Arizona and its customers to benefit from solar by giving them the freedom to reduce the need for more production from APS, and keep costs in check. **Net metering needs to stay and the current system should remain unchanged, give APS a strong message we will not be bullied, or purchased through deceitful propoganda campaigns, not to mention the thousands of jobs in Arizona that are tied to the solar industry.**

Thanks for your time Susan I am counting on YOU to do the right thing for ME a voter and unfortunately and APS slave to their monopoly.

Thanks

Peter J. Fife

Coldwell Banker Residential Brokerage

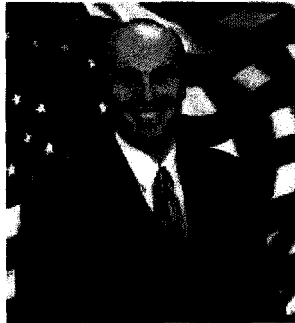
REO/Bank Specialist & Relocation Specialist

928-636-7000 Cell

1-888-321-1007 Fax

Peter@ListingPrescott.com

WWW.ListingPrescott.com



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Teresa Tenbrink

From: Peter Fife <Peter.fife@azmoves.com>
Sent: Saturday, November 09, 2013 11:18 PM
To: BitterSmith-Web
Subject: RE: docket number E-01345A-12-0290 APS debate over Solar

Dear Mrs. Susan Bitter Smith,

Thank you for your public service on the ACC, I am a conservative Republican and am all for competition and capitalism. I could care less about greenhouse emission and the whole global warming propaganda, but **I am all for solar and the current plan which should remain unchanged especially in the sunniest state in the union.** I am sick and tired of APS their excessive rates, and the continual lies (i.e. no we didn't fund any anti solar campaigns, then are busted and finally admit they did but didn't admit to how much or where that money came from? Rate payers?) Please protect me and my clients from APS big business monopoly and gouging. I am a full time realtor and have been so for 17 years. Please understand that APS has a long and checkered past, as seen recently by their false statements about paying outside companies to run anti solar propaganda pieces.

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Teresa Tenbrink

From: itsupport-no-reply@azcc.gov
Sent: Saturday, November 09, 2013 5:50 PM
To: BitterSmith-Web
Subject: Spam Quarantine Notification: 2 New



Dear bittersmith-web@azcc.gov: You have 2 NEW spam messages since November 10, 2013 12:33 AM (UTC)

The following is a list of messages that have been stopped by the Spam Quarantine email filtering service.

To recover a message to your Inbox, click the "**Move to Inbox**" link. If a message has been incorrectly identified as spam, click the "**Not Junk**" link. When you click the "Not Junk" link, the message will be recovered to your Inbox, and a **copy will be submitted to the FOPE Spam Team for analysis**. To read a spam message, click on the Subject and you will be directed to the Spam Quarantine login. After logging in, the message you clicked on will be displayed.

To change the language of this notification, go to Language Settings under Options page in [Spam Quarantine](#).

Messages are automatically deleted from Spam Quarantine after 15 days.

*The 'Not Junk' feature is not available for items filtered due to custom spam filter settings or for those who do not have permission to access Spam Quarantine.

	Sender	Subject	Date (UTC)	Size	Move to Inbox	Not Junk
1	<haaziqghazi22@gmail.com>	Investment Proposal	Nov 8, 2013 2:16 AM	6574	Move To Inbox	Not Junk
2	"FAke" <no@fakemail.com>	Real Net Metering Reform	Nov 9, 2013 8:46 PM	6668	Move To Inbox	

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Teresa Tenbrink

From: James Utter <jutteraz@gmail.com>
Sent: Saturday, November 09, 2013 5:39 PM
Subject: Protect Net Metering and Jobs

Dear Corporation Commissioner,

We are Arizona voters and utility customers and we are writing to urge you to protect net-metering.

Net metering ensures that solar customers like me receive fair credit for the valuable clean power we deliver to the grid for others to use during the day. It is one of the most important policy tools the Commission has for empowering homes, businesses, schools and public agencies to go solar, and to drive the growth of a successful Arizona industry.

Utilities in the state want Arizona to change its successful net metering program and I am highly concerned that this could result in not properly compensating customers for their valuable energy investments.

Home and business owners spend their own money to install systems that provide many benefits to the grid and other ratepayers. Net-metering also allows utility customers to make their own choices about where they get their electricity, what type of electricity they want and how much they're willing to pay for it.

My wife and I have taken the responsible step of adding solar to our home. We hope you will not succumb to pressure from the utilities to eliminate or reduce the incentive for others to do so. We urge you to protect net metering.

We cannot attend the planned rally on Nov 13, but please understand that we will be there in spirit to demonstrate for our belief that solar incentives for home owners to participate should be retained.

James and Eileen Utter
24607 S Rocky Brook Drive
Sun Lakes, AZ 85248
480-802-8300

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24607 S Rocky Brook Drive
Sun Lakes, AZ 85248
480-802-8300

Teresa Tenbrink

From: John Crane <johncrane11@gmail.com>
Sent: Saturday, November 09, 2013 4:57 PM
To: BitterSmith-Web
Subject: Betrayal of Trust

Dear Commissioner Bitter Smith,

A major consideration in making my decision to install PV was the existing net metering regulations. To change this would be a betrayal of that contractual arrangement.

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

John Crane

PO Box 1349
Camp Verde, Az 86322

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From: Kevin Brownsey <thesolarguyaz@gmail.com>
Sent: Saturday, November 09, 2013 4:01 PM
To: BitterSmith-Web; RBurns-Web; Burns-Web; Pierce-Web; Stump-Web; Utilities Div - Mailbox
Subject: Net Metering in AZ, referencing docket number E-01345A-12-0290

Dear Corporation Commissioner's,

I am an Arizona voter and utility customer and I am writing to urge you to protect net-metering in this state.

Net metering ensures that solar customers like me receive fair credit for the valuable clean power we deliver to the grid for others to use during the day. It is one of the most important policy tools the Commission has for empowering homes, businesses, schools and public agencies to go solar, and to drive the growth of a successful Arizona industry.

Utilities in the state want Arizona to change its successful net metering program and I am highly concerned that this could result in not properly compensating customers for their valuable energy investments.

Home and business owners spend their own money to install systems that provide many benefits to the grid and other ratepayers. Net-metering also allows utility customers to make their own choices about where they get their electricity, what type of electricity they want and how much they're willing to pay for it.

I urge you to protect net metering and I can't imagine a world where a Monopoly gets to dictate a person's choice or fair compensation for something they sell at a much higher price to everyone of their customers. I pray you make the correct call in regards to this topic, because this topic has a lot more going on than a price per Kwh reimbursement for a utility stock holder. This topic has to do with a better way of doing things, not just here in AZ, but around this entire globe! May god give you the strength and wisdom to make the correct call at this time. I urge you to do the right thing and not the political thing here!

Thanks,

Kevin Brownsey
Scottsdale, AZ 85255

Teresa Tenbrink

From: Kevin Brownsey <thesolarguyaz@gmail.com>
Sent: Saturday, November 09, 2013 4:01 PM
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Thanks,

Kevin Brownsey
Scottsdale, AZ 85255

Teresa Tenbrink

From: Ray Murdock <mmurdock232@cox.net>
Sent: Saturday, November 09, 2013 1:15 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: RE: Project Net Metering

I wanted to also point out that we (Roof Top Solar) users are not getting rich or passing cost back to non-solar users. I received a \$200 credit at end of year from APS for all solar sold back to them. This is about \$16/month. If this is five times the amount I should be getting \$3.20/month, than I think APS needs better management and stop paying such high salaries to there Executives. This is all about being a Monoply, nothing else.

From: Ray Murdock [mailto:mmurdock232@cox.net]
Sent: Friday, August 30, 2013 5:14 AM
To: 'pierce-web@azcc.gov'; 'burns-web@azcc.gov'; 'stump-web@azcc.gov'; 'BitterSmith-web@azcc.gov'; 'RBurns-web@azcc.gov'
Subject: RE: Project Net Metering

Here is my typical APS bill for August 2013, notice all of the electrical charges \$14.40. Other charges \$36.37 should be paid to me when we sell APS back our power generated from solar by using net metering?

Charges for electricity services

Cost of net electricity

Customer account charge	—————▶	\$7.14
Delivery service charge	—————▶	\$18.01
Environmental benefits surcharge	—————▶	\$5.64
System benefits charge		\$1.98
Power supply adjustment*		\$0.89
Metering*	—————▶	\$5.58
Meter reading*		\$1.86
Billing*		\$2.10
Generation of electricity on-peak*		\$0.00
Generation of electricity off-peak*	—————▶	\$14.40
Federal transmission and ancillary services*		\$3.47
Federal transmission cost adjustment*		\$4.32
LFCR adjustor		\$0.13
Cost of electricity you used		\$65.52

From: Ray Murdock [mailto:mmurdock232@cox.net]
Sent: Thursday, June 06, 2013 11:35 AM
To: 'pierce-web@azcc.gov'; 'burns-web@azcc.gov'; 'stump-web@azcc.gov'; 'BitterSmith-web@azcc.gov'; 'RBurns-web@azcc.gov'
Subject: Project Net Metering

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Net metering makes sense. If I have to buy electricity from APS at a certain rate, APS should be willing to pay me that same rate when my solar panels provide electricity to the grid. After all, APS just turns around and sells the power I produce to my neighbors.

APS is trying to make the case that Arizona should change its successful net metering program. If that happens, power bills for solar customers would go up. I have been a resident in Arizona for over 25 years and APS has not lowered my rates once. How often is APS allowed to raise rates?

I am concerned that changing net metering would stop my friends and neighbors from going solar. That would be bad for Arizona and Solar Industry. We've got so much sunshine; we'd be fools not to harness it.

Sincerely,

Raymond & Jennifer

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I am concerned that changing net metering would stop my friends and neighbors from going solar. That would be bad for Arizona and Solar Industry. We've got so much sunshine; we'd be fools not to harness it.

Sincerely,

Raymond & Jennifer

Teresa Tenbrink

From: Ken Creasy <kencreasy@yahoo.com>
To: BitterSmith-Web
Sent: Saturday, November 09, 2013 11:11 AM
Subject: Read: Fix Net Metering

Your message was read on Saturday, November 09, 2013 11:10:32 AM (GMT-07:00) Arizona.

Teresa Tenbrink

From: Ken Creasy <kencreasy@yahoo.com>
To: BitterSmith-Web
Sent: Saturday, November 09, 2013 11:11 AM
Subject: Read: Fix Net Metering

Your message was read on Saturday, November 09, 2013 11:10:32 AM (GMT-07:00) Arizona.

Teresa Tenbrink

From: imaconserv@q.com
Sent: Tuesday, November 05, 2013 1:10 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Fix net metering

We have solar panels for our second home here in AZ but we do not want the non-solar users to pay for any part of our decisions. We have regular electric service in Apache Junction but elected to have solar at our other home. No one should ever have to pay for another person's choices so we are urging that you do not support the Fix Net Metering. The progressives have already infringed upon many of our Rights and we as citizens must prevent any further intrusions. I am Arthur Fesler-Butts, along with my wife, Dr. Anne Fesler-Butts, are precinct committee people for the GOP in Pinal County. We have worked with John Fillmore, Todd House and John Acton over the past 13 years putting up your campaign signs, taking care of these signs throughout your campaigns and we have taken them down to return back to you for your next campaign. We are against shoving down the the public's throats any policies, taxes, new laws and any encroachment of our Rights. So, please vote against this proposition or whatever it is called. Arthur Fesler-Butts

--

Teresa Tenbrink

From: K Sholly <kasunltd@cox.net>
Sent: Saturday, November 09, 2013 10:57 AM
To: BitterSmith-Web
Subject: Net metering/solar reform

Dear Commissioner Bitter-Smith,

Please do NOT support the net metering reform that will make ME pay for my neighbor's choice of installing solar panels on his roof (which he will never pay off in his lifetime, but that's his statement and was his choice).

Barry Goldwater Jr and his group are wrong in wanting this reform to happen.

Insisting utility companies pay solar customers above market rates for the excess power is wrong.

How power is produced by utility companies should not be mandated by anyone. The customers of the utility companies certainly should not be "rewarded" or "punished" for the method the utility uses or doesn't use.

Please do NOT support this!

Kathleen Sholly
4102 W Topeka Dr
Glendale AZ 85308

Teresa Tenbrink

From: K Sholly <kasunltd@cox.net>
Sent: Saturday, November 09, 2013 10:57 AM
To: BitterSmith-Web
Subject: Net metering/solar reform

Dear Commissioner Bitter-Smith,

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Please do NOT support this!

Kathleen Sholly
4102 W Topeka Dr
Glendale AZ 85308

Teresa Tenbrink

From: JoAnna Naumann <topazbijou@cox.net>
Sent: Saturday, November 09, 2013 10:49 AM
To: BitterSmith-Web
Subject: To Oppose Obama/Sierra Club/Goldwater Scheme

Dear Commissioner Susan Bitter Smith,

Please stand up for fairness for Arizona' citizenry and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now.

Sincerely,

JoAnna Naumann
3306 E Jaeger Circle
Mesa, AZ 85213

Teresa Tenbrink

From: JoAnna Naumann <topazbijou@cox.net>
Sent: Saturday, November 09, 2013 10:49 AM
To: BitterSmith-Web
Subject: To Oppose Obama/Sierra Club/Goldwater Scheme

Dear Commissioner Susan Bitter Smith,

Please stand up for fairness for Arizona' citizenry and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now.

Sincerely,

JoAnna Naumann
3306 E Jaeger Circle
Mesa, AZ 85213

Teresa Tenbrink

From: Theresa Mann <mariemann24@yahoo.com>
Sent: Saturday, November 09, 2013 9:56 AM
To: BitterSmith-Web
Subject: NO Obama/Sierra club scheme!

Please stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now!

Sent from my iPhone

Teresa Tenbrink

From: Theresa Mann <mariemann24@yahoo.com>
Sent: Saturday, November 09, 2013 9:56 AM
To: BitterSmith-Web
Subject: NO Obama/Sierra club scheme!

Please stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now!

Sent from my iPhone

Teresa Tenbrink

From: Shirley Johnson <summerbreeze.mountainmeadows@yahoo.com>
Sent: Saturday, November 09, 2013 9:51 AM
To: BitterSmith-Web
Subject: Concerning Net Metering

Dear Commissioner Smith,

I don't pretend to understand completely the situation with net metering. It has been explained to me, that net metering is an attempt for those with solar panels to get paid for their contribution regarding producing electricity through their solar energy and getting paid above market value.

I think those that do produce solar energy, should get some remuneration, such as credit on their electric bill or some type of payment that is fair, and I would of course, be opposed to unfair charges to the rest of us who don't have solar panels.

Personally, I think solar is great and if I had the money to invest regarding putting solar panels on my roof, and my roof was capable of withstanding the weight (I have an old manufactured home), I would invest myself. I am in favor of clean sources of energy like solar.

I received an email from Senator Russell Pierce protesting unfair net metering, however it isn't my senator. For all I know it could be just some propaganda from some type of utility conglomerate. But i thought I would write to ask, that whatever the decision on this matter, that it will be fair for all concerned.

Thank You For Your Time,
Shirley Johnson

Teresa Tenbrink

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Sent: Saturday, November 09, 2013 9:51 AM
To: BitterSmith-Web
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Thank You For Your Time,
Shirley Johnson

Teresa Tenbrink

From: Zachary Reynolds <going10k@yahoo.com>
Sent: Saturday, November 09, 2013 9:21 AM
To: BitterSmith-Web
Subject: Net Metering Policy

Dear Susan Bitter Smith,

I am writing to encourage you to vote in favor of net metering in an effort to keep the balance needed in billing of power consumers. While early adopters of solar technology should rightfully benefit from the power being returned to the grid, the continuation of the current 3:1 ratio of the surplus dollars paid for the returned power is not sustainable. As more solar power users emerge, the cost to non-solar users will begin to increase exponentially. The non-solar users typically include the lower to middle class who can not afford the upfront cost of solar and will instead be, in effect, taxed for not having these upfront costs.

