



Residential Solar PV Inspection Report

General Information

Homeowner Name	Amy Stark
Address (street, city, state, zip)	3298 W Five Mile Peak Dr. Queen Creek, AZ 85142
Realtor Agent Name / Email	N/A
PV Installer	Solar City / Tesla
Finance Type	Lease /Agreement (20 year)
System Type	Grid Tied
Inspection Date / Time	December 13, 2019 at 1:15pm
Inspector	Mike Craig
License	323541

Homeowner Questionnaire

Utility	SRP Salt River Project
Rate Plan	NA
Main Service Panel (Type / Size)	200amp Main Service / 2 pole 60amp breaker Solar Back-feed breaker
Module Type	Yingli Solar Module YL250P-29b / 250 watt modules See attached for Spec / Data Sheet
Inverter Type	Fronius IG PLUS 10.0-1-Uni See attached for Spec / Data Sheet
Solar PV System Size	(44) Yingli 250w = 11,000DC watts 11.0kW
Number of Arrays	2 arrays ... (22) modules facing east (22) modules facing west
Azmuth	90 & 270 degrees
Tilt Angle	20 degrees
PV Watts Production (Yearly / Monthly)	16,752 kWhs AC / yearly ... see attached for break down monthly along with money savings

Estimated Saved Yearly	\$2,344 (based on 13 cents a kWh – average across service plans) You have a lease payment – you are far ahead
Actual Production	NA – need to see monitoring or SRP bill
Code Compliances	
NEC National Electric Code	System meets NEC labeling / installation
AHJ / Permit	Pinal County – Permit# 14-03185 – Pass Green Tag 12-16-14

FINAL NOTES: You're GOOD TO GO. This solar system was well installed with quality equipment of the time of install. You can take comfort is knowing Solar City estimated production at 14,995 kWhs for first year while PV Watts (Dept. of Energy web site) is quoting higher. You are also ahead of your savings, your payment is roughly half your energy saving. Keep in mind you do have a 2.9% escalator in your lease payment each year (you are still way ahead).

Please see attached for (Dept of Energy) PV Watts calculation for your solar system. This calculation breaks down your solar system production and monetary savings monthly and sums it up for the year, it's fun to look. Also, if you're having trouble sleeping, see attached data sheets regarding your solar modules and inverter. These data sheets are mainly for engineers to calculate string sizing along with voltage and amperage ranges. I include the data sheets in every report so the buyers can see the actual equipment used in their solar system, it also provides your warranty information.

I would be happy to compare actual system output to expected system output anytime in future at no additional fee.

Finally, SRP offers different service plans. When / if you move into ANY **SRP** home make sure you do **NOT** sign up with a rate plan that includes **DEMAND** charges (always go with a time of use service plan). I can help you with this when on-boarding with SRP if you like, I have for this for many buyers (basically a conference call that last a few minutes).

If you have any questions / comments, please don't hesitate to reply / call.

Sincerely,

Mike Craig
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