

ORIGINAL



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Teresa Tenbrink

From: tlyon2222@cox.net
Sent: Tuesday, April 21, 2015 11:01 AM
To: RBurns-Web; Forese-Web; Little-Web; Stump-Web; BitterSmith-Web
Subject: Re: Utility Rates
Attachments: Worksheet.xlsx

Follow Up Flag: Follow up
Flag Status: Flagged

To: Arizona Corporate Commission (ACC)
 Chairman: Susan Bitter Smith
 Commissioners: Tom Forese, Doug Little, Bob Stump, Bob Burns

Date: 21 April 2015

From: Timothy M. Lyon
 Capt. USAF Ret.
 14213 N. McPhee Dr.
 Sun City, AZ. 85351
 623-544-3496

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Subject: Solar Energy

Commissioners,

In November of 2011 I leased solar panels for my private residence. I did this for two reasons. One, APS, ACC, The State Legislature and various other entities ran spots touting the advantages of solar energy. Your Commission even required the power companies to have a certain percentage of all power be from non-carbon producing energy by a certain year. Two, after much computation, I figured I could recoup my investment within about 9 years and then realize the savings that you all said I would have.

Then the inevitable happened. APS said we were cutting into their profits. They started a campaign pitting non-solar customers against solar customers with what I consider false data. They said we were using their transmission lines for free and non-solar customers had to subsidize us. No talk about the amount of power they did not have to produce because we were producing our own power. No talk about the money APS saved by taking our excess power and sending it to our neighbors, thereby saving them transmission and delivery charges to that customer that they were still collecting from that customer. No talk about the 6.187 cents per kwh in 2012 and the 2.789 cents per kwh in 2013 (a 45 % drop) that APS reimbursed us for our end of year excess power that they sold to customers for between 9 and 15 cents per kwh.

Regardless of all this, the ACC ruled pretty much in favor of APS. Rules are now in place for APS to incrementally increase rates at each rate case before the ACC. The LFCR has already increased by 47 % from my April 2014 billing to May 2014 billing. Now I do understand that in my case that 47% increase in the LFCR is only 6 cents a month. However, at the next rate case, my grandfathering will be over and even if the ACC does not raise the 70 cents per kw of output, my bill will increase by \$3.50. In the future several 47% increases to that figure will make my investment a loss.

I also hear on the news that SRP is going to add a \$50 a month charge to the bills of those that have solar. We all know that when that happens, APS won't be far behind. My investment recovery under that scenario will go from 9 years to 28 years.

Now that APS has shown other utilities how to use the ACC to get rate increases, I see that Epcor water company is starting its' campaign to raise rates. Again, you all want us to conserve water and state it is a benefit to us in lower utility bills.

I draw your attention to WS-01303A-14-0010, page 2, item 5. It states that one of Epcor's major causes for a rate increase is, "the continued decline of customers water usage per customer".

So we are conserving water and now they want us to pay the same or more as before. Where, may I ask, is the benefit to us, the consumer, and why as a consumer protection agency, are you always finding on the side of the monopoly utility companies?

I recently received a letter from APS informing me of their proposal to charge all new solar customers a flat \$21 fee, but for me not to worry because they are requesting present solar owners be grand fathered in at the present rates. **I guess this is the benefit your staff report refers to in para. 75 of Docket No. E-01345A-13-0248 where it says that at APS's next rate case all DG customers will lose their grandfather status so we can take advantage of the benefits (if any). Thank you so much for looking after us little guys out here ACC.**

Sincerely,
Timothy M. Lyon

Attach. Worksheet showing my totals for 2012. Shows the cost I saved APS using their own figures vs the cost they incurred by me using their power lines during times of my non-production. Approximately a net \$400 profit for APS.


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Use of APS Transmission Lines

2012	Total savings to APS by not using their power				APS kwh used during times my system not producing						
	KWH Used	Gen. Charge	Del Charge	Trans Charge	Total	Sell Back Loss	kwh used APS	Gen. Charge	Del Charge	Trans Charge	Total
Jan	338	\$19.94	\$9.13	\$1.76	\$30.83		243	\$14.34	\$6.56	\$1.26	\$22.16
Feb	392	\$23.13	\$10.58	\$2.04	\$35.75		271	\$15.99	\$7.32	\$1.41	\$24.72
Mar	418	\$24.66	\$11.29	\$2.17	\$38.12		264	\$15.58	\$7.13	\$1.37	\$24.08
Apr	425	\$26.53	\$11.48	\$2.21	\$40.22		253	\$14.93	\$6.83	\$1.32	\$23.07
May	740	\$59.70	\$19.98	\$3.85	\$83.53		413	\$37.78	\$11.15	\$2.15	\$51.08
Jun	1092	\$102.82	\$29.48	\$5.68	\$137.98		625	\$47.86	\$16.88	\$3.25	\$67.99
Jul	1159	\$111.29	\$31.29	\$6.03	\$148.61		751	\$60.83	\$20.28	\$3.91	\$85.01
Aug	1289	\$127.73	\$34.80	\$6.70	\$169.24		805	\$66.51	\$21.74	\$4.19	\$92.43
Sep	634	\$48.78	\$17.12	\$3.30	\$69.19		525	\$37.56	\$14.18	\$2.73	\$54.47
Oct	498	\$29.38	\$13.45	\$2.59	\$45.42		328	\$19.35	\$8.86	\$1.71	\$29.91
Nov	405	\$23.90	\$10.94	\$2.11	\$36.94		300	\$17.82	\$8.10	\$1.56	\$27.48
Dec	600	\$35.40	\$16.20	\$3.12	\$54.72	\$52.99	477	\$28.14	\$12.88	\$2.48	\$43.50
TOTAL	7990	\$633.26	\$215.73	\$41.55	\$890.54	\$943.52	5255	\$376.68	\$141.89	\$27.33	\$545.89

kwh Summer rate Winter Rate

0 - 400 0.0616 0.059

401 - 800 0.103

801 - 0.1265

9188 Total Production in 2012

7990 Total used in 2012

1198 Excess production sold back at \$.06187

11.98 APS profit on my year end excess \$74.12

\$52.99