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**ARIZONA CORPORATION COMMISSION**

August 5, 2016

To: Docket Control

RE: TUCSON ELECTRIC POWER COMPANY – Customer Comments

Docket No: E-01933A-15-0322 and E-01933A-15-0239

Please docket the attached 2 customer comments opposing the above filed case.

Customer comments can be reviewed in E-docket under the above docket number.

Filed by: Utilities Division – Consumer Services

RECEIVED  
AZ CORP COMMISSION  
DOCKET CONTROL  
2016 AUG -5 P 3:32

Arizona Corporation Commission  
**DOCKETED**  
AUG 05 2016

DOCKETED BY 

E-01933A-15-0239

E-01933A-15-0322

## Arizona Corporation Commission Utilities Complaint Form

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<b>Investigator:</b> Roxanne Best	<b>Phone:</b> <<< REDACTED >>>	<b>Opinion Date:</b> 7/29/2016
<b>Opinion Number:</b> 2016 - 133546	<b>Priority:</b> Respond within 5 business days	
<b>Opinion Codes:</b> Rate Case Items - Demand/ Opposed	<b>Closed Date:</b> 7/29/2016 1:23 PM	

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<b>First Name:</b> michael	<b>Last Name:</b> fleming	<b>Account Name:</b> michael fleming
<b>Address:</b> <<< REDACTED >>>		
<b>City:</b> tucson	<b>State:</b> AZ	<b>Zip Code:</b> 85737
<b>Other:</b> <<< REDACTED >>>	<b>Email:</b> <<< REDACTED >>>	

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<b>Company:</b> Tucson Electric Power Company	<b>Division:</b> Electric
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### Nature Of Opinion

**Docket Number:** E-01933A-15-0322

**Docket Position:** Against

Some reference materials this commission should already be familiar with:

[http://environmentamerica.org/sites/environment/files/reports/EA\\_shiningrewards\\_print.pdf](http://environmentamerica.org/sites/environment/files/reports/EA_shiningrewards_print.pdf)

[http://c.ymcdn.com/sites/energync.site-](http://c.ymcdn.com/sites/energync.site-ym.com/resource/resmgr/Resources_Page/NCSEA_benefitssolargen.pdf)

[ym.com/resource/resmgr/Resources\\_Page/NCSEA\\_benefitssolargen.pdf](http://www.oursolarrights.org/files/5513/8662/3174/Crossborder_Study_of_the_Benefits_of_Distributed_Solar_Generation_for_PSCo.pdf)

[http://www.oursolarrights.org/files/5513/8662/3174/Crossborder\\_Study\\_of\\_the\\_Benefits\\_of\\_Distributed\\_Solar\\_Generation\\_for\\_PSCo.pdf](http://www.oursolarrights.org/files/5513/8662/3174/Crossborder_Study_of_the_Benefits_of_Distributed_Solar_Generation_for_PSCo.pdf) <http://images.edocket.azcc.gov/docketpdf/0000151215.pdf>