While an initial incentive may have been appropriate to encourage early adopters, this time is now past and a return to a fair market value for the returned power is needed.

Thank You,

Zach Reynolds
8529 W. Alex Ave.
Peoria, AS 85382

Teresa Tenbrink

From: Zachary Reynolds <going10k@yahoo.com>
Sent: Saturday, November 09, 2013 9:21 AM
To: BitterSmith-Web
Subject: Net Metering Policy

Dear Susan Bitter Smith,

I am writing to encourage you to vote in favor of net metering in an effort to keep the balance needed in billing of power consumers. While early adopters of solar technology should rightfully benefit from the power being returned to the grid, the continuation of the current 3:1 ratio of the surplus dollars paid for the returned power is not sustainable. As more solar power users emerge, the cost to non-solar users will begin to increase exponentially. The non-solar users typically include the lower to middle class who can not afford the upfront cost of solar and will instead be, in effect, taxed for not having these upfront costs.

While an initial incentive may have been appropriate to encourage early adopters, this time is now past and a return to a fair market value for the returned power is needed.

Thank You,

Zach Reynolds
8529 W. Alex Ave.
Peoria, AS 85382

Teresa Tenbrink

From: Kenneth Sul <orozona@westernexc.com>
Sent: Saturday, November 09, 2013 5:51 AM
To: BitterSmith-Web
Subject: Opposition to Goldwater's Scheme

I am requesting that you stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now.

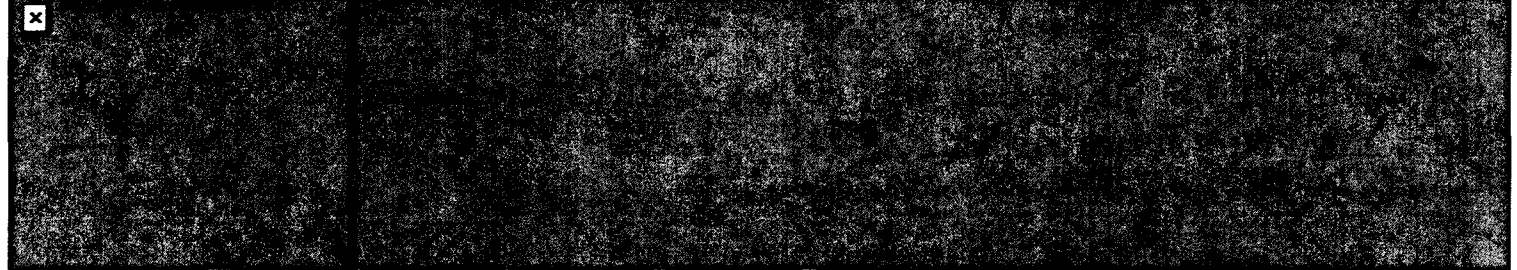
Sincerely, Kenneth J. Sul
Janet G. Sul

Residents of Cave Creek, AZ

Teresa Tenbrink

From: no-reply@web.RenewableEnergyWorld.com
Sent: Saturday, November 09, 2013 2:30 AM
To: BitterSmith-Web
Subject: Solar News Weekend Edition: Microinverters and the Future of Rooftop Solar

Register or Sign-In View Online Version Saturday, November 9, 2013



Renewable Energy Solar Energy Wind Energy Geothermal Energy Bioenergy Hydro

Listen Up: Let's Talk Microinverters and the Future of Rooftop Solar

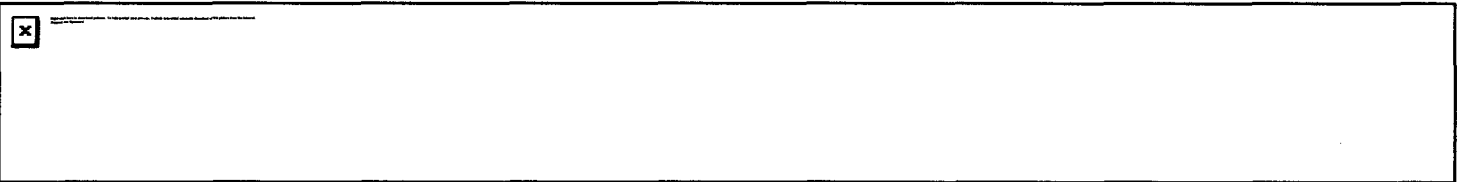


by *The Energy Show on Renewable Energy World* | November 8, 2013 | [Post Your Comment](#)



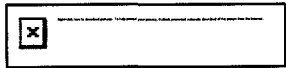
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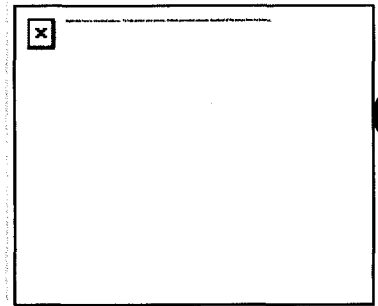
Exposure Taking Toll on Arizona Utility Monopolies

by *Dillon Holmes* | November 7, 2013 | **3 Comments**



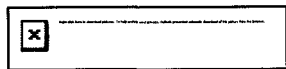
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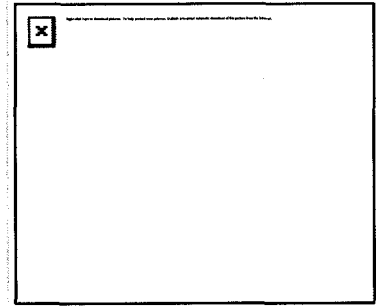
Crowdfunded Solar on Schools: Here's Your Chance to Make the Sun Shine for Kids

by *James Montgomery* | November 8, 2013 | **Post Your Comment**



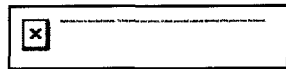
One of the biggest barriers to community-level renewable energy is access to capital. But increasingly we're seeing increased emphasis on crowdfunding efforts, from Dutch wind turbines to rooftop solar for housing complexes in the... [Full Article](#)

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Massachusetts Sets Itself Apart as Global Clean Energy Hub

by *Jake Rozmaryn* | November 7, 2013 | **Post Your Comment**



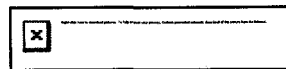
Massachusetts, a state filled with top-tier universities, is known for its entrepreneurial vision, history of innovation and spawning scientific advances. The technological gains have spread to the clean energy sector and helped e... [Full Article](#)

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Running Out of Precious Land? Floating Solar PV Systems May Be a Solution

by *Junko Movellan, Correspondent* | November 7, 2013 | **7 Comments**



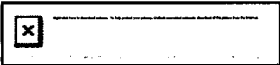
In June, a 1.18-MW PV system floating on a water reservoir became operational in Japan. The system called "Solar on the Water Okegawa" in Saitama prefecture is currently the biggest system of its kind in Japan. It was developed by... [Full Article](#)

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Yingli Solar Takes on World Cup with Global Solar Marketing Strategy

by *UnThink Solar, Tor 'Solar Fred' Valenza* | November 7, 2013 | **Post Your Comment**



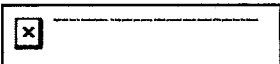
When Yingli Solar first sponsored football's World Cup in 2010, the most widely watched sporting event in the entire world, it seemed to be an odd — and expensive — marketing move for a solar PV manufacturer. We all know that sola... [Full Article](#)

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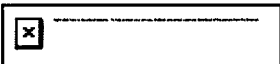
With several projects under its belt already, VLV Development is putting solar power on the roofs of multifamily affordable housing communities throughout Chicago and getting spectacular results. [Watch Video](#)

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New local energy partnership brings innovative solar tracker to Southwest Colorado

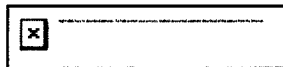
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This message was sent by [RenewableEnergyWorld.com](#)
98 Spitbrook Rd - Nashua, NH 03062 - United States of America

Teresa Tenbrink

From: Linda Doty <ldoty54@yahoo.com>
Sent: Friday, November 08, 2013 11:19 PM
To: BitterSmith-Web
Subject: NO to solar power subsidizing!

Dear Ms. Bitter-Smith -

I would like to ask you to please oppose the Obama/Sierra Club/Goldwater scheme to reform net metering and allow fairness to all Arizona ratepayers. It is outrageous to think that citizens who choose to or cannot afford solar panels for their homes would be asked to subsidize the same thing for their neighbor. Those who will profit from this extortion is a corrupt company in California and it is **WRONG!**

Sincerely,
Linda Doty

Teresa Tenbrink

From: Joseph Scott <josephlscott@hotmail.com>
Sent: Friday, November 08, 2013 9:32 PM
To: Burns-Web; BitterSmith-Web; Stump-Web; RBurns-Web
Subject: reforming Arizona's net metering law

Please stand up for fairness for ALL taxpayers by reforming Arizona's net metering law, now. You must oppose the outrageous Obama/Sierra Club/Goldwater scheme to get hand-outs of public money for private cronies.

Joseph L. Scott
7542 E. Lurlene Drive
Tucson, AZ 85730

Teresa Tenbrink

From: jarvis lehmann <jclehmannenter@yahoo.com>
Sent: Friday, November 08, 2013 9:27 PM
To: Stump-Web; BitterSmith-Web; Pierce-Web; RBurns-Web; Burns-Web
Subject: Fair net metering!

Fix net metering so that it's fair for all Arizonans!

Teresa Tenbrink

From: Joseph Scott <josephlscott@hotmail.com>
Sent: Friday, November 08, 2013 7:43 PM
To: BitterSmith-Web
Subject: Revising AZ net metering law

Please stand up for fairness for ALL taxpayers by reforming Arizona's net metering law, now. You must oppose the outrageous Obama/Sierra Club/Goldwater scheme to get hand-outs of public money for private cronies.

Joseph L. Scott
7542 E. Lurlene Dr.
Tucson, AZ 85730

Teresa Tenbrink

From: Larry L. Johnson <llj0910@gmail.com>
Sent: Friday, November 08, 2013 6:47 PM
To: BitterSmith-Web
Subject: Net-Metering

Dear Corporation Commissioner,

I am an Arizona voter and utility customer and I am writing to urge you to protect net-metering.

Net metering ensures that solar customers like me receive fair credit for the valuable clean power we deliver to the grid for others to use during the day. It is one of the most important policy tools the Commission has for empowering homes, businesses, schools and public agencies to go solar, and to drive the growth of a successful Arizona industry.

Utilities in the state want Arizona to change its successful net metering program and I am highly concerned that this could result in not properly compensating customers like myself for their valuable energy investments.

Home and business owners spend their own money to install systems that provide many benefits to the grid and other ratepayers. Net-metering also allows utility customers like myself to make their own choices about where they get their electricity, what type of electricity they want and how much they're willing to pay for it.

I urge you to protect net metering.

Thank You

Larry L Johnson

Teresa Tenbrink

From: Jamie Michael Kern <jamiekern@gmail.com>
Sent: Friday, November 08, 2013 4:49 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: Laurie Woodall; David J. Peterson
Subject: for consideration to docket E-01345A-13-0248 (APS net-metering)
Attachments: Scottsdale Unified Schools Superintendent - RUCO.pdf; AZ residential electric ratepayer primary interests.pdf

Dear commissioners and staff,

Please find attached 2 PDFs:

- 1) A letter from Scottsdale Unified Schools Superintendent Dr. David J. Peterson, read at the May 29,2013 RUCO workshop, in opposition to APS proposals.
- 2) A summary of 5 surveys regarding Arizona residential ratepayers' primary interests, and their key role in the current net-metering discussion.

Please read, consider, and docket prior to Wednesday's open meeting.

Thank you,

Jamie Michael Kern
602-492-5376

Teresa Tenbrink

From: Connie Witt <cnnwitt@gmail.com>
Sent: Friday, November 08, 2013 4:10 PM
To: BitterSmith-Web
Subject: SOLAR POWER FIX NET METERING

What happened to the fair honest America that I used to know. This is not fair to the homeowners in Arizona who __do not have__ those ugly panels on the roof.

Homeowners who have the panels were promised a certain rate of return for extra power. That promise DOES NOT HAVE, anything to do with the other homeowners, PERIOD.. Now we reject the notion that we, the none Panel owners, have to pay for that promise.

DO NOT go along with the California desires. We are willing to pay our share, Which is what we have paid all along, and NOT A DIME MORE.

BE FAIR TO ALL on this net metering situation.

Sincerely,
William & Connie Witt

Teresa Tenbrink

From: Sleepwboss@aol.com
Sent: Friday, November 08, 2013 3:32 PM
To: BitterSmith-Web
Subject: Pls. Don't Make me Pay More for Net Metering

Dear Commissioner BitterSmith:

Please do not raise our bills more to pay for Net Metering! It is not fair to those of us who do not have solar panels. Please be fair when setting rates.

Lee Ann Aronson
6305 W. Del Rio St
Chandler, AZ 85226

Teresa Tenbrink

From: Robert Binkley <rlbinkley@earthlink.net>
Sent: Friday, November 08, 2013 3:16 PM
To: BitterSmith-Web
Subject: Unfair Practices by APS Toward Solar Users
Attachments: APS Anti-Solar Letter (Nov 5, 2013).pdf; ATT00001..htm

Ms. Bitter-Smith:

Good afternoon.

I just received the attached letter from APS today. They are saying that they have reversed their position on the non-transferable aspect of their grandfathering proposition of allowing a 20-year waiver for net-metering. This does not relieve the new solar customers from the "solar tax" that APS wants the AZCC to approve. APS still feels that solar users do not pay their fair share but I believe we all disagree with this statement.

We do pay our fair share and most of us were incentivized by APS to put solar on our rooftops in the first place. This was the result of a government requirement for APS to provide a certain percentage of power to the grid from alternative sources; incentivizing their customers to build arrays on their rooftops and connecting them to the grid was APS' idea and reaction to this regulation. Therefore, APS should bear the responsibility on figuring out a way to continue to finance their infrastructure fairly across the board and should then present their revised plan to the AZCC for approval.

We already pay many taxes and fees as part of our energy bills that were put in place to finance infrastructure and environmental costs. If done properly in the first place, APS should have figured these costs into their business model and included them in their kilowatt-hour costs to their customers.

I think we can all see where this is going. I hope you will all support the movement against this unfair treatment of solar users.

Thank you,

Robert Binkley
Environmentally-Responsible Solar User

Teresa Tenbrink

From: robert lahr <rjlahr@yahoo.com>
Sent: Friday, November 08, 2013 1:59 PM
To: Burns-Web
Subject: Solar subsidy

Commissioners & Chairman,

Please! stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now.
You can't let this happen.

Sincerely,
Robert Lahr

Teresa Tenbrink

From: Douglas Shaw <docshaw1@yahoo.com>
Sent: Friday, November 08, 2013 1:54 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: "net metering."

Dear Commissioners: I am writing to oppose the imposition of Net Metering upon the citizens of Arizona. This **rule forces utility companies to pay solar customers for excess power their solar panels produce at a higher rate than the market dictates**. Another major problem is that net metering **forces homeowners that don't use solar to pay for those that do**. Even worse, this benefits California solar companies, like SolarCity, by forcing you to subsidize their profits. This is clearly unfair and anti open market. If solar power is to be of a benefit to the citizens of Arizona it has to be able to compete like conventional power. Making conventional power users pay for the solar power will only make solar power dependent upon the very supplier it is designed to replace. That design can never work. Unless solar can compete on its own it remains a bad idea.

Please give this careful consideration. The Goldwater , jr. support group is misled and is not in keeping with traditional Republican values. They appear to be RINOs in the worst meaning of that term. This plan is supported by Obama and his ilk. That alone should make it a poison pill for free market supporters. This rule must be refused by the commission to keep competition the major force in pricing in the energy market. if you want solar panels on your rooftop, go ahead. But don't make your neighbor pay for it!

No true conservative Republican would back this rule.

Thank you for your consideration,
Douglas R. Shaw
Phoenix, Arizona
In God We Trust

Teresa Tenbrink

From: Peter Blackman <azpblackman@gmail.com>
Sent: Friday, November 08, 2013 1:07 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Changing Net Metering Policy

Dear Member of Arizona Corporation Commission;

There is a TV ad out there that says people with rooftop solar are shifting the burden of the cost of distributive electric power generation from people with solar to none solar users.

