



The Simple Guide to Rooftop PV Sizing

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Stefan's guide to sizing:

Cover the Roof*

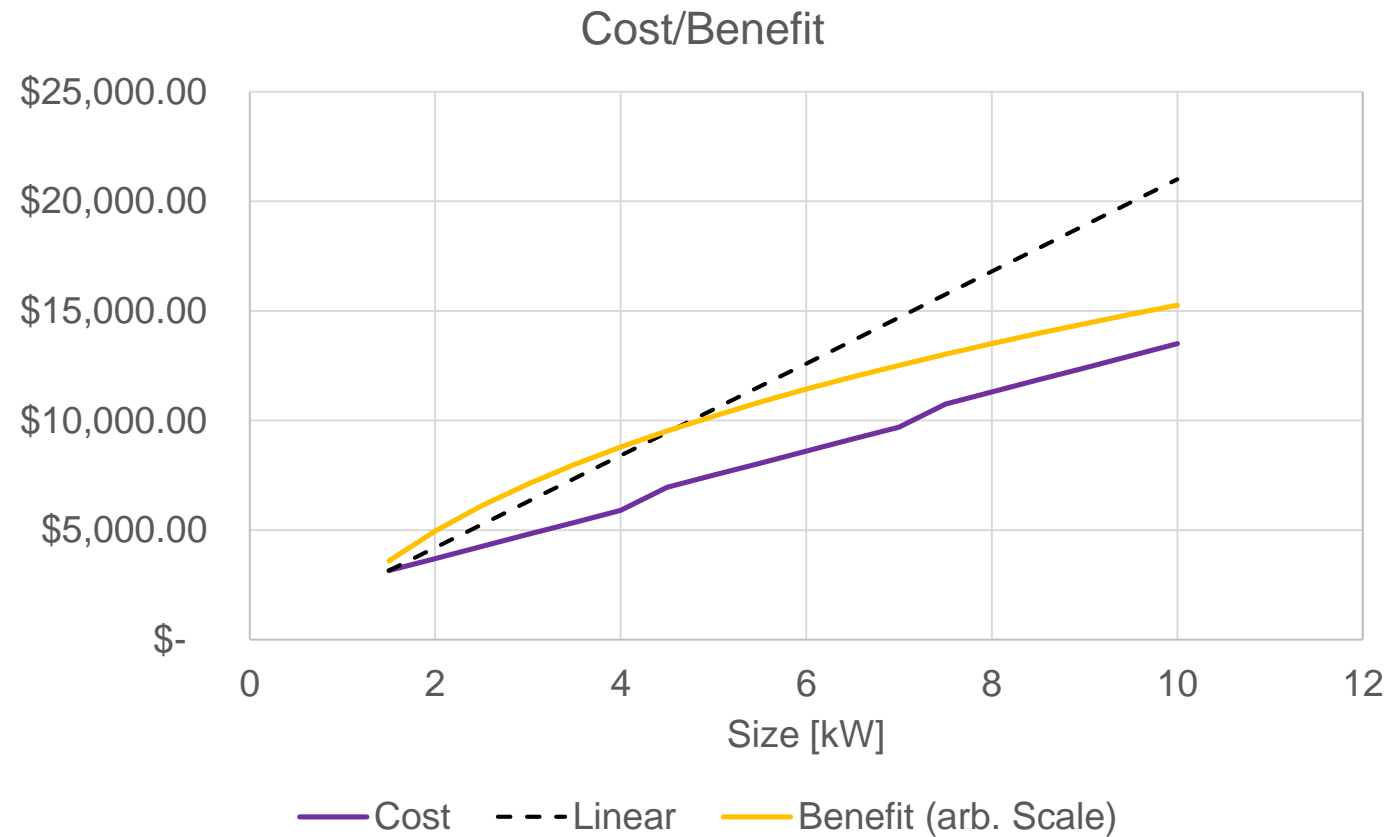


* In most cases, subject to installation practicalities and depending on several assumptions, including future tariff and network changes

Jono's caveat:

- * In most cases, subject to installation practicalities and depending on several assumptions, including future tariff and network changes

Marginal cost/benefit



pv-map.apvi.org.au/sunspot



[Live Solar PV](#) [PV Performance](#) [Solar PV Status](#) [Market Analyses](#) [SunSPoT](#) [Solar Animation](#) [PV Postcode Data](#)