<http://www.greentechmedia.com/articles/read/The-True-Value-of-Arizona-Solar-By-the-Numbers> "Every dollar invested by APS in its net metering program earns it \$1.54, according to a new analysis." By 2015, the APS net metering program will produce \$34 million in net benefits yearly. "Generation: Because of its contracted solar, energy efficiency, and demand response, APS needs no more new generation until 2017. Those resources will be in place and have value far beyond the avoided short-term energy costs, and may even hedge against unexpected delays in other contracted generation. The APS levelized avoided capacity costs are \$190.10 per kilowatt-year in 2014 dollars." (written in 2013 - so that's a FOUR YEAR extension in predicted requirements for new generation capacity. <http://votesolar.org/wp-content/uploads/2013/01/Crossborder-Energy-CA-Net-Metering-Cost-Benefit-Jan-2013-final.pdf> "On average over the residential markets of the state's three big IOUs, NEM does not impose costs on non-participating ratepayers, and instead creates a small net benefit." <http://www.seia.org/research-resources/benefits-costs-solar-distributed-generation-arizona-public-service> "The study shows that distributed solar generation (DG) and net energy metering will provide Arizona Public Service (APS) customers with \$34 million in benefits each year. Using data from APS 2012 Integrated Resource Plan and other APS data, the study examines the costs incurred and the benefits generated by distributed solar over the useful life of a distributed solar system. The study also finds that for each dollar of cost, DG provides \$1.54 worth of benefits to APS customers. The net benefits for APS customers will amount to \$34 million per year beginning in 2015." <http://www.seia.org/sites/default/files/resources/AZ-Distributed-Generation.pdf> Clearly DG Solar is a benefit to the grid AND the power company, TEPCO in this case. TEPCO should be paying us, not the other way around. All of the above studies show that DG solar customer/providers "...NEM does not impose costs on non-participating ratepayers, and instead creates a small net benefit." While TEPCO claims they pay a "fair" rate for excess generated power from solar-providing customers, I have NEVER rec'd more than \$0.0204 per Kwh at the end of the year when they zero the Kwh credits amount into a bill credit. Why isn't this excess power paid at actual market value for daytime/peak clean power? There is a problem with TEPCO's current (past?) business model. All current customers will be consuming less electricity as their houses/buildings get more efficient with time. So unless there are LOTS of new homes being built, total power consumption will go down in the future. As more residences/small businesses add DG solar, the requirement for TEPCO to add additional generating capacity (and associated water cooling infrastructure, delivery stations, cabling, etc.) will also decrease. The school near my house is in the process of adding 1.5Mw of solar power. TEPCO's business (selling/delivering electrical power) will get smaller, per

E-01933A-15-0322

## Arizona Corporation Commission Utilities Complaint Form

client/customer. On a related note my brother lives in Las Cruces, NM and a couple years back installed a similar-sized DG solar array on his home. He receives an ~\$400 check each month from his power company for the excess power his system generates. That's ~\$4,600/year compared to TEPCO's rather unfair \$68.25/year billing credit. Electric cars are coming. Soon. TEPCO should also offer a LOWER evening power rate WITHOUT Demand Charges – as several power companies in Texas – for off-peak electric car charging. With the current proposed Demand Charges plan, charging an electric car could add \$750/month to a typical power bill. That will have a serious negative impact on electric vehicle purchases. This is bad. I've already paid for 25 years of power up front. That benefits TEPCO a tremendous amount. Please don't ask me to pay more. Regards, -Michael Fleming

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### Investigation

<b>Date:</b>	<b>Analyst:</b>	<b>Submitted By:</b>	<b>Type:</b>
7/29/2016	Roxanne Best	Web Submission	Investigation

Comments noted for record and docketed. Closed.

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## Arizona Corporation Commission Utilities Complaint Form

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**Investigator:** Mary Mee      **Phone:** <<< REDACTED >>>      **Opinion Date:** 8/3/2016  
**Opinion Number:** 2016 - 133657      **Priority:** Respond within 5 business days  
**Opinion Codes:** Rate Case Items - Opposed      **Closed Date:** 8/3/2016 9:24 AM

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**First Name:** Ron      **Last Name:** Kist      **Account Name:** Ron Kist  
**Address:** <<< REDACTED >>>  
**City:** Tucson      **State:** AZ      **Zip Code:** 85711

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**Company:** Tucson Electric Power Company      **Division:** Electric

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### Nature Of Opinion

**Docket Number:** E-01933A-15-0322      **Docket Position:** Against

I believe in power companies and I am pro-solar. I am against this rate increase based on no increase in social security in 2016.

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Investigation			
Date:	Analyst:	Submitted By:	Type:
8/3/2016	Mary Mee	Telephone	Investigation

Comments noted for the record and docketed. CLOSED

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