My take on this is **changing net metering policies** will only make the use of rooftop solar less desirable and if less people get rooftop solar the power companies will have to build more power plants to meet the need for power and thus make more pollution. Everybody loses when more power plants are built because everyone has to pay for more new power plants and the power plants end up making more money which is what they want to do anyway.

In the end more people will go off the grid and then power companies will end up losing in the long run. New technology is being developed that does not require batteries to go off the grid and will make rooftop solar obsolete.

Peter Blackman, Retired Electrical Engineer
602-321-9900
<http://futureofhomebuilding.com>

[RBurns-
web@azcc.gov](mailto:RBurns-web@azcc.gov)

--

Peter Blackman
602-321-9900
<http://futureofhomebuilding.com>

Teresa Tenbrink

From: pyblitz@aol.com
Sent: Friday, November 08, 2013 12:16 PM
To: Burns-Web; BitterSmith-Web; Pierce-Web; Stump-Web; RBurns-web@azccc.gov
Subject: Solar netmetering

Dear commission members,

Please vote to fix this solar net metering to make it apply fairly to all. What is currently being proposed with the backing of the liberals is not a fair and ethical way to treat people. I say that those who want solar power should have it but not expect others to pay for it.

Thank you.
Pamela Uveges
Trilogy resident
Peoria, Az

Teresa Tenbrink

From: Wayne F. Hall <wfhall@aol.com>
Sent: Friday, November 08, 2013 12:09 PM
To: BitterSmith-Web
Subject: Docket # E-01345A-12-0290 NET METERING

Sir, I urge you to support Net Metering and to REJECT the APS proposal

Wayne F. Hall
Casa Grande, AZ
520 836-8580

Teresa Tenbrink

From: johnpax18@aol.com
Sent: Friday, November 08, 2013 11:52 AM
To: BitterSmith-Web
Subject: Reform Net Metering

Dear Commissioner;

Please stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now.

Thank You.

Teresa Tenbrink

From: Richard Shanas <rhshanas@sbcglobal.net>
Sent: Friday, November 08, 2013 11:29 AM
To: BitterSmith-Web
Subject: Sierra Club

stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now

Teresa Tenbrink

From: Greg Field <gregjfield@gmail.com>
Sent: Friday, November 08, 2013 10:53 AM
To: Susan Bitter Smith; BitterSmith-Web
Subject: Net Metering Changes

Susan

You have been great at responding to my questions and concerns regarding net metering and I thank you for your honesty and quick responses. I have a question/consideration for the commission regarding net metering. Would it be smart to change net metering now while there is a 30% federal tax credit available or should we get more aggressive the next two years with rooftop solar before the credit expires to meet the 20% goal by 2025. Changing net metering now seems foolish and very likely would require a higher APS customer subsidy to make up the expired federal credit to keep on pace for or the 2025 requirement. Since you are the only commissioner that responds to my inquiries can you please pass this on to the rest of the commission? I really appreciate your hard work on this issue and am looking forward to speaking with you next week at the hearing.

Respectfully,

Greg Field
602.363.7327 Cell
480.365.0957 Fax

Teresa Tenbrink

From: Ben Peters <bpeters@recsolar.com>
Sent: Friday, November 08, 2013 9:50 AM
To: BitterSmith-Web
Subject: Please Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Hello - can you Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Ben Peters

18 Main street
Phoenix, AZ 85003

Teresa Tenbrink

From: Tom Broderick <tbbflag@npgcable.com>
Sent: Friday, November 08, 2013 9:07 AM
To: Utilities Div - Mailbox; RBurns-Web; Stump-Web; Burns-Web; Pierce-Web; BitterSmith-Web
Subject: APS net metering case E-01345A-13-0248 comments
Attachments: solar letter 11-8-13.docx
Importance: High

Commissioners:

Please attached find my comments on this case you will decide next week. I am urging you to not make any changes to the net metering arrangements until 2016 when rooftop solar may stop adding units nationally. There are also several other reasons to not alter this arrangement at this time.

Tom Broderick
4279 E. Coburn Dr.
Flagstaff, AZ 86004
928-527-8036

Teresa Tenbrink

From: Anthony Helmstetter <Anthony.Helmstetter@offmadisonave.com>
Sent: Friday, November 08, 2013 8:55 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Do not kill solar...

Referencing docket number **E-01345A-12-0290**

Corporation Commissioners,

I am unable to attend the November 13th meeting, but I wish to express my strong support for net metering and abject disapproval of an additional solar tax. As an Arizona resident and roof-top solar owner, I still pay a significant amount of utility taxes and fees, far in excess of my actual monthly electricity consumption. APS has behaved irresponsibly with regards to its media and public relations campaign; their intent is disingenuous and I **STRONGLY** request their poor posturing not be rewarded with an additional \$2 billion dollar subsidy on the backs of Arizona taxpayers.

If I could be there next week, I would. Please confirm my voice has been heard.

Respectfully,

Anthony Helmstetter
Phoenix, AZ



Anthony Helmstetter
Interactive Services

Anthony.Helmstetter@offmadisonave.com
Main Line: **480.505.4500**
Direct Line: **480.505.4513**



Send large files using my secure ShareFile account.

Teresa Tenbrink

From: Steven.Neal@faa.gov
Sent: Friday, November 08, 2013 7:46 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Cc: radar4ever@live.com
Subject: Please don't let APS steal from us!

Referencing docket number **E-01345A-12-0290** for next Wednesday, please allow no-cost "**net metering**" for residential solar arrays that may occasionally produce enough electricity to supplement neighbors' power requirements and therefore decrease demand on APS.

I understand that APS has proposed user fees / taxes to offset their potential revenue loss or to pay for electrical grid upgrades to ensure APS technician safety when end-users supply power back to the grid. A homeowner's residential meter may stop and even run backwards mid-day in winter months, and this potential "credit" is part of the power users investment plan to eventually "break-even" on the HUGE cost of installing and maintaining their home solar system. It will take the average solar resident 14 years to recoupe the cost of their solar array, and they must pay for replacement panels every 15 years. To tax us or charge power re-sale or redistribution fees unfairly cuts into each power customer's bottom line without regard to years of planning and decades of expected solar cost returns. Please deny APS's request to take advantage of its customers.

Thank you for your time and consideration, and we'll all be out front by your ACC flag pole (near the TV news cameras) if you have any specific questions for APS customers...

Steve Neal / FAA Radar Tech
Phoenix Sky Harbor Radar / Automation
(602) 376-7305

Teresa Tenbrink

From: David Bear <dwbear75@gmail.com>
Sent: Friday, November 08, 2013 7:26 AM
To: Burns-Web; rburns-web@azcc.gov; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: net metering and solar tax

I have been disappointed by recent adds claiming to represent conservative voices related to the proposed increase by the utility companies to cover solar production. There is a one sided representation of the ideas and a complete misrepresentation of reality.

I urge more open and complete debate related to energy policy. While solar energy may seem attractive from an environmental perspective, it does indeed represent a big liability on everyone because while the sun sets every night, energy use doesn't stop.

I hope the corporation commission will open debate on a 'de-regulated' power grid and force the utility companies to follow separating accounting rules for power generation and power deliver. The only way to allow alternative energy sources to compete in a fair market is to separate the regulation of power generation from power delivery.

All the reasons for granting regulated monopoly status for power deliver still exist; in other words the cost of laying the power lines is so high, and the possibility for competitive power delivery so low, that this is one sector of the energy industry that still needs to be regulated.

However, the ways of generating new power from alternative sources have expanded. The only way to make a market for new forms of power is to separate the businesses so that that public may continue to regulate power delivery and open up power generating businesses to a competitive market place.

Please, think beyond the 30 second spot commercials that the vocal interests groups are running, and begin a lively and informed debate on the merit of a deregulated power industry.

--

David Bear
mobile: (602) 903-6476

Teresa Tenbrink

From: Brian Korn <brian.d.korn@intel.com>
Sent: Friday, November 08, 2013 2:41 AM
To: BitterSmith-Web
Subject: Continue Net Metering due to avoidance and economics of transmission loss

Dear Commissioner Bitter Smith,

There has been lots of discussion about net metering's fairness and corporate greed. I would like to illuminate the discussion with a little science and some economics. Centralized grid based power generation has a transmission loss of about 7% (higher in summer when our power comes from a much longer distance). Due to this fact, APS (and other utilities) charge 100% of grid & generating costs plus a profit margin but only deliver ~93% of the power generated. In contrast, micro-generated (rooftop) solar power transmission loss is near 0% as it is consumed within the neighborhood it is generated.

While micro-generation of solar power is within this transmission loss APS essentially makes money. APS sells rooftop generated lossless solar power at full price (in essence a 7% markup compared to centralized generation) and then APS benefits by reducing the amount of resources they need to generate power that is subjected to the 7% transmission loss.

Once micro-generation of power is above the centralized power grid loss percentage all of Arizona will benefit from the near lossless locally produced power that is more immune from power issues in other states. At the end of the day, micro-generated solar does much to benefit both the efficiency and reliability of the Arizona's power grid. As such, net-metering is the best economic arrangement for both the producer and consumer of electricity alike.

Thanks for your consideration,

- Brian Korn

Reference: <http://www.eia.gov/tools/faqs/faq.cfm?id=105&t=3>

Sincerely,

Brian Korn

1724 E South Mountain Ave
Phoenix, AZ 85042

Teresa Tenbrink

From: Kathleen <kbrfnp@yahoo.com>
Sent: Thursday, November 07, 2013 9:34 PM
To: BitterSmith-Web
Subject: Arizona as leaders in Solar

Please support the ACC utility division's recommendation to REJECT APS's proposal to immediately alter net metering. Please reject this proposal until the facts regarding the benefits to the state politically, economically and environmentally have been addressed in appropriate workshops with stakeholders.

The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

I received a letter a few months ago stating that I have not done enough for the common good in Arizona and should not expect any benefit personally for paying over \$30,000.00 for solar panels on my roof. That investment is not readily reimbursable when I sell my home because there are few "comps" in the market to compare value of my home over others without solar. To compensate for that, I have an edge currently by showing the potential buyer the APS bill and the month by month benefits of owning solar. This one tiny advantage coupled with a clean renewable source of energy on my home will be lost if APS is allowed to convince the ACC of dishonest propoganda and allegations that devalue this very important product. Arizona has the opportunity to be true leaders in this renewable fuel future.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Kathleen Benjamin Rickard

Teresa Tenbrink

From: nunes14@yahoo.com
Sent: Thursday, November 07, 2013 8:55 PM
Subject: Docket Number E-01345A-12-0290 - Solar

To suggest I am clearly disappointed might be a mild statement, but rather disgusted by the attack ads on TV and other media and how Solar has become such a contentious issue in our state. It is a no brainer and current system is fair. Solar is a very small part of the revenue stream of both APS and SRP and the net metering effect even smaller.

It seems like APS and shortly behind it SRP are attacking its own customers. Solar is crucial for our state and so long as both SRP and APS seem to have little incentive to bring their renewal quotas to a reasonable level, they should not be allowed to change the net metering policies that are currently in place. Clearly they are acting as a MONOPOLY and guess if they do not like the current revenue arrangement its time to switch midstream.

I am hopeful that the Corporate Commission, the various commissioners and the Utilities board ensure they are serving the public at large and not the special interests and the large corporations.

Thank you for your service

J Nunes

Teresa Tenbrink

From: solaronesw@gmail.com on behalf of Brandon@SolarOneSW.com
Sent: Thursday, November 07, 2013 1:51 PM
To: Brandon@SolarOneSW.com
Subject: One week to protect rooftop solar in AZ

Friends,

Next week your elected energy commissioners at the Arizona Corporation Commission (ACC) will vote on the future of rooftop solar energy.



The decision in question is whether to dismantle one of our most important solar customer rights: net metering. This program gives Arizona solar customers fair credit for the valuable clean power they put on the grid for the utility to resell to other customers. This common-sense program is widely supported by Arizona homes, businesses – and even the ACC's own staff, which formally recommended that the Commission reject immediate changes to net metering.

But it's not over yet: APS views solar generated by its customers as a threat to its monopoly business, and the utility is fighting back. The energy behemoth even admitted to funding shady front groups to try to convince the public that rooftop solar is a bad deal. APS's misinformation campaign is nothing more than a thinly veiled profit protection plan from a monopoly that wants to stop competition – even if it means turning on its own customers.

Tell the ACC to stand strong against APS's anti-consumer shenanigans and protect Arizona solar rights.

Brandon Anderson
SolarOne Energy Group
Photovoltaic Design Specialist
Sedona: 928-282-2569
Cottonwood: 928-634-2206
Prescott: 928-445-3737
Cell: 928-300-7740
fax: 928-634-2207
www.SolarOneSW.com

*If you wish to be removed from my personal email list,
just respond "Remove"
Thanks!*

Teresa Tenbrink

From: Ryan Walmsley <walmsley1108@gmail.com>
Sent: Thursday, November 07, 2013 1:33 PM
To: BitterSmith-Web
Subject: URGENT***Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Ryan Walmsley

8266 W Eugie Ave
Peoria
Peoria, AZ 85381

Teresa Tenbrink

From: Marco Duran <maduran@me.com>
Sent: Thursday, November 07, 2013 1:26 PM
To: BitterSmith-Web
Subject: SOLAR IS A MUST HAVE!! Approve Staff's Recommendation to Continue Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

Marco Duran

2157 S Ponderosa Dr
Gilbert, AZ 85295

Teresa Tenbrink

From: LINDA MERRITT <LINDA.MERRITT@GMAIL.COM>
Sent: Thursday, November 07, 2013 12:20 PM
To: BitterSmith-Web
Subject: Approve Continuation of Net Metering (docket E-01345A-13-0248)

Dear Commissioner Bitter Smith,

Please support the ACC utility division's recommendation to reject APS's proposal to immediately alter net metering. Staff argues that proposals to change this important policy should be dealt with in future rate cases.

I also support their recommendation to use this interim period until the next rate case to hold workshops with all stakeholders, "to help inform future Commission policy on the value that DG installations bring to the grid." The goal of the workshops should be to develop a standardized methodology for assessing the value of distributed solar generation.

All other proposals on the table massively undervalue the benefits of rooftop solar. Private investment in local solar power delivers numerous financial benefits: savings on expensive and polluting conventional power; reduced investments in transmission and distribution infrastructure; reduced electricity lost during transportation over power lines; and savings on the cost of meeting carbon reduction and renewable energy goals. Recent independent analysis found that these benefits of net metered power outweigh the costs, with a total net value of \$34 million in annual grid benefits starting in 2015.

Please reject all proposals to alter net metering until a Commission-led workshop process assesses the true value of this resource.

Sincerely,

LINDA MERRITT

3352 N GARDEN LANE
AVONDALE, AZ 85392

Teresa Tenbrink

From: Brad Fobar <Brad.Fobar@nau.edu>
Sent: Thursday, November 07, 2013 10:29 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: referencing docket number: E-01345A-12-0290, I support net-metering and solar.

It is important to encourage solar energy in Arizona, and it is important to encourage small businesses to compete with APS in power generation.

Brad Fobar

Teresa Tenbrink

From: donald tobin <dtobin_47@yahoo.com>
Sent: Thursday, November 07, 2013 9:21 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: APS Solar request

Commissioners,

My name is Don Tobin and my wife and I are homeowners in Surprise, AZ. I believe that APS is stating only one side of the issue. I believe that they want their cake and want to eat it too. They are ignoring the fact that the increase in Solar panels in Arizona will allow them to provide electricity to their customers without the need to build additional generating stations. This will cut future expenses thus increasing their net earnings down the road. On top of this they want to gouge their solar customers by cutting their credits on excess electricity generated by solar panels/systems. I already get aggravated when I look at my APS bill and see the following charges:

Environmental benefits surcharge:	\$9.33	
Systems benefits charge:	6.01	
Power supply adjustment:	2.69	
Meter Reading:	1.98	Now read in the office

and not at the house

Federal transmission cost adjustment:	13.09	
LFCR adjustor:	0.65	
Franchise fee:	6.55	

This is over \$40 per month that that I am charged every month for surcharges, adjustments, fees, etc. I think that APS which has a monopoly in my area is already gouging its customers enough.