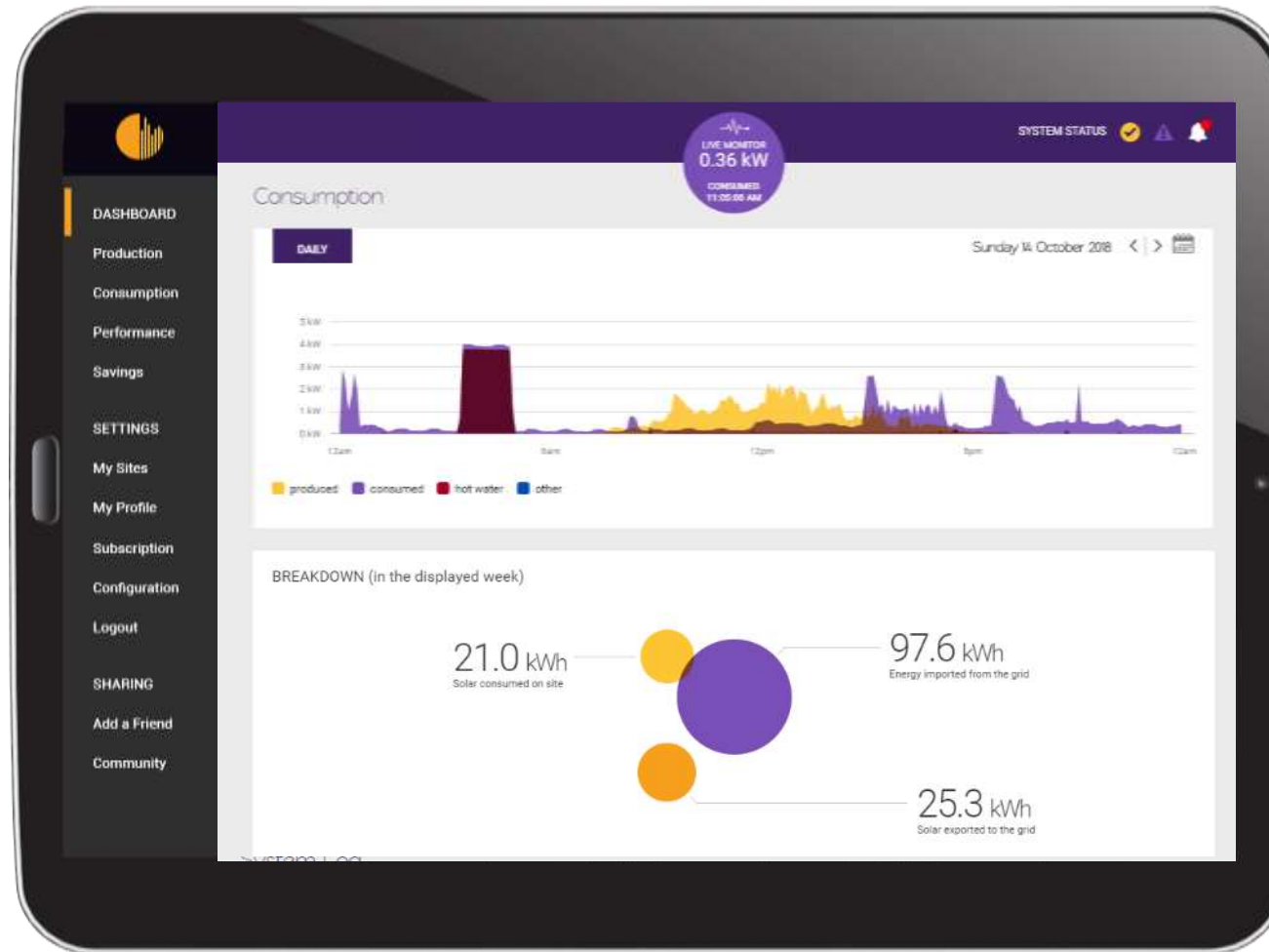
SunSPoT Solar Potential Map

[? Help](#)

More information on how to use the map is located [here](#)



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Assumptions

- < 15 year payback
- 6% Interest rate
- Fixed cost = \$1500 per site
- + \$500 per additional roof section
- Variable cost = \$1100/kW (inc. \$600/kW STC rebate)
- ~20kwh/day average gross consumption
- Best available tariffs
- Diminishing self-consumption
- No pre-existing solar

