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**ORIGINAL**

**Arizona Corporation Comm  
Utilities Complaint Form**

**Investigator:** Jenny Gomez      **Phone:** <<< REDACTED >>>      **Opinion Date:** 4/20/2016  
**Opinion Number:** 2016 - 130200      **Priority:** Respond within 5 business days  
**Opinion Codes:** Rate Case Items - Opposed      **Closed Date:** 4/20/2016 3:01 PM

**First Name:** Ronald      **Last Name:** Will      **Account Name:** Ronald Will  
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**Company:** Arizona Public Service Company      **Division:** Electric

**Nature Of Opinion**

**Docket Number:** E-01345A-16-0036

**Docket Position:** Against

There are many uncounted Values of Solar Homes to both SRP, APS & Arizona These are the hidden and uncounted social and economic values that Solar Homes provide, yet are never counted in the Utilities arguments that Solar Homes are not paying their fair share. 1. What is the value to Arizona of 15,000 Solar homes not producing tons of chemical pollution, particulates and CO2 as they are from Coal or gas fired Generating stations? 2. What is the value to SRP/APS of Solar Homes that are still producing 50 to 60% of their peak power at the same time that SRP needs extra power at their peak Summer demand hours of 4 to 5 PM? 3. What is the value of Solar Homes reducing the need for SRP/APS to spend new capital to add extra Coal, Gas, Nuclear or even Solar generation plants? 4. What is the value of Solar Homes to SRP/APS producing extra power that only has to travel next door with no line losses compared to hundreds of miles of line losses from SRP/APS generating plants? 5. What is the value of Solar Homes extra power generation that is available to SRP/APS with zero capital investment and is completely paid for by the homeowner? 6. What is the value to Arizona of the Solar Homes business providing hundreds, if not thousands, of jobs in a valuable and growing pollution free solar Industry? 7. What is the value of Solar Homes to Arizona's image and future as a progressive state that rewards and not hinders hi-tech business entrepreneurship? 8. What is the value to SRP's/APS's reputation if it is considered the utility that killed the Solar Home business in one of the sunniest states in our great country? Below are the results of a California Study considering the value of Solar Homes to the larger CA utility provider. Consulting firm Crossborder Energy principal Tom Beach did a thorough cost-benefit analysis that was based on PG&E data and included a review of two previous cost-benefit analyses. It showed that if the higher value of the power not consumed due to the use of DG (Distributed Generation from Solar) is considered, the benefits to the utility are greater and the costs to the other ratepayers are offset. The biggest component of the benefit, Beach said, is the savings on power plant use and fossil fuel use. Such energy and capacity savings, Beach said, comprise 60 to 70 percent of the benefit to all ratepayers from the rooftop solar facilitated by NEM (Net Energy Metering). And, Beach added, transmission and distribution system savings avoid the costs of line losses and the need for new transmission that provide another ten percent to twenty percent of the benefits from NEM. Beach's calculations came to a net benefit from NEM of two cents per kilowatt-hour for commercial and industrial systems, a cost of two cents per kilowatt-hour for residential systems, and, in sum, no cost extra cost of any significance to ratepayers.

**Date:** 4/20/2016      **Analyst:** Jenny Gomez  
Arizona Corporation Commission

**Investigation**  
**Submitted By:** Telephone

**Type:** Investigation

Noted and filed for the record in Docket Control.

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