I believe that APS views this as another opportunity to increase its bottom line. I don't mean hold their bottom line I do mean increase it. Solar energy is a way to meet future energy needs without the additional expense of generating plant construction. This is viewed by APS as strictly restricting their revenue growth which of course will impact their shareholders - God forbid that should happen.

We moved to AZ from California - I remember one spring when a hotter than usual summer was projected, Southern Cal. Edison and the other electric companies asked all of its customers to conserve electricity so that there wouldn't be any brown outs, etc. Well low and behold people did conserve energy. So in the fall the electric companies went to the PUC in California and asked for a surcharge

because (wait for it) consumer consumption during peak periods had been too low and corresponding revenues had been adversely impacted (too low). Not only did they not have to start building additional generating plants but they also wanted a surcharge so that they could meet the operating goals and expectations of their shareholders.

I believe APS is finding itself in a similar fix. Their shareholders are concerned so lets gouge our customers anyway we can. Please do not let APS change the net-metering method in any way.

Thank you.

Don Tobin
Surprise, AZ

Teresa Tenbrink

From: Gerda DeRiemacker <clauss@cox.net>
Sent: Tuesday, November 05, 2013 6:24 PM
To: BitterSmith-Web

Dear Madam

As on Arizonan utility customer I totally oppose subsidizing solar companies at my expense .

Please fix net metering so that it is fair for all utility customers.

Sincerely Gerda DeRiemacker

Teresa Tenbrink

From: davlizscbr@aol.com
Sent: Thursday, November 07, 2013 6:13 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Cc: nbarto@azleg.gov; hcarter@azleg.gov; jallen@azleg.gov
Subject: APS Net Metering Rate Increase

Dear Arizona Corporation Commission Members:

We are opposed to the net metering rate increase APS has requested for solar customers and strongly recommend and urge you to vote against it.

As solar homeowners we invested a great deal of money with an agreement with APS. Per our contract, number 9, they have benefitted with "exclusive title to and ownership of all such environmental credits, benefits, emissions reductions, offsets and allowances attributable to the generation of energy from" our PV system. APS is required to produce a percentage of renewable energy and we have assisted in making that possible.

We are paying the going rate for energy used during cloudy days and nights just like every other utility customer, while putting no strain on the system during peak times when it is sunny, negating the need for APS to build additional infrastructure to support our needs. APS is using a false argument and false logic to further profit at our expense and contrary to our contract.

Your fiduciary responsibility is to utility customers, not private interests who wish to increase their rate of return for themselves and stockholders. The "free market" is insisting and demanding an increase in solar usage for a variety of reasons, not the least of which is to be good stewards of the earth, not to mention the well paying jobs it is creating in Arizona and globally. Other states and countries recognize this, as should you. Your responsibility should be to increase the use of solar power in every way possible, not to kill an important and growing industry. Take a trip to other countries. We recently visited Italy and their country sides are covered with massive solar installations, as ours should be.

Again, as our representatives, we implore you to vote against this APS rate increase for solar customers. It is unnecessary and an irresponsible threat to the state's economic development. We encourage you to do everything in your power to make Arizona a leader in solar energy.

Sincerely,

Dave and Liz Collins
Cave Creek, Arizona

Teresa Tenbrink

From: Merrienne Geisdorf <merrianneg@yahoo.com>
Sent: Thursday, November 07, 2013 1:42 AM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Abandon current net metering policy

Greetings!

We strongly urge the Arizona Corporation Commission to abandon the current net metering policy and strongly encourage the adoption of a new rate structure for residential rooftop solar customers that would fairly apportion electrical grid maintenance costs to ALL customers and end the current unfair cost shift to non-solar utility customers.

We are not interested in solar panels and don't appreciate being forced to help pay for someone else's solar energy.

Merrienne Geisdorf
LD25 Precinct and State Committeeman
East Valley Tea Party Member

MAG's Bookkeeping, Etc.
Cell: 480-225-0720
Phone & Fax: 480-654-2062

"Firemen inherit messes, too, but they don't throw gasoline on the fire!"

"Some say we shouldn't have fought because we couldn't win, but this country wasn't built by fighting only when victory was absolutely certain." - Sen. Mike Lee

Teresa Tenbrink

From: artisanmetal <artisanmetal@gmail.com>
Sent: Wednesday, November 06, 2013 9:59 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: FOR Solar energy in Arizona referencing docket number: E-01345A-12-0290

Sirs:
I support net-metering and solar in Arizona. Solar makes sense in Arizona.

Thank you.

Timothy Quigley
Flagstaff, Arizona

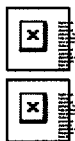
referencing docket number: E-01345A-12-0290

Teresa Tenbrink

From: Dorothy Riley <bostongal105@gmail.com>
Sent: Wednesday, November 06, 2013 8:00 PM
To: Bburns-web@azcc.gov; RBurns-Web; Pierce-Web; Stump-Web; BitterSmith-Web
Subject: Support Solar Energy

Please do not eliminate net metering or require solar users to pay more for this type of energy. I have included the league of Women Voter of greater Tucson positions on solar energy. Thank you.

Dorothy E Riley
1852 N Spanish Moss Ave.
Tucson, Arizona 85715
520-722-9875 (HOME)
bostongal105@gmail.com



Support Solar Energy

The League supports a variety of energy sources with a predominant reliance on renewable resources. The League supports policies to reduce energy demand and minimize the need for new generating capacity through techniques such as marginal cost or peak-load pricing or

demand-management programs. The League of Conservation Voters has urged appropriate levels of government to encourage the development of renewable energy resources and energy conservation through development, financial incentives, rate setting, and regulatory standards.

The largest utility in the state, Arizona Public Service, has proposed to either eliminate net metering or require solar customers to purchase electricity for their electricity. Solar energy is valuable because it is most abundant during the hours of highest demand hours, when the sun shines and runs the air conditioning when natural gas power costs as much as 20 cents per kilowatt-hour. If you don't have solar it helps, by reducing the demand.

Most utilities in Arizona are currently requiring solar panels at the same retail rate that you would pay for electricity called net metering. If the utility was allowed to charge a net metering electricity rate of 3 cents instead of 10 cents per kilowatt-hour, the rate would skyrocket. Net metering does not raise the cost to the entire system.

Teresa Tenbrink

From: irisheyes3@cox.net
Sent: Wednesday, November 06, 2013 7:57 PM
To: Burns-Web; RBurns-Web
Cc: BitterSmith-Web; Pierce-Web
Subject: Fairness in net metering

Dear commissioner:

Please stand for fairness and oppose Obama/Sierra Club/Goldwater scheme by reforming net metering now.

Thank you,
Karen Gevaert
citizen of Mesa, Az.
irisheyes3@cox.net

From: Dorothy Riley <bostongal105@gmail.com>
Sent: Wednesday, November 06, 2013 7:50 PM
To: Bburns-web@azcc.gov; Stump-Web; RBurns-Web; Pierce-Web; BitterSmith-Web
Subject: Support Solar power

2 of 153

2 of 153



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**LEAGUE OF WOMEN VOTERS®
OF ARIZONA**

November 1, 2013

Support Solar Energy

The League supports a variety of energy sources with a predominant reliance on renewable resources. The League supports policies to reduce energy demand and minimize the need for new generating capacity through techniques such as marginal cost or peak-load pricing or demand-management programs. The League supports action by appropriate levels of government to encourage the use of renewable resources and energy efficiency for research and development, financial incentives, and mandatory standards.

The largest utility in the state, Arizona Public Service, should either eliminate net metering or require solar customers to purchase their electricity. Solar energy is valuable because it is most abundant during the hours of highest demand.

demand hours, when the sun shines and runs during the day, when natural gas power costs as much as 20 cents per kilowatt-hour. If you don't have solar it helps, by reducing the cost of electricity during peak demand hours.

Most utilities in Arizona are currently requiring solar panels at the same retail rate that you pay for electricity, a practice called net metering. If the utility was allowed to charge a net metering electricity rate of 3 cents instead of 10 cents per kilowatt-hour, the cost would skyrocket. Net metering does not raise the cost to the entire system.

Teresa Tenbrink

From: Sara Selman <sara.selman77@gmail.com>
Sent: Wednesday, November 06, 2013 6:13 PM
Cc: Sara Selman
Subject: Net metering support

Please support net-metering and solar in Arizona. I am referencing docket number: E-01345A--12-0290

Net metering is a fair way for solar customers to get the same credit for energy they make for APS (that APS then sells to their neighbors). Solar customers already pay just to use the grid, even if they produce more than they use.

Solar makes sense for Arizona! Please don't kill residential solar.

Jason and Sara Selman

Teresa Tenbrink

From: Zanger, Paul, VSOPHNX <paul.zanger@va.gov>
Sent: Wednesday, November 06, 2013 5:05 PM
To: BitterSmith-Web
Subject: PLEASE STOP NET METERING!

Dear Conservative Friends:

I'm writing you today about a critical issue facing our state.

You may have heard or seen some stories recently about the future of solar power in the State of Arizona. A group pretending to be conservative Republicans and speaking for conservative Republicans statewide have been trying to stop the Arizona Corporation Commission from reforming solar "net metering."

Net metering is a technical term for a rule that **forces utility companies to pay solar customers for excess power their solar panels produce at a higher rate than the market dictates.** Another major problem is that net metering **forces homeowners that don't use rooftop solar to pay for those that do.** Even worse, this benefits California solar companies, like SolarCity, by forcing you to subsidize their profits.

This is unfair.

The group, led by Barry Goldwater, Jr., is trying to convince Arizona residents that subsidizing solar companies at the expense of non-solar customers is a good idea. **The real money behind this scheme are the same California solar companies that are currently under investigation by the federal government and are being sued in a class-action lawsuit in that same state.**

And who are the biggest cheerleaders behind this solar net metering scam? Barack Obama and the ultra-liberal Sierra Club. That's right. Barack Obama's advocacy group, *Organizing for America*, and the Sierra Club have come out in full support of this net metering scheme.

What self-respecting "Republican" would ally himself with the likes of Obama and the Sierra Club? If you like what Obama did for healthcare you will love what these folks will do for Arizona taxpayers.

The Arizona Corporation Commission will soon decide this issue. It is critical for us as conservatives to let the all-Republican Arizona Corporation Commission know we are opposed to Barry Goldwater, Jr.'s scheme to line the pockets of corrupt California companies at the expense of Arizona ratepayers and to reform net metering now.

The real conservative position is this: if you want solar panels on your rooftop, go ahead. But don't make your neighbor pay for it!

What Barry Goldwater, Jr. and his allies support will increase your utility rates. No doubt about it. Instead of trying to compete in the marketplace, these solar companies are looking for a handout!

Please join me today in urging the Arizona Corporation Commission to fix net metering so that it's fair for all Arizonans!

Remember, the Arizona Corporation Commission will be voting on this issue in the next couple of weeks. Please email the five elected Republican Commissioners and tell them to stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now. I have included the Commissioner's names and email addresses below.

Let's make sure our voice as true conservative Republicans is made loud and clear.

Thank you for taking the time to do this. Together we can protect Arizona ratepayers and their pocketbooks from these California companies' schemes!

Sincerely,

Senator Russell Pearce

...AND

Paul Zanger
AMVETS Region 4 Service Director
3333 N. Central Ave., Suite 1050
Phoenix, AZ 85012
paul.zanger@va.gov

Teresa Tenbrink

From: Bruce Plenk <solarlawyeraz@gmail.com>
Sent: Wednesday, November 06, 2013 4:59 PM
To: Stump-Web; Burns-Web; BitterSmith-Web; RBurns-Web; Pierce-Web
Subject: Docket No 13-0248, APS Net Metering
Attachments: Netmetering comments 2013-11-05..docx

Dear Chairman Stump and Commissioners:

Please consider the attached comments and file these in the Docket in this matter.

Thank you for your consideration

Bruce Plenk

Teresa Tenbrink

From: Ann and Perry <pjaj@theriver.com>
Sent: Wednesday, November 06, 2013 4:00 PM
To: BitterSmith-Web
Subject: please oppose net metering shifting for private rooftop solar systems

Dear Ms. Bitter Smith,

I would like to comment on APS application, Net Metering Cost Shift Solution, Docket Number: E-01345A-13-0248. APS states that residential customers with rooftop solar do not pay for most of the electric services that they use. I've read APS application, and I find that it is inadequate and only looks at one small part of the issue. It also raised one question: why are commercial users not included, if complete fairness is the goal?

APS ignores several important aspects, which were detailed in a study commissioned by the Solar Energy Industries Association and done by Crossborder Energy. That study found that for each \$1 of cost, distributed solar power provides \$1.54 worth of benefits to APS customers, resulting in net benefits for APS customers of \$34 million/year beginning in 2015. Benefits include savings on expensive, conventional power plants; reduced spending in transmission infrastructure; reduced electricity loss in power lines; and savings on the cost of meeting renewable energy requirements.

In addition, this added capacity from roof-top solar is subsidized by the homeowner who installs a system—we paid \$15,640 of our own money to help generate electricity. To me this is a substantial payment. These systems are subsidized by the federal government with tax credits.

According to the Arizona Goes Solar website, my zip code (85750) has 216 residential systems, with a capacity of 974.51 kW, and an average annual energy savings of 1,932,866.00 kWh. Our system has produced 43,729 kWh in 3.5 years. This power is produced and used locally, avoiding loss over long transmission lines. It is worth more than the wholesale rate. This power generation is part of what homeowners with solar systems are paying.

This use of the sun reduces the use of coal and natural gas for electricity production. This reduces demand for these non-renewable resources, extending the useful life of deposits and helps hold down their prices.

Free maintenance for this added solar power production is provided by the homeowner to the utilities. When it hasn't rained in months, who climbs up there to wash the panels? I do. If the system needs repair, who pays the repairman? I do. This likewise is totally ignored in the application and RUS opinion.

The system on our house has prevented the emission of 74,339 pounds of CO₂, plus accompanying other pollutants. Even if a person does not believe in global warming, they must admit this must have a significant positive impact on air quality. This is a benefit to Arizonans produced by homeowners' PV that is also totally ignored in APS' application and the RUS opinion on that application.

In summary, APS' application and RUS' opinion only look at the dollars and cents of what is happening at the meter and in APS bank account and totally ignore the big picture and common sense. Their seriously inadequate analysis could greatly limit the usefulness of residential solar installations.

Arizona should be a leader and innovator in solar power, looking for ways to expand its use. It should not be looking to limit it using incomplete, biased analyses that overlook many of solar's multiple, tangible benefits.

Please reject the APS application on net metering cost shifting and any similar arguments that use incomplete analyses, including ignoring social impacts like public health.

Thanks. Sincerely,
Perry Grissom
7140 East Gambel Circle, Tucson, AZ, 85750
520-885-1159

Teresa Tenbrink

From: Mark Stephenson <MarkS@jaguarot.com>
Sent: Wednesday, November 06, 2013 12:15 PM
To: Stump-Web; BitterSmith-Web; RBurns-Web; Pierce-Web; Burns-Web
Subject: 2014 Net Metering Program: Docket No. E-01345A-13-0248

Dear Chairman Stump, et al.,

I'm an APS ratepayer who does not utilize solar panels. I am subsidizing the people who choose to use solar through my electric rates. It's a transfer tax, however in this case it's from the have-nots to the haves who have the money to purchase solar panels. For that reason alone, you should not continue net metering.

The ACC should not put off a decision for political expediency or because it is tough.

What other information do you need? You folks set the rates. The utility companies need to give you all their financial info when they come before you in a rate case. You know what the electric companies pay for the electricity they buy and you know what it costs for them to generate the electricity they produce. What else do you need to know? That should be sufficient for you to make a decision.

Homeowners and businesses with solar should be selling it back to the utility companies for what it would cost APS if they had to buy it on the electric market and not a penny more. That would be like forcing a car owner to take his car to the dealer and pay for expensive service rather than an independent shop. Let the free market decide if solar is worth it, and, please, save the little guy some money. Drop net metering.