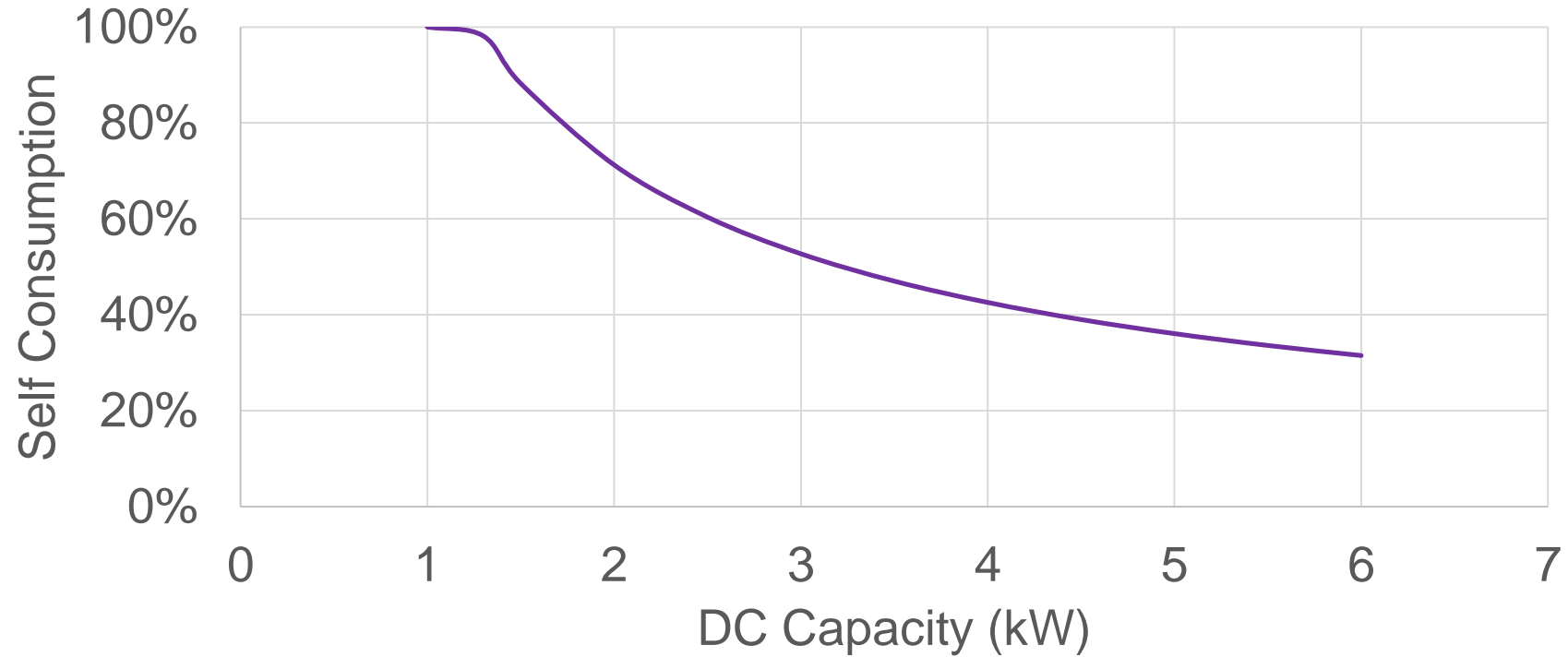
Best available tariffs

Rates	Residential Solar Saver	Residential Savers Online
Solar FiT	20c/kWh	11.1c/kWh
General usage	31.79c/kWh	31.79c/kWh
Usage discount	0%	23%
Guaranteed period	2 years	1 year

<https://www.agl.com.au/help/rates-contracts/energy-price-fact-sheets?Postcode=2016&CustomerType=Residential&FuelType=Electricity&TariffType=Single%20Rate&Plan=All>

Diminishing self-consumption

Aggregate Self Consumption / DC Capacity for NSW



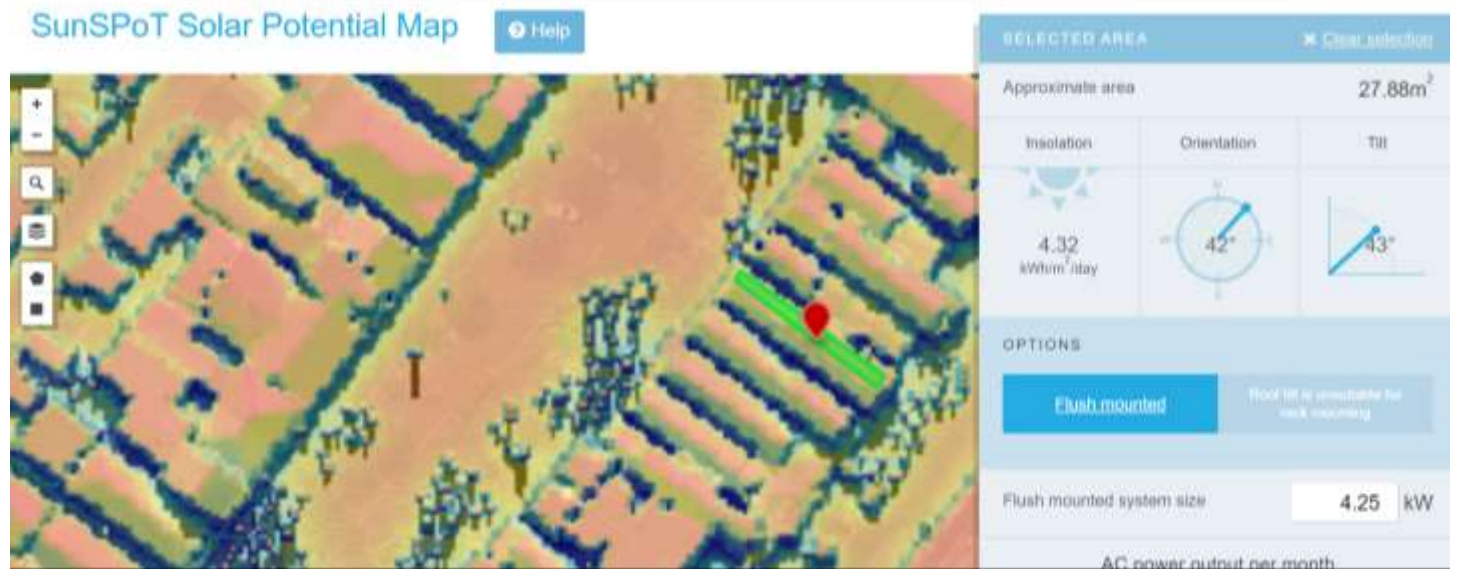
Stefan's House



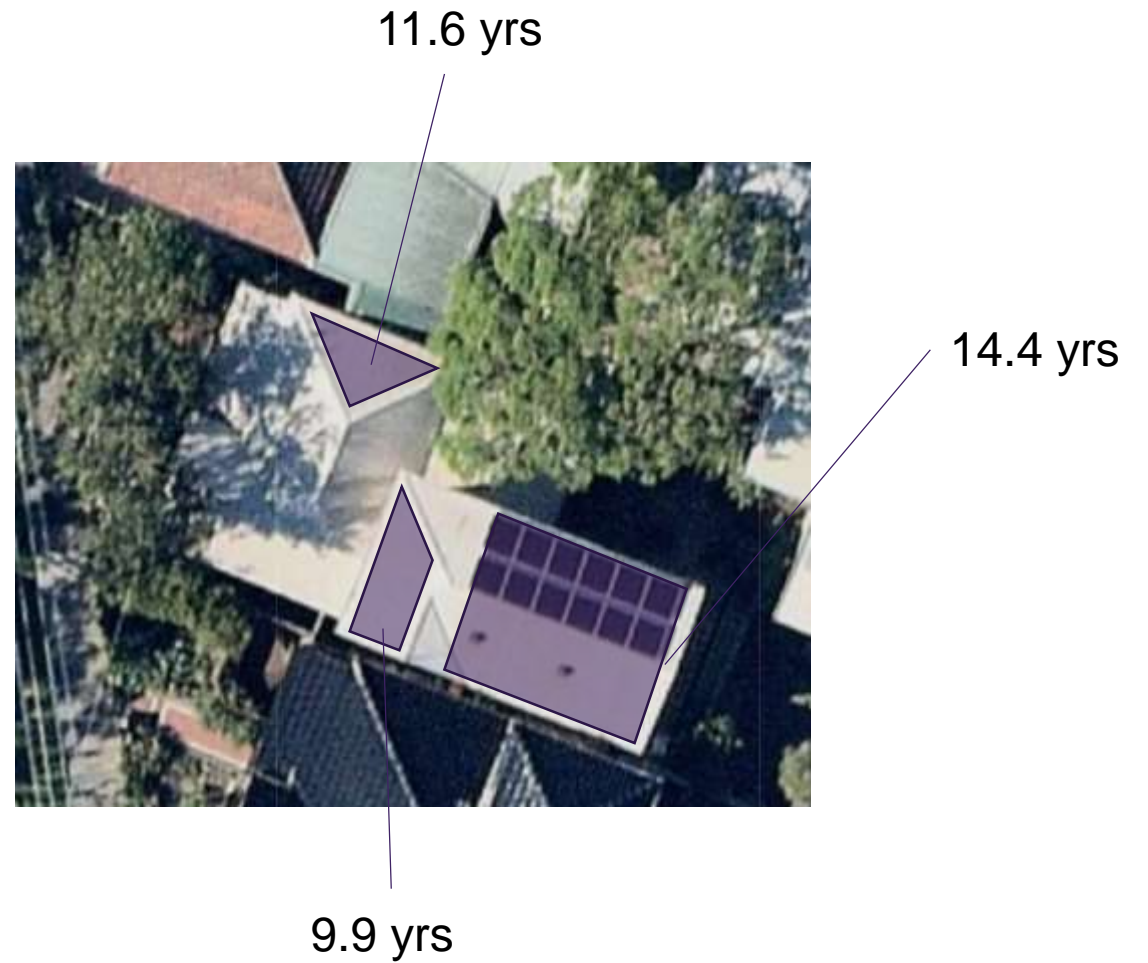
6.64yrs