Thanks,

Mark Stephenson
1913 E. Redfield Rd.
Phoenix, AZ 85022

Teresa Tenbrink

From: Linda Swartz <bikesue99@gmail.com>
Sent: Wednesday, November 06, 2013 12:12 PM
To: Stump-Web; Pierce-Web; BitterSmith-Web; RBurns-Web; Burns-Web
Subject: Say NO to Net Metering!

Dear Commissioners:

If Americans want solar panels on their rooftops that is fine but it is UNFAIR to make the rest of us subsidize it. The worst part is that we are not even really subsidizing our neighbors either... even with the absurd inflation of buy-back rates for the solar power, it still takes decades to break even on the initial expense (which is already reduced by a subsidy). There is only one party benefiting here, and it is the shysters installing the solar panels in the first place. Without all of the subsidies and special incentives, the panels would never break even; relegating them to special usage applications such as cabins and anywhere else without power service. How would the felons and con men make money then? Please stand up for fairness and oppose this solar energy scheme by reforming net metering now.

Thank you,

Linda Swartz
5511 N. Blue Bonnet Rd
Tucson, Az 85745

Teresa Tenbrink

From: bp_holmes@yahoo.com
Sent: Wednesday, November 06, 2013 12:05 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Utility Companies: The Solar Killer Issue

To the AZ Corporation Commission Elected Officials,
I trust this email will reach you in time for the upcoming hearing with APS next week. First let me start by saying I'm an outside observer on this issue. I don't have Solar, and SRP is my utility company so although this might not affect me now, I'm sure it will in the near future. I should also mention that I'm an Electrical Engineer so I have some knowledge on this subject, but I don't work in the solar industry. I work for a mining industrial engineering firm in Chandler so my opinion is unbiased. I just want to shed light on the truth about this issue and hopefully sway your decision.

I've been following the recent news regarding utility companies bid to raise the rates of solar customers due to an unfair cost impact on non-solar users. I'm extremely dissapointed with everything I've been reading about this issue. All of the same smear tactics seem to come to play. However, most of these are blatant lies from the Utility side. Most people don't have an understanding regarding the technical aspects of net metering. As in any commercial or industrial application, its a customer's right to keep the utility honest with regards to the power they consume. That's why most customers install metering applications on their service entrance power distribution equipment. Why shouldn't this also be acceptable on a residential solar application? Net metering from a consumer aspect is smart. It allows a consumer to track the power they use and sell what they don't back to the grid. From a recent utility point of view it hurts other customers who don't have solar. Although I already know the answer, I'm here to ask the questions for everyone out there. Why and how? Anyone who looks at this from a business aspect can see this is a ploy for APS to recuperate their losses from their ever increasing solar customers. Their argument that it has a negative impact on maintaining the grid is also inaccurate. The only cost impact it might have is the maintenance of their equipment, such as generators or transformers. However, the cost to maintain the equipment still remains whether there are less active users or more. In fact, less active users means less strain on the grid so it can't affect the lifetime use of this equipment negatively. For example, what if 20% of the population left the state of AZ? Would they still be able to use this argument? No. They would have to decrease power production, and in turn, lose money due to less customers, or as they are doing now, ask for approval to raise rates. This is how everyone should be looking at this issue.

Solar in AZ is an extremely smart decision. We have unlimited sunshine year round. However, its not affordable for all consumers. I wish this was not the case. If it were more efficient and less costly, everyone would do it. We wouldn't even need utilities with efficient storage banks. However, this is not the case. That's why incentives were put in place to help make it more affordable for consumers. The problem is that many of these came from the utility. Although, not so long ago, they advertised positively for solar, now they are almost killing the idea by asking for approval to raise rates on these customers to recover the money they lost. That's hypocritical, and quite frankly, a slap in the face to consumers. If this request is approved, it will surely kill anyone's hope to someday own or install a solar system on their house. APS should be focusing on how to moniter power usage more efficiently, such as investing in smart grid technology to effectively monitor and produce power based on a city or neighborhood's needs. Instead, they waste money in smear campaigns in order to make more money. It makes me very angry to see such wasteful spending from a utility, when they are requesting more money from ME and other consumers. Solar advocates have nothing to lose by

advertising positively for solar. In fact, I hope they pour more money into this advertising. It sheds positive light on the negative issue APS is making it out to be. Its wrong. Seeing as utilities are a monopoly, we as consumers have no other choice but to accept the rate increases that are imposed. It's greedy and unfair.

As my elected officials, I'm asking you to consider the negative impacts this rate increase will have on AZ. Please deny APS and other utilities request to raise the rates.

Sincerely,
Bretton Holmes, PE

Teresa Tenbrink

From: Donald Salmon <donsalmon60@yahoo.com>
Sent: Wednesday, November 06, 2013 10:43 AM
To: BitterSmith-Web
Subject: Proposed changes to solar system billings

We installed a solar electric system on our home in December 2010 and are we concerned that the new rules for such systems proposed by APS are not only unfair but also misleading. Claims that non-solar customers are "subsidizing" the energy costs of those who have chosen to invest in solar energy in the ads being promulgated by APS are false and misleading.

We believe there are several factors to consider regarding the APS proposed changes.

1. Those with solar electric generation system have made a significant financial investment and are entitled to the benefits of that investment. APS encouraged those investments by providing rebates to those installing solar electric systems.
2. Just as APS has invested in electrical generation capacity; those of us with solar systems have invested in electrical generation capacity and are responsible for the cost of maintaining those systems.
3. The fact is, individuals who invested in solar systems have helped APS meet their Government mandated non-renewable energy requirements and meeting Government CO₂ emission requirements. This is the primary reason for APS rebates since it was a net cost saving to APS for individuals to invest money in solar power generation reducing APS investment needs.
4. The existence of solar electric systems on the grid has reduced the need for APS to invest in additional power generation capacity saving APS money.
5. Solar electric systems provide power to the grid during the periods of peak power demand thereby reducing the strain on the power grid and the need for expensive short term power generation capability by APS. A significant cost saving to APS.
6. By providing power during peak periods of demand and the reduced strain on the power grid, the cost of maintenance and/or upgrading of the power grid is reduced. Again a cost saving to APS.
7. We invested in our solar electric system as in integral part of our home just as is the irrigation system, patio, and other property improvements. It is not a car that we park in garage, or the furniture in the house all of which are portable.
8. Under current net metering rules, any excess power generated by solar electric systems is reimbursed by APS at wholesale prices indicating that APS believes that is the value of solar electricity to APS.

Since APS is a public utility whose primary goal should be to serve the public efficiently, we believe that the existing rules are fair and equitable to the solar system owners, to the public, and to APS. The attempts by APS to change those rules understates or ignores the cost savings APS realizes from reductions in investments for additional power generation capacity and reduced demands on the power grid. In addition there are the cost savings gained by assisting them to meet Government mandated emissions and renewable power generation.

We believe the changes proposed by APS by claiming that solar systems increase their costs are based primarily on their desire to increase profits and not to better serve the public. Their threats that there are such costs that must be passed onto non-solar customers are misleading and false.

We believe the public will be best served by maintaining the current rules.

Donald K. Salmon

Donsalmon60@yahoo.com

Teresa Tenbrink

From: ValparInt@aol.com
Sent: Wednesday, November 06, 2013 10:02 AM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: NO to net metering

Commissioners:

As a conservative, I say to every American that if you want solar panels on your rooftop then have at it, but don't make me pay for it.

Please stand up for fairness and oppose the Obama/Sierra Club/Goldwater solar energy scheme by reforming net metering now.

Thank you.

Paul Swartz
2601 N. Grannen Rd.
Tucson, AZ 85745

Teresa Tenbrink

From: bill wright <jwbilbil@gmail.com>
Sent: Wednesday, November 06, 2013 9:36 AM
To: Utilities Div - Mailbox; Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Fwd: Join us and stand strong for solar savings and energy choice

I am writing to you in the hope that you will vote in favor of solar in lieu of the request from APS to tax the sun. Give us a choice over monopoly energy.

Thank you

John wright

----- Forwarded message -----

From: **Mike Scerbo** <mscerbo@rosemoserallynpr.com>
Date: Tue, Nov 5, 2013 at 3:22 PM
Subject: Join us and stand strong for solar savings and energy choice
To: jwbilbil@gmail.com

We Need Your Support To Stop The APS Solar Tax We Need You November 13

On November 13, we will find out if APS managed to convince the Arizona Corporation Commission to tax the sun. At 9a.m. at the Commission offices at 1200 West Washington Street commissioners will hold a hearing to decide if APS' tax on solar energy should be approved.

We need your support at this meeting. Pleased attend if possible. Let the Commission know you stand for solar choice.

APS, through shady third-party groups has flooded the airways with messages attacking solar customers. So much money was spent that the Arizona Republic investigated. APS was forced to admit it was funding the messages.

APS' shady behavior should not be rewarded. Their call to tax solar energy should be rejected.

Its passage will effectively end private rooftop solar as we know it. More importantly if this measure passes, APS will cement its position as a monopoly and the sun will set on energy choice. Approval of the APS plan amounts to a \$2 billion dollar subsidy for the utility monopoly.

Please attend this critical meeting and send a message to state regulators.

When: Wednesday November 13, 9a.m.

Where: Arizona Corporation Commission Offices 1200 West Washington Street, Phoenix

Why: To prevent APS from taxing the sun

If you can't make the meeting you can still support solar choice by emailing the members of the Arizona Corporation Commission.

Please consider expressing your support for net metering by emailing the Arizona Corporation Commission.

Please indicate you are referencing docket number

E-01345A-12-0290

The following email addresses go directly to the commissioners. The last one goes to the utilities division

Pierce-web@azcc.gov

Burns-web@azcc.gov

Stump-web@azcc.gov

BitterSmith-web@azcc.gov

RBurns-web@azcc.gov

mailmaster@cc.state.az.us

This message was sent to jwbilbil@gmail.com from:

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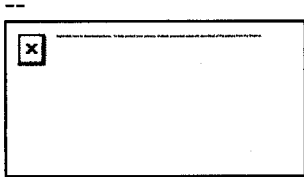
Teresa Tenbrink

From: Michael Becker <mbecker908@gmail.com>
Sent: Wednesday, November 06, 2013 8:52 AM
To: BitterSmith-Web
Subject: NO on net metering

Ms. Bitter-Smith,

Please vote NO on the net metering proposal that will cost rate payers in Arizona money by subsidizing solar companies at the expense of non-solar users.

Thank you for your consideration on this vote.



Teresa Tenbrink

From: Mike Scerbo <mscerbo@rosemoserallynpr.com>
Sent: Wednesday, November 06, 2013 8:52 AM
To: BitterSmith-Web
Subject: NEWS: Solar Supporters Call On APS To Disclose Anti-Solar Spending

FOR IMMEDIATE RELEASE

November 6, 2013

Contact: Michael Scerbo

Rose+Moser+Allyn Public and Online Relations

Email: mscerbo@rosemoserallynpr.com

Work: 480.423.1414

Mobile: 602.615.6523

What's In APS' Wallet?

Solar Group Joins Commissioner Bob Burns in Calling On APS To Let The Public Know What It's Been Spending On Anti Solar Campaign

(PHOENIX) While APS spends millions in secret to eliminate the rooftop solar industry, solar supporters' expenses to defend the right of Arizonans to go solar amounts to a fraction of what the utility monopoly is spending. And for full transparency, solar supporters are also disclosing future spending plans.

TASC, The Alliance for Solar Choice, has responded to Arizona Corporation Commissioner Bob Burns' request to provide financial information in its efforts to stop APS from taxing the sun. Thus far, TASC has spent \$336,000, and another \$100,000 is expected to be spent through November.

It is a far cry from the millions APS has spent. TASC notes that in Pinnacle West's most recent quarterly report, they admitted to spending \$9 million on "communications" related to their campaigns against retail competition and rooftop solar. APS has said it will respond to Bob Burns--but not the general public --with their lobbying and public relations expenses related to net metering. We call on APS to disclose *to the public* all spending on lobbying and public relations related to net metering, as well as those related to retail competition.

TASC made its initial financial disclosure voluntarily , and is voluntarily releasing the figures to the general public. For a copy of the response to Bob Burns' request, please contact Mike Scerbo at mscerbo@rosemoserallynpr.com

TASC advocates for maintaining successful distributed solar energy policies, such as retail net metering, throughout the United States. Retail net metering (NEM) provides fair credit to residents, businesses, churches, schools, and other public agencies when their solar systems export excess energy to the grid. The organization was formed on the belief that anyone should have the option to switch from utility power to distributed solar power, and realize the financial benefits therein. The

rooftop solar market has been largely driven by Americans' desire to assert control over their electric bills, a trend that should be encouraged.

-30-

This message was sent to BitterSmith-web@azcc.gov from:

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From: solartech_2014_eastcoast@event-greenworldconferences.com on behalf of Derek Michalski <dm@greenworldconferences.com>
Sent: Wednesday, November 06, 2013 8:25 AM
To: BitterSmith-Web
Subject: SolarTech East Coast 2014 - save the date / early bird

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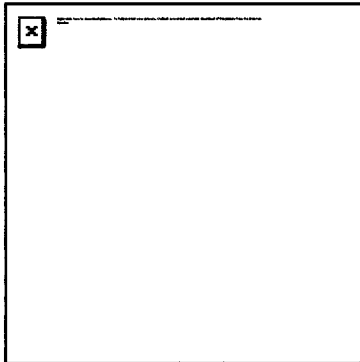
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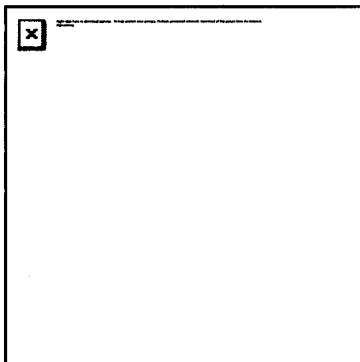
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Top industry experts confirmed as speakers

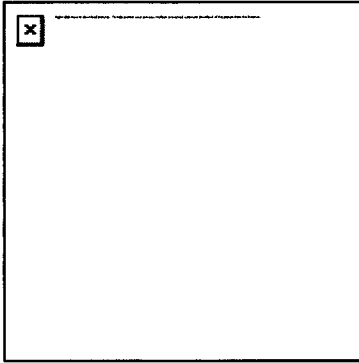
40 + highly renowned experts will present recent developments in PV, CSP, BIPV and solar thermal; microgrids; energy storage, solar procurement processes; solar monitoring, metering and tracking; maximizing social media and digital marketing strategies for solar energy; alternative financing and insurance strategies for solar. See our list of speakers [here](#)



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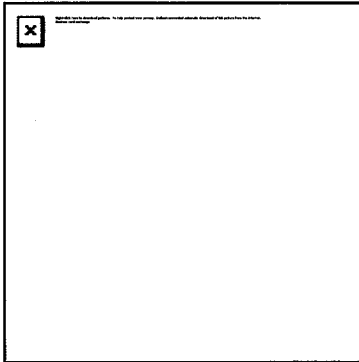
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Teresa Tenbrink

From: Peter Blackman <azpblackman@gmail.com>
Sent: Tuesday, November 05, 2013 8:42 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web
Subject: Results of Changing Net metering and charging solar users extra for the use of the grid

Dear Member of the Arizona Corporation Commission;

If new charges are added to people adding solar to their residences kills the incentive to have new solar installations in Arizona, APS will be forced to build new power plants. Who do you think will be paying for these new Power Plants? This is what APS wants. They want to build more power plants so they can make more money.

Most of the extra power that they buy back that solar customer produce is used right away by the people on the street that the solar is produced so this power does not use the grid anyway.

Also new technology has been developed that will allow people to go off the grid entirely without using batteries. So if APS causes the cost of electricity to go up too fast then there will be more of an incentive for customers to go off the grid entirely.

--

Peter Blackman
602-321-9900
<http://futureofhomebuilding.com>

Teresa Tenbrink

From: rex williams <charrexaz@cableone.net>
Sent: Tuesday, November 05, 2013 8:04 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Reform net metering now.

Arizona Corporation Commission

Dear Chairman Bob Stump and Commissioners:
Brenda Burns, Bob Burns, Susan Bitter Smith, and
Gary Pierce,

We are writing you this letter to inform you of our urgent request for you to reform the "net metering" now. We are absolutely opposed the the scheme to line the pockets of corrupt companies at the expense of Arizona ratepayers. We ask that you fix net metering so that it is fair for all Arizonians.

Sincerely,
Hugh Rex Williams
Charlon Y. Williams
5476 N. Ranger Road
Prescott Valley, Arizona 86314

Teresa Tenbrink

From: tbiclenorm@aol.com
Sent: Tuesday, November 05, 2013 7:44 PM
To: BitterSmith-Web
Subject: "net metering"

Dear Commissioner Susan BitterSmith;

Please keep the Arizona Corporation Commission from reforming solar "net metering".
Best regards,

Norman Kvetensky

Teresa Tenbrink

From: Kevin E. Ramsey <kevin.e.ramsey@cox.net>
Sent: Tuesday, November 05, 2013 7:07 PM
To: BitterSmith-Web
Subject: Re: I'm with Russell Pearce on the net-metering.

Thank you, Teresa.

Kevin.

On Nov 5, 2013, at 12:19 PM, BitterSmith-Web wrote:

> We received the email that you sent and would like to thank you for sharing your concerns about Net metering. The Commission has now received a proposal from APS regarding Net metering. Technical conferences have been held about this issue. An Open meeting will be scheduled for this issue.

>

> Your letter will be made a part of the public record. You can track the case's activity by visiting the Commission's eDocket website, <http://edocket.azcc.gov> and entering the docket number E-01345A-13-0248.

>

> Thank you for being part of this important process.

>

> Teresa Tenbrink

> Executive Aide to Commissioner Susan Bitter Smith Arizona Corporation

> Commission

> 1200 W. Washington

> Phoenix, AZ 85007

> (602) 542-3625

>

>

> -----Original Message-----

> From: Kevin E. Ramsey [mailto:kevin.e.ramsey@cox.net]

> Sent: Saturday, November 02, 2013 9:15 PM

> To: BitterSmith-Web

> Subject: I'm with Russell Pearce on the net-metering.

>

> Susan,

>

> I don't usually get involved with campaigns, but go ahead and pay solar-customers the standard rate only.

>

> Kevin E. Ramsey, R.P.T.

>

> =====

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>

Teresa Tenbrink

From: debra brock <grandmadebbiefish@gmail.com>
Sent: Tuesday, November 05, 2013 6:22 PM
To: BitterSmith-Web
Subject: No to Net Metering and paying for others solar and No to Obama and his crew

Debbie Brock
1650 S Crismon Road #78
Mesa AZ
85209

Teresa Tenbrink

From: Wayne Johnson <wjohnson270@cox.net>
Sent: Tuesday, November 05, 2013 6:10 PM
To: BitterSmith-Web
Subject: Docket # E-01345A-12-0290

Dear Commissioner,

Please support rooftop solar energy in Arizona by NOT supporting APS' proposal to change the Net Metering system. The planet desperately needs clean energy, and unfortunately "We the People", need incentives to grow this form of clean energy, and Net Metering is a fair and modest incentive.

Sincerely,
Wayne Johnson (SHS Class of '73...yes, I remember you!) wjohnson270@cox.net

Teresa Tenbrink

From: George Bushnell <geb3@lafn.org>
Sent: Tuesday, November 05, 2013 10:35 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Reform of net metering

Arizona Corporation Commissioner:

I want you to know that I oppose Barry Goldwater, Jr.'s scheme to line the pockets of corrupt California solar-energy companies at the expense of Arizona rate payers.

The real conservative position is this: if you want solar panels on your rooftop, go ahead, don't make your neighbor pay for it! What Barry Goldwater, Jr. and his allies support will increase our utility rates. Instead of trying to compete in the marketplace, these solar companies are looking for a handout!

Please reform net metering now and make it fair for all Arizonans.

George Bushnell

Teresa Tenbrink

From: John Neville <jneville@esedona.net>
Sent: Tuesday, November 05, 2013 5:34 PM
To: BitterSmith-Web
Subject: Docket E-01345A-12-0290

Commissioner Bitter Smith,

Like the vast majority of Arizonans, we are strong supporters of the move to solar power. The renewable energy standard is a good first start. We know that all the studies show we could provide most, if not all, of our electricity with solar installations and good storage systems.

We are very concerned that APS, our electrical utility, is taking actions (using our money) to effectively kill the solar industry in Arizona. This would not only hurt APS rate-payers, it would cause serious harm to our economy, just pulling itself out of the recent recession. What APS is asking for is a tax on solar installations with the funds going directly to their profits. While we understand that APS needs to make a profit to stay in business, it should not unfairly burden rate-payers and damage our state economy in the process.

Since initiating the renewable energy standard, Arizona has fallen behind other states in the commitment to solar. We are the state with the most to gain from the full-speed development of solar. What we need in Arizona is for you, our representatives to insist that APS do what is needed to encourage more solar development, not less. We need a fair net metering that provides solar users with kilowatt-hour for kilowatt-hour exchange without artificial limits that only benefit APS. All electricity users have been paying for the electrical grid for years. Even solar users contribute to the maintenance of the grid. This is not APS's grid. It is Arizona's grid. We paid for it. APS should not be permitted to destroy the benefits of clean, renewable energy by taxing solar users additional fees for being connected to the grid. As we understand it, this extra fee would amount to a \$2billion annual subsidy to APS, a for-profit monopoly. That goes against everything American.

Please stand firm for the needs of your constituents, the people of Arizona. Please keep this monopoly utility in line. They have been spending millions of our rate-payer dollars to spread misinformation about the benefits of solar for all. By this action, they have shown they cannot be trusted. We need you to represent us and stop APS from destroying an industry so important to our economy.

John Neville
49 Pinon Ct, Sedona, AZ 86336
928 282 2690
jneville@esedona.net

Teresa Tenbrink

From: ccelesteg@yahoo.com
Sent: Tuesday, November 05, 2013 4:44 PM
To: BitterSmith-Web
Subject: Please vote No on energy net metering

Sent from my HTC Inspire™ 4G on AT&T

Teresa Tenbrink

From: Vic Z <gaznogo@cox.net>
Sent: Tuesday, November 05, 2013 4:36 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Solar company subsidies not a good idea.

As a 44+ year resident of Arizona, I ask that you reform solar net metering to not burden non-solar residents to subsidize solar companies and legitimize profits to those who are pushing current policies. Thank you for doing the right thing.

Vic Zavarella
14441 N. 137th Lane
Surprise AZ 85379

Teresa Tenbrink

From: Cheri Jessup <munnich65@yahoo.com>
Sent: Tuesday, November 05, 2013 4:28 PM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: Reject APS' Proposal - Docket Number E-01345A-12-0290

In support of "fairness" to ALL APS customers and continued growth in rooftop solar, please REJECT APS's proposal to end net metering by replacing it with unfair taxes/fees. APS is stating that rooftop solar customers are not paying their "fair share" of the infrastructure fees while they are still connected to the grid. Because of this, they say that the infrastructure costs are being shifted to non-solar customers. To date, APS has provided absolutely no proof or solid financial numbers to support the existence of the cost shift to other customers, which is the fundamental basis of its filing. Without accurate numbers, there doesn't seem to be a way to ensure that changing from net metering to the proposed taxes/fees will be "fair" and/or in the best interest of anyone except APS. It seems that APS MUST bear the burden of proof here. It is simply unreasonable that APS invokes a tax or fee that shifts a class of customers from one rate schedule to another in order to recover and retain greater revenues for APS. Please hold APS accountable, and have their numbers independently checked. Rooftop solar has so many positive benefits to the infrastructure and the environment, it will be a disservice to the voters/customers in Arizona if APS is allowed to crush the only choice Arizonans have that is a net positive benefit for all ratepayers.

Additionally, if the APS proposal is truly about the loss of infrastructure fees, as APS would have everyone believe, and not due to a loss in purchased energy profits, I do believe that ALL customers should contribute EQUALLY to this, and only this. After which, if a person/family decides to invest in rooftop solar, they should be allowed this choice and receive the benefits of lower utility bills - not to be charged fees to make up for the lost revenue. The insatiable greed is apparent when you consider APS profits increased 51% from 2008 to 2012, while the rest of our state and nation was trying to cope with a retching recession over those times. Food for thought! And, in light of recent discovery by the Arizona Republic, APS appears to be using customer money to pay for negative ads through companies/organizations who support them and their tactics.

For these reasons, I urge you to vote **NO** to the APS net metering cost shift solution proposal. More time is needed to fully and fairly assess ALL of the costs and BENEFITS of serving the APS NEM customers in context of the costs and benefits of serving other customers (in particular, the non-NEM customers that APS claims are harmed), and then study and consider other options that are truly "fair" for ALL utility-connected customers.

Thank you for your time, attention, concern, and consideration.

Regards,
Cheri Jessup

Teresa Tenbrink

From: Jerilyn Anderson <ja1823@q.com>
Sent: Tuesday, November 05, 2013 2:18 PM
To: Jerilyn Anderson
Subject: vote

Dear Commissioner S. Bitter Smith

Please stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now.

Thank you,
Jerilyn Anderson
1823 E. Brown Rd.
Mesa, AZ 85203

Teresa Tenbrink

From: Sharon <sbostic3@cox.net>
Sent: Tuesday, November 05, 2013 2:15 PM
To: BitterSmith-Web
Subject: Paying for Solar Panels

Dear Commissioner Bittersmith;

I am writing to you about the "net metering" issue concerning solar panels and who should pay for them. It seems to me that those who want solar panel on their roof should be those who pay for them. Please fix the net metering issue and end the deceptive campaign by liberal groups behind it.

Thank you.

Sharon Bostic

2138 E. Fountain St.

Mesa, AZ 85213

480-835-6480

Teresa Tenbrink

From: 'James Commander' <james.commander@modernusa.com>
Sent: Tuesday, November 05, 2013 1:53 PM
To: BitterSmith-Web
Subject: Checked RE: electricity

Recipient: james.commander@modernusa.com | 'James Commander'

Subject: RE: electricity

We received the email that you sent and would like to thank you for sharing your concerns about Net metering. The Commission has now received a proposal from APS regarding Net metering. Technical conf

Teresa Tenbrink

From: Kenny Willis <kennywillis@gmail.com>
Sent: Tuesday, November 05, 2013 1:42 PM
To: BitterSmith-Web
Subject: Re: I like solar but do not expect my neighbors or family members to subsidize my choices. Please reform the metering!

Thank You for your response.

On Tue, Nov 5, 2013 at 12:05 PM, BitterSmith-Web <bittersmith-Web@azcc.gov> wrote:

We received the email that you sent and would like to thank you for sharing your concerns about Net metering. The Commission has now received a proposal from APS regarding Net metering. Technical conferences have been held about this issue. An Open meeting will be scheduled for this issue.

Your letter will be made a part of the public record. You can track the case's activity by visiting the Commission's eDocket website, <http://edocket.azcc.gov> and entering the docket number E-01345A-13-0248.

Thank you for being part of this important process.

Teresa Tenbrink

Executive Aide to Commissioner Susan Bitter Smith

Arizona Corporation Commission

1200 W. Washington

Phoenix, AZ 85007

(602) 542-3625

From: Kenny Willis [mailto:kennywillis@gmail.com]
Sent: Monday, November 04, 2013 12:41 PM
To: BitterSmith-Web
Subject: I like solar but do not expect my neighbors or family members to subsidize my choices. Please reform the metering!

Teresa Tenbrink

From: Mary Timm <mtimm@xenoscience.com>
Sent: Tuesday, November 05, 2013 1:23 PM
To: BitterSmith-Web
Subject: Solar Power - Net Metering - vote no on Goldwater Jr's proposal

Hi Susan,

Long time supporter but if you do vote this thing through, I'll yank my support of the republicans on the corporation commission. I'm so tired of California and being a suburb of them that you are supposed to be stopping this kind of stuff and I shouldn't have to take the time to write to remind you to do your job for Arizona.

Best regards,
Mary Timm
Phoenix, AZ

Teresa Tenbrink

From: Penny Stone <penny@AzHHA.Org>
Sent: Tuesday, November 05, 2013 1:23 PM
To: BitterSmith-Web
Subject: RE: Solar net metering

Teresa, if this regards to APS, it will not affect me as I have SRP for my electricity. Thank you so much for your email.

Penny

Penny Stone
A/P - A/R Specialist



2800 N. Central Ave., Suite 1450
Phoenix, AZ 85004-1054
602.445.4326, direct
602.445.4299, fax
www.azhha.org
pstone@azhha.org

From: Teresa Tenbrink [mailto:ttenbrink@azcc.gov] **On Behalf Of** BitterSmith-Web
Sent: Tuesday, November 05, 2013 12:08 PM
To: Penny Stone
Subject: RE: Solar net metering

We received the email that you sent and would like to thank you for sharing your concerns about Net metering. The Commission has now received a proposal from APS regarding Net metering. Technical conferences have been held about this issue. An Open meeting will be scheduled for this issue.

Your letter will be made a part of the public record. You can track the case's activity by visiting the Commission's eDocket website, <http://edocket.azcc.gov> and entering the docket number E-01345A-13-0248.

Thank you for being part of this important process.

Teresa Tenbrink
Executive Aide to Commissioner Susan Bitter Smith
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007
(602) 542-3625

From: Penny Stone [<mailto:penny@AzHHA.Org>]

Sent: Monday, November 04, 2013 8:58 AM

Subject: Solar net metering

I received a concerning email from Senator Russell Pearce regarding solar net metering and the Obama administration. I am always concerned when this president wants to pass on additional expenses to the American people.

I am against individuals being charged for solar usage by others. Solar is very expensive to install and I do not feel Americans should be penalized for not using solar just because there are unable to afford it and I'm not even sure it would even benefit me.

I know there is a lot of propaganda going on in this country thanks to the current administration. America is very split but I want to make sure I'm not going to have to pay for another's usage of solar and I sure don't want to have to pay for something that is going to California. See insert below.

Net metering is a technical term for a rule that **forces utility companies to pay solar customers for excess power their solar panels produce at a higher rate than the market dictates**. Another major problem is that net metering **forces homeowners that don't use rooftop solar to pay for those that do**. Even worse, this benefits California solar companies, like SolarCity, by forcing you to subsidize their profits.

Thank you,

Penny

Penny Stone
A/P - A/R Specialist



2800 N. Central Ave., Suite 1450
Phoenix, AZ 85004-1054
602.445.4326, direct
602.445.4299, fax
www.azhha.org
pstone@azhha.org

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Teresa Tenbrink

From: edandmarylynn@q.com
Sent: Tuesday, November 05, 2013 1:12 PM
To: BitterSmith-Web
Subject: Re: ROOFTOP SOLAR PANELS.

November 5, 2013

Teresa Tenbrink, Executive Aide to Commissioner Susan BitterSmith-Web
ARIZONA CORPORATION COMMISSION
1200 West Washington
Phoenix, AZ 85007

Dear Ms. Tenbrink:

Unfortunately, my belief is that APS talks out of both sides of their mouth, since that company subsidized and promoted solar energy and now APS wants to be subsidized by the rate payers of Arizona. This would be unfairly changing the rules midstream at the expense of Arizona customers. I would hope that Commissioner BitterSmith-Web looks at all the facts prior to casting her ballot and pray that she votes against this huge conglomerate who is attempting to extort Arizona rate payers.

We were considering the installation of rooftop solar panels until the articles about utility companies (such as APS) wanting to charge an extra \$100 per month to solar customers appeared in the Arizona Republic. SRP is watching this case closely and will very likely follow suit if the APS proposal gets an OK. If this happens companies promoting "green energy" or solar power could go out of business. Many lives are on the line due to the APS proposal (including ours.)

Sincerely,

Mary Lynn Porcaro

From: "BitterSmith-Web" <bittersmith-Web@azcc.gov>
To: "edandmarylynn@q.com" <edandmarylynn@q.com>
Sent: Tuesday, November 5, 2013 12:03:45 PM
Subject: RE: ROOFTOP SOLAR PANELS.

We received the email that you sent and would like to thank you for sharing your concerns about Net metering. The Commission has now received a proposal from APS regarding Net metering. Technical conferences have been held about this issue. An Open meeting will be scheduled for this issue.

Your letter will be made a part of the public record. You can track the case's activity by visiting the Commission's eDocket website, <http://edocket.azcc.gov> and entering the docket number E-01345A-13-0248.

Thank you for being part of this important process.

Teresa Tenbrink

Executive Aide to Commissioner Susan Bitter Smith
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007
(602) 542-3625

From: edandmarylynn@q.com [mailto:edandmarylynn@q.com]
Sent: Monday, November 04, 2013 12:53 PM
To: BitterSmith-Web
Subject: ROOFTOP SOLAR PANELS.

Dear Commissioner Bitter-Smith:

Should you want solar panels on your rooftop that's okay, but do not make your neighbor pay for it -- this is just another form of socialism which we see too much of already -- witness obamacare!

I am opposed to Barry Goldwater, Jr's scheme to line the pockets of corrupt California companies at the expense of Arizona ratepayers and to reform net metering now.

I do not support increasing my utility rates by with yet another socialistic program!! Instead of competing in the marketplace, this would place solar companies in the position of looking for a handout at my expense.

I would urge you all to fix net metering so that it is FAIR FOR ALL ARIZONANS.

--

Mary Lynn Porcaro 

"Many people will walk in and out of your life, but only true friends will leave footprints in your heart."
~Author Unknown~

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Mary Lynn Porcaro 

"Many people will walk in and out of your life, but only true friends will leave footprints in your heart."
~Author Unknown~

Teresa Tenbrink

From: Joe Kuzma <jbkuzma@yahoo.com>
Sent: Tuesday, November 05, 2013 11:37 AM
To: BitterSmith-Web
Subject: Re: Arizona attack on solar power

If there is any way to get a copy of APS's proposal I would greatly value it. I have attempted to watch a mid-October hearing online, but it wasn't available. Are hearings not shown online?

On Tuesday, November 5, 2013 11:28 AM, BitterSmith-Web <bittersmith-Web@azcc.gov> wrote:
We received the email that you sent and would like to thank you for sharing your concerns about Net metering. The Commission has now received a proposal from APS regarding Net metering. Technical conferences have been held about this issue. An Open meeting will be scheduled for this issue.

Your letter will be made a part of the public record. You can track the case's activity by visiting the Commission's eDocket website, <http://edocket.azcc.gov> and entering the docket number E-01345A-13-0248.

Thank you for being part of this important process.

Teresa Tenbrink
Executive Aide to Commissioner Susan Bitter Smith
Arizona Corporation Commission
1200 W. Washington
Phoenix, AZ 85007
(602) 542-3625

From: Joe Kuzma [mailto:jbkuzma@yahoo.com]
Sent: Tuesday, November 05, 2013 11:18 AM
To: BitterSmith-Web
Subject: Arizona attack on solar power

APS seems to be leading the charge to prevent anyone but themselves to install solar collectors.

Even though Arizona utilities have some of the highest base rates for both electric and gas customers in the nation, even though they are allowed to take away surplus KWH annually (in the middle of winter), even though solar customers have to pay utilities rates for the rest of the winter (so they cannot even get a full 12 month return on their investment) the power companies want more. Now they are airing a commercial stating that solar customers are getting a free ride and non-solar customers are picking up the tab paying more for their power.

The only thing non-solar customers are paying a premium for are these disgusting and unfair ads they are currently airing on commercial TV. Should I be planning an upgrade to an off-grid system to protect my family's investment?

Joseph Kuzma
928-263-6975

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Teresa Tenbrink

From: Danny Hawman <dannyhawman@gmail.com>
Sent: Monday, November 04, 2013 1:05 PM
To: Townhall Spotlight
Cc: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Re: Urgent: Senator Russell Pearce

Follow Up Flag: Follow up
Flag Status: Flagged

Senator Pearce,

My name is Danny Hawman, I live in Gilbert and I am a Republican. I am a strong conservative and have participated in many campaigns for true conservatives in our state.

Tonight I was forwarded an email, which credited you as the author, urging conservatives to contact the ACC to encourage them to alter the "net metering" laws. The justification for doing so, as laid out in this email, was some of the most ridiculous propaganda I have ever seen. It was not truthful at all and I was horrified that a conservative would adopt the Obama techniques of manipulating facts and distorting truths to accomplish a goal that could kill thousands of Arizona jobs.

I happen to work for a solar company, as do thousands of people in Arizona - many of us conservatives. I suggest, Sir, that you send out a notice proving that this email did not come from you. If you did write it, I suggest you become more familiar with the facts and look more closely at the potential impact of your misleading email.

Please feel free to contact me directly if you wish.

Danny Hawman
928-853-7099

Teresa Tenbrink

From: DSVANWERT@aol.com
Sent: Sunday, November 03, 2013 8:48 PM
To: BitterSmith-Web
Subject: STOP Forcing APS to Produce High Costing Electricity

Follow Up Flag: Follow up
Flag Status: Flagged

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to eliminate your Commission's challenge to APS to reach a high use level of Alternative fuels -- especially the ones which cost more to produce energy vs. using natural gas, as an example.

Regarding any change to the net metering policy, it will be criminal IF you change the way current solar customers, who have long term contracts, will be treated.

Fairness, to all concerned, will be when the Commission gives reasonable direction to APS which would allow them to utilize the least costly method of producing energy vs. forcing them to generate a money fund [at a monthly cost to every APS customer] to enable APS to offer subsidies to assist in meeting the higher cost Alternative Fuel goals your Commission established!

Time to stop playing politics and get real!!!

Sincerely,

A Solar customer,
David Van Wert

Teresa Tenbrink

From: alankline@mindspring.com
Sent: Sunday, November 03, 2013 7:37 PM
To: RBurns-Web; Stump-Web; Burns-Web; Pierce-Web; BitterSmith-Web
Cc: Utilities Div - Mailbox
Subject: The APS real motive

BE CAREFUL WHAT YOU WISH FOR Arizona Public Service has been campaigning ruthlessly for the Arizona Corporate Commission (ACC) to grant permission for altering the NET METERING arrangement currently in place. If the ACC allows this, it will represent a material departure from the contractual arrangement between APS and solar homeowners. In the contract between APS and the homeowners, APS claims ownership of all ENVIRONMENTAL CREDITS (see page 5 item # 7 of the APS/Homeowner agreement) generated as a product from the production of the homeowners' solar output. If the ACC does not take into account the value of those environmental credits (carbon credits), they will be ignoring the reason behind APS' support of solar. APS doesn't care about the electricity being created and sold back to them...their motivation from the very beginning has been to capture the environmental credits. The US Environmental Protection Agency has established a value for these credits in the open market and as an example of this value, my small 4K solar system has generated carbon credits with a value of \$14,885*. This amount has been earned over the 7 years my system has been in operation, giving an annual production in excess of \$2000 per year (an amount far greater than APS would realize if they change the net metering program).

If the Arizona Corporate Commission intends to allow APS to change the original contractual arrangement with homeowners, then they must allow the solar homeowners the right to recapture their carbon credits and set up a method to sell the credits through a cooperative made up of all solar homeowners. Keep in mind that the APS motivation is GREED and if allowed, they will kill all the motivation homeowners have to further the solar initiative in Arizona.

- Based on the Cap & Trade price from:
www.epa.gov/captrade/allowance-trading.html

Alan Kline
722 W Sherwood Dr
Payson, AZ 85541
928-595-0834

Teresa Tenbrink

From: Greg Dawson <gadinaz@hotmail.com>
Sent: Sunday, November 03, 2013 7:33 PM
To: Stump-Web
Subject: Oppose reforming solar "net metering"

Dear Commissioner,

I'm writing you today to voice my opinion that Arizona residents, who subsidize solar companies, at the expense of non-solar customers, is a truly awful idea and I believe this must be opposed.

Sincerely,

Gregory A Dawson
2301 E University
Unit #130
Mesa AZ 85213

Teresa Tenbrink

From: Betty Hengemuehler <hengemuehler@aol.com>
Sent: Sunday, November 03, 2013 8:06 PM
To: BitterSmith-Web
Subject: Solar Item

No!

Betts Laughlin Hengemuehler
Always take the high road.
Sent from my iPad.

Teresa Tenbrink

From: Richard <danielsonrichardl@yahoo.com>
Sent: Sunday, November 03, 2013 6:55 PM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Again, please support fairness. Thank you.

Sent from my iPad

Teresa Tenbrink

From: Richard <danielsonrichardl@yahoo.com>
Sent: Sunday, November 03, 2013 6:55 PM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Again, please support fairness. Thank you.

Sent from my iPad

Teresa Tenbrink

From: George Eifler <geifler@cox.net>
Sent: Sunday, November 03, 2013 11:00 AM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Again, please support fairness.

In many cases it is the retired people living on fixed income that can not afford to buy solar for themselves. It is really unconscionable for people in this category to be asked to subsidize those who have the means to invest in solar.

Thank you for your sincere consideration.

george a eifler
Phoenix.

Teresa Tenbrink

From: Morris and Rufus <dublem1946@gmail.com>
Sent: Sunday, November 03, 2013 10:44 AM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Again, please support fairness. Thank you.

Teresa Tenbrink

From: Dorothy Meno <dotmeno@aol.com>
Sent: Sunday, November 03, 2013 10:04 AM
To: BitterSmith-Web
Subject: Support Fairness

I do think we need a fair solution to this problem, one that will not kill the solar industry, but one that will not leave those less fortunate subsidizing the grid costs of those more fortunate. Thank you.

Sent from my iPad.

Teresa Tenbrink

From: chris callaway <drgwchris@yahoo.com>
Sent: Sunday, November 03, 2013 8:36 AM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith,

I urge you to be reasonable considering the rate that solar generators are paid by APS. The rate APS has to pay for solar generated electricity been grossly painted as fair when it is not.

The solar faction is nothing but a lie and a scam. I hope that you and the fellow commissioners will understand this. Active solar is not economic when all the facts are brought out. Forcing the rest of the consumers to pay for this folly is ridiculous.

I will campaign against and vote against any politician that supports this rip off.

Chris Callaway

Teresa Tenbrink

From: Russell Lowes <russlowes@gmail.com>
Sent: Sunday, November 03, 2013 8:16 AM
To: BitterSmith-Web
Subject: Support Fairness

Dear Commissioner Bitter-Smith,

I would add to my last e-mail, that this issue of fairness is obscured by the <http://thanksusanbittersmith.com> website. Solar reduces costs for all customers, in that it reduces the cost of peak energy, more than it costs the utility over the cost of wholesale, additionally when you consider other system-wide costs. Solar rooftop installations should be encouraged.

It is not fair that solar installation owners pay any more for their monthly fee. It is also not fair that solar owners NOT get the current retail price of solar (up to net zero), in that they are reducing the total cost of energy by supplying APS with low-cost peaking energy.

Please vote against the net metering changes.

Thank you,
Russell Lowes
3339 E. Seneca St.
Tucson, AZ 85716
520-321-3670

Teresa Tenbrink

From: Russell Lowes <russlowes@gmail.com>
Sent: Sunday, November 03, 2013 8:08 AM
To: BitterSmith-Web
Subject: Support Fairness

Dear Commissioner Bitter-Smith,

I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Even though I am in the TEP service area, I believe this APS decision will have state-wide implications. Again, please support fairness.

Thank you,

Russell Lowes
3339 E. Seneca St.
Tucson, AZ 85716
520-321-3670

Teresa Tenbrink

From: Ben Gmail <bwhitingdds@gmail.com>
Sent: Sunday, November 03, 2013 7:56 AM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Again, please support fairness. Thank you.

D. Benjamin Whiting, DDS

Attitude determines altitude.

Teresa Tenbrink

From: Judy Pike <judyparrypike@gmail.com>
Sent: Sunday, November 03, 2013 7:41 AM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Again, please support fairness. Thank you.

Sent from my iPad

Teresa Tenbrink

From: DBAREGRIZZ@aol.com
Sent: Sunday, November 03, 2013 7:23 AM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Again, please support fairness. Thank you.

Teresa Tenbrink

From: yumae1947 <yumae1947@yahoo.com>
Sent: Saturday, November 02, 2013 8:34 PM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Again, please support fairness. Thank you.

Sent from my T-Mobile 4G LTE Device

Teresa Tenbrink

From: Susan Gustafson <gusties22@gmail.com>
Sent: Saturday, November 02, 2013 8:02 PM
To: BitterSmith-Web
Subject: Support Fairness

Commissioner Bitter Smith, I respectfully ask that on November 13th you vote to reform the current net metering policy to one that is fair for all ratepayers, solar and non-solar alike. I don't think it is fair for non-solar customers to subsidize solar customers' use of the grid. Again, please support fairness. Thank you.

Sent from my iPad

Teresa Tenbrink

From: John Roberts <john.roberts.az@outlook.com>
Sent: Sunday, November 03, 2013 4:47 PM
To: BitterSmith-Web
Subject: Solar Electric Net Metering

Dear Commissioner BitterSmith,

Respectfully requesting you to support fixing electrical power net metering to make it fair to those of us who do not have solar panels. Please oppose Sierra Club & Goldwater groups who are trying to get the rest of us to pay higher than market rates to cross subsidize those who have installed solar panels. Please reform net metering now to make it fair for all Arizonans. Thank you.

John Roberts
Glendale, AZ 85308

Teresa Tenbrink

From: Jets4lisa@aol.com
Sent: Sunday, November 03, 2013 3:14 PM
To: BitterSmith-Web
Subject: (no subject)

REFORM NET METERING NOW!!!!!!!!!!!!

Teresa Tenbrink

From: Pj O'Malley <pjomal@aol.com>
Sent: Sunday, November 03, 2013 2:45 PM
To: BitterSmith-Web
Subject: Net metering needs reform

Dear Commissioner Bitter-Smith:

I am opposed to Barry Goldwater, Jr.'s scheme to line the pockets of corrupt California companies at the expense of Arizona ratepayers. As it has been said before, if you want solar panels on your rooftop, go ahead, but don't make your neighbor pay for it!

however, want to increase my utility rates.

Pseudo-conservative Barry Goldwater, Jr. and his allies,

I urge you as

an Arizona Corporation Commissioner to fix net metering so that it's fair for all Arizonans.

PJ O'Malley

Mesa

Teresa Tenbrink

From: Fred Cuthbertson <frsr@aol.com>
Sent: Sunday, November 03, 2013 2:35 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Net Metering - Solar Panels

Please vote "no" on Net Metering. There is so much corruption in government that an issue like this one would be another oppressive move. Please stand up for fairness and not burden house holds with another energy program that will have adverse collateral damage on hard working Arizona citizens. Stay clear of Obama initiatives that are contrived without any thought on its long term problems it creates for the citizens of America. Spreading the wealth is a means of creating dole and creating dependency in stead of self-reliance. Let solar rely on the free market system for survival.

Thank you,
Fred and Kate Cuthbertson
El Mirage, AZ.

Teresa Tenbrink

From: Vic & Steph Andros <androsvs@yahoo.com>
Sent: Sunday, November 03, 2013 12:31 PM
To: BitterSmith-Web
Subject: Upcoming Net Metering vote

Dear Commissioner Smith,

I am urging you to vote to fix net metering so that non-solar users are not forced to subsidize solar users and all of the other unfair and redistributive practices that the issue entails. As a conservative, I voted for you to go onto the commission because of your stated promises to act against such measures. Thank you.

Andros

10840 E. San Tan Blvd

Lakes, AZ 85248

Victor

Sun

Teresa Tenbrink

From: Sonolou@cox.net
Sent: Sunday, November 03, 2013 10:51 AM
To: BitterSmith-Web
Subject: Who else must I subsidize?

I am opposed to the nonsense being proposed by Barry Goldwater Jr with regards to solar energy and "net metering". It's not good for taxpayers, and it's not good for Arizona.

I watch, I read, I remember, and I vote.

RLGilbert
Mesa, AZ

Teresa Tenbrink

From: George Eifler <geifler@cox.net>
Sent: Sunday, November 03, 2013 11:24 AM
To: Stump-Web; Pierce-Web; RBurns-Web; Burns-Web; BitterSmith-Web
Subject: Solar "net metering"

Dear Commissioners,

I respectfully request that you take the action on 13 November to make utility rates fair for all Arizonans.

As you are well aware one large population segment in our State, and growing each day, is retirees who live on fixed income. This segment is amongst those who can not afford to invest in solar. In my humble opinion this segment is far too often ignored or are given inadequate consideration in matters like this. This segment earned much less in their career than many people today who are buying solar.

Again, in my humble opinion it is unconscionable to ask these people who are facing much higher medical insurance payments with less coverage to also subsidize those with the means to invest in solar.

Please remember the retirees have had a fantastic record of paying their own way, paying their taxes, living within their means and serving their Country. They have more than met their obligations to our society. Please do not add another burden to them in their so called, "Golden years" by taking their "gold" away via this scheme.

Thank you for your sincere consideration.

george a. eifler

Teresa Tenbrink

From: Julie Maxwell <anglophile80@yahoo.com>
Sent: Sunday, November 03, 2013 11:07 AM
To: BitterSmith-Web
Subject: N

Commissioner Bitter Smith,

I urge you to stand up for free choice on behalf of energy users and to oppose the Goldwater plan by reforming net metering.

YVT,
Julia Maxwell

Teresa Tenbrink

From: M.J. Zaruba <mjz4043@hotmail.com>
Sent: Sunday, November 03, 2013 10:52 AM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Barry Goldwater, Jr.'s scheme

Barry Goldwater, Jr., is trying to convince Arizona residents that subsidizing solar companies at the expense of non-solar customers is a good idea. **The real money behind this scheme are the same California solar companies that are currently under investigation by the federal government and are being sued in a class-action lawsuit in that same state.**

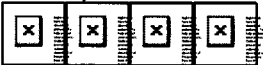
I am very opposed to Barry Goldwater, Jr.'s scheme to line the pockets of corrupt California companies at the expense of Arizona ratepayers and to reform net metering.

if you want solar panels on your rooftop, go ahead. But don't make your neighbor pay for it!

What Barry Goldwater, Jr. and his allies support will increase utility rates. Instead of trying to compete in the marketplace, these solar companies are looking for a handout!

Thank you for taking the time to read my email and think seriously about this scheme. Together we can protect Arizona ratepayers and their pocketbooks from these California companies! We all know what a mess California is in...let's not let them to it to the great state of Arizona.

Most sincerely,
Marilyn Zaruba



Teresa Tenbrink

From: Robert Haber <rbhaber@cableone.net> on behalf of Robert Haber
<rbhaber@earthlink.net>
Sent: Sunday, November 03, 2013 10:42 AM
To: BitterSmith-Web
Subject: Solar Energy

Dear Commissioner Bitter-Smith,

If you want solar panels on your rooftop, go ahead. But don't make your neighbor pay for it!

Sincerely,

Robert Haber

Teresa Tenbrink

From: Darol Jurn <djurn@prodigy.net>
Sent: Sunday, November 03, 2013 9:34 AM
To: Pierce-Web; Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Utilities Div - Mailbox
Subject: APS - Net Metering

I am a former employee of 35 plus years and retiree of APS. I find the current APS position on net metering disturbing (I am a current APS customer and DO NOT have solar collectors on my home). If I correctly understand the issue APS wants to charge residential customers with solar panels a system benefit charge for having access to the APS system. It has been publicized the system benefit charge could be a \$50 to \$100 to those residential users with solar rooftop collectors.

My reasons for disagreeing with APS:

1. Solar panels provide a benefit to APS and it's customers by removing the daytime peak power demand, especially in the summer. This removes the need to build additional generating facilities or find peak power sources that are expensive.
2. Customers with solar panels (without a battery system) generally use power from the APS system during non-daylight hours resulting in flattening the APS system load.
3. APS argues when the collectors do not produce power during the daylight hours, such as a cloud blocking sun light to a collector. Random clouds in Arizona are extremely temporary in nature as we know in Arizona there are not may cloudy days. In the case where there are widespread heavy clouds as would be cause by a large storm front the APS system load is significantly reduced. For this case the non-producing solar collector would have minimal impact on the APS system load.

If there is any shred of evidence that non-solar customers are paying for customers with solar rooftop collectors it is weak at best because the system benefit charges for a solar customer are nowhere near the \$50 to \$100 value publicized. This can be found by reviewing the itemized charges on any APS customers bill. For my case determining the 12-month average costs from my APS bills reveals the following:

Fixed costs (costs that appear to be stable from month to month):

- Metering: \$2.75
- Meter Reading: \$1.89
- Billing: \$2.14

Total Fixed costs: \$6.78 per month

Variable Costs based on consumption (costs that appear to vary based on power consumption):

- Average Killowatt consumption: 649.5
- Average Delivery Service: \$17.54
- Environmental fee: \$5.45
- System Benefit Charge: \$1.93
- Transmission: \$3.38

- Transmission Cost Adjustment: \$3.90

Total variable costs: \$32.11 per month (does not include actual generation costs or taxes)

In summary I believe APS is looking for additional sources of income and I believe their argument is weak. **Please vote against the APS proposal.**

Darol Jurn

Teresa Tenbrink

From: Glenn Jacobs <frankglennjacobs@gmail.com>
Sent: Sunday, November 03, 2013 8:24 AM
To: Glenn Jacobs
Subject: Defeat "net metering".

Dear Corporation Commission members;

"Net Metering" is a scam.

It will not lower our rates.

We, the customers will have to pay for the very expensive special watt-hour meters.

We, the customers will have to pay for the very expensive and un-wanted electricity from other people's rooftop solar panels.

The utility companies would not buy it because it is not dependable.

It only flows when the sun shines.

The utility companies have to keep the turbines spinning to cover sudden needs.

The utility companies would not buy rooftop electricity because it is of no use to them.

Only government mandates can make them buy it.

It would be like forcing you to buy random produce for your kitchen.
You don't want rutabagas? Tough! Throw 'em out. But you have to pay for them anyway.

This is what they call "crony capitalism". Someone gets filthy rich -- not because he has something of value to sell, but because his cronies in government force someone to buy it.

Defeat net metering.

Let those who want rooftop solar panels for their own use store it up in batteries and use it.

Don't force the power companies to buy it.

Glenn Jacobs
928-333-3985

Teresa Tenbrink

From: garys9@juno.com
Sent: Sunday, November 03, 2013 6:11 AM
To: BitterSmith-Web
Subject: NET METERING

Commissioner Smith,

I just sent an email opposing the reform of NET METERING. I misread the information and need to change our stand. We are STRONGLY opposed to the antics of the SIERRA CLUB, CALIFORNIA UTILITIES, BARRY GOLDWATYER JR, etc who are against Net Metering reform. We encourage you to FIX NET METERING in fairness to all Arizonans.

Thank you very much,
Gary and NaDene Simmons
Gilbert, Arizona

Teresa Tenbrink

From: garys9@juno.com
Sent: Sunday, November 03, 2013 6:11 AM
To: BitterSmith-Web
Subject: NET METERING

Commissioner Smith,

I just sent an email opposing the reform of NET METERING. I misread the information and need to change our stand. We are STRONGLY opposed to the antics of the SIERRA CLUB, CALIFORNIA UTILITIES, BARRRY GOLDWATYER JR, etc who are against Net Metering reform. We encourage you to FIX NET METERING in fairness to all Arizonans.

Thank you very much,
Gary and NaDene Simmons
Gilbert, Arizona

Teresa Tenbrink

From: M. Muskovitz <mikem0639@sbcglobal.net>
Sent: Sunday, November 03, 2013 5:54 AM
To: ";"
Subject: reforming solar "net metering."

I oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering.

The real conservative position is this: if you want solar panels on your rooftop, go ahead. But don't make your neighbor pay for it!

This is unfair.

The group, led by Barry Goldwater, Jr., is trying to convince Arizona residents that subsidizing solar companies at the expense of non-solar customers is a good idea. **The real money behind this scheme are the same California solar companies that are currently under investigation by the federal government and are being sued in a class-action lawsuit in that same state.**

SAY NO to this unfair plan

Thanks:

M. Muskovitz\
527 River Drive
Mayville WI 53050

Disclaimer: The information contained in this email or any previous emails and or any attachments may be privileged and/or confidential, and is intended only for the use of the recipient(s) named above. If the reader of this message is not the intended recipient you are hereby notified that any dissemination, distribution, or copying, sharing or saving of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by replying to this email, and then delete it from your computer. Thank you for your cooperation.

Teresa Tenbrink

From: Irene Brown <ibrown@nvcbell.net>
Sent: Friday, November 01, 2013 9:46 PM
To: BitterSmith-Web
Subject: Please make net metering fair

Thanks,
Irene Brown

Sent from my iPad

Teresa Tenbrink

From: weisserchris@aol.com
Sent: Friday, November 01, 2013 9:21 PM
To: BitterSmith-Web
Subject: Solar Issue

Please stand up for fairness and opose Obama//Sierra Club/Goldwater Jr scheme..

Thank you
Christine Weisser

Teresa Tenbrink

From: Toni <antonia.27@juno.com>
Sent: Friday, November 01, 2013 9:17 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: solar panels/net metering

Commissioner Brenda Burns
Commissioner Bob Burns
Commissioner Susan Bitter Smith
Commissioner Gary Pierce
Chairman Bob Stump

Please stop the Arizona Corporation Commission from reforming solar "net metering."

Stop this rule that forces utility companies to pay solar customers for excess power their solar panels produce at a higher rate than the market dictates.

Another major problem is that net metering forces homeowners that don't use rooftop solar to pay for those that do. This is unfair. Even worse, this benefits California solar companies, like SolarCity and subsidizes their profits. The real money behind this scheme are the same California solar companies that are currently under investigation by the federal government and are being sued in a class-action lawsuit in that same state.

Please stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now. This group, led by Barry Goldwater, Jr., is trying to convince Arizona residents that subsidizing solar companies at the expense of non-solar customers is a good idea. It is NOT.

If you want solar panels on your rooftop, go ahead. But don't make your neighbor pay for it!

Thank you for your consideration,

A.G.

Teresa Tenbrink

From: Rich Brady <rich.brady@cox.net>
Sent: Friday, November 01, 2013 8:57 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: solar issue and rates

Dear members of the AZ Corporation Commission,

i am a Republican living in Phoenix. i do NOT have solar panels on my roof as my wife (whose name the house is in) thinks they are unsightly, so i am not writing this out of some self-serving motive. i believe we all have a responsibility to future generations to do all we can to preserve our natural resources and take care of our Earth - since it IS the only place we have to live. as such, encouraging people to get those unsightly solar panels on their roofs by allowing them to sell excess electricity back to electric companies by NOT allowing electric companies to now add a surcharge to their bills is simply the 'RIGHT' thing to do - for them, for future generations, for the Earth. please side with those responsible humans willing to personally sacrifice for all humans' futures - please don't let the loud, screaming minority get their way simply because they are willing to scream and threaten, or because they are being funded by an overly wealthy utility company - if you do the right thing, the quiet majority will respect it.

Thank you for your time.

Richard Brady

Teresa Tenbrink

From: Rick Litton <ricksellsnaples@yahoo.com>
Sent: Friday, November 01, 2013 8:28 PM
To: Burns-Web
Cc: RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Stand up for fairness and oppose the Obama/Sierra Club/Goldwater scheme by reforming net metering now.

Rick Litton, Realtor
Premiere Plus Realty
370 12th Ave. S.
Naples, Fl. 34102
Direct: 239-537-1935
Office: 239-732-7837
Web site: <http://www.ricklitton.com/>
Email: Ricksellsnaples@yahoo.com

Teresa Tenbrink

From: sltobin@cox.net
Sent: Friday, November 01, 2013 7:40 PM
To: BitterSmith-Web
Subject: Please Vote to Support the APS Position on Net Metering

Dear Commissioner BitterSmith,

While the issue is complicated, it is clear that when the renewable energy mandate was approved, the solar subsidy incentives were not properly established as one customer should never be forced to subsidize another as the current solar tariff requires. The customer to customer subsidy should be corrected now before the situation gets worse. Secondly, after all these years of solar subsidy the entire solar subsidy should be stopped. The idea of the subsidy to begin with was to kick start the solar industry. Now it seems the solar industry demands the subsidy as a right, hopefully this is not your intent.

Sincerely,
Sheri Tobin

Teresa Tenbrink

From: Frank <pxbuck@aol.com>
Sent: Friday, November 01, 2013 6:33 PM
To: BitterSmith-Web
Subject: solar users

Dear Ms:

I wish to express my opposition, as an Arizona citizen and tax payer, to any form of subsidy to solar power users.
These people should not be paid more by APS or SRP for the excess power they generate and feed to the system than the rate our utility companies pay for any other source of power.
Vote against subsidy to solar users.

Franklin Buckman
8140 E Cactus DR
Mesa, AZ. 85208

Teresa Tenbrink

From: Evelyn <richerevelyn@aol.com>
Sent: Friday, November 01, 2013 6:22 PM
To: BitterSmith-Web
Subject: UNFAIR

MS BitterSmith;

As an Arizona resident, I am concerned about this proposal for net. metering. Please consider carefully and do what is fair for us. I am convinced that it would be very bad for us, if this were to be implemented.

Evelyn Ruhlman

Teresa Tenbrink

From: dcfrave@aol.com
Sent: Friday, November 01, 2013 6:04 PM
To: BitterSmith-Web
Subject: Response to Senator Pearce's email
Attachments: Senator Pearce Email Response.docx

Dear Ms. BitterSmith,

Attached is my email response to Senator Pearce's email He asked me to contact you. I do not think this is what he had in mind.

David Feiring
Biology Teacher
Greenway High School

Teresa Tenbrink

From: Jim Dev <azpatriot1944@gmail.com>
Sent: Friday, November 01, 2013 5:13 PM
To: Burns-Web; Stump-Web; BitterSmith-Web; RBurns-Web; Pierce-Web
Subject: Vote NO on Solar Power Subsidy

Vote No to Solar Power subsidy and fix net metering to be fair to all customers. The movement supported by Barry Goldwater Jr. benefits California Solar companies, **not** for the good of customers.

Thanks,
Jim DeVere
Native Arizona Conservative American

Teresa Tenbrink

From: Floyd Tidd <ftidd@yahoo.com>
Sent: Friday, November 01, 2013 5:07 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Solar Ner Metering

A group led by Barry Goldwater Jr. is urging the commision to change the Solar Net Metering to benefit California Solar companies at the expense of Arizona citizens. I do not have rooftop solar and do not wish to pay for the people that do have it. If they want it they should be able to foot the bill for it themselves. If it has to be changed please change it so that it benefits all fairly.

Thank You
Floyd & June Tidd
Mesa, Az.

Teresa Tenbrink

From: Alma Engel <engelalma@aol.com>
Sent: Friday, November 01, 2013 5:05 PM
To: Burns-Web; RBurns-Web; BitterSmith-Web; Pierce-Web; Stump-Web
Subject: Please oppose the Obama/Sierra Club/Goldwater "net metering" scheme.

Honorable Commissioners:

I urge you to reform "net metering" so that it's fair for all Arizonans. Those people who choose solar energy should pay for it themselves without subsidies from the rest of us.

Thank you for your consideration.

Alma Engel
1209 W. Pepper Place
Mesa, AZ 85201
engelalma@aol.com

"The Lord bless you and keep you; the Lord make His face shine upon you and be gracious unto you; the Lord lift up His countenance upon you, and give you peace." Num. 6:24-26

Teresa Tenbrink

From: Barbara G. Worman <nicemom@juno.com>
Sent: Friday, November 01, 2013 2:43 PM
To: BitterSmith-Web
Subject: Utility companys

I want to register my opposition to the Obama/Sierra club/Goldwater scheme to reform net metering. I do not choose to have solar panels on my house and I don't desire to pay for those who do. Barbara Worman, 1794 W. San Angelo, Gilbert AZ 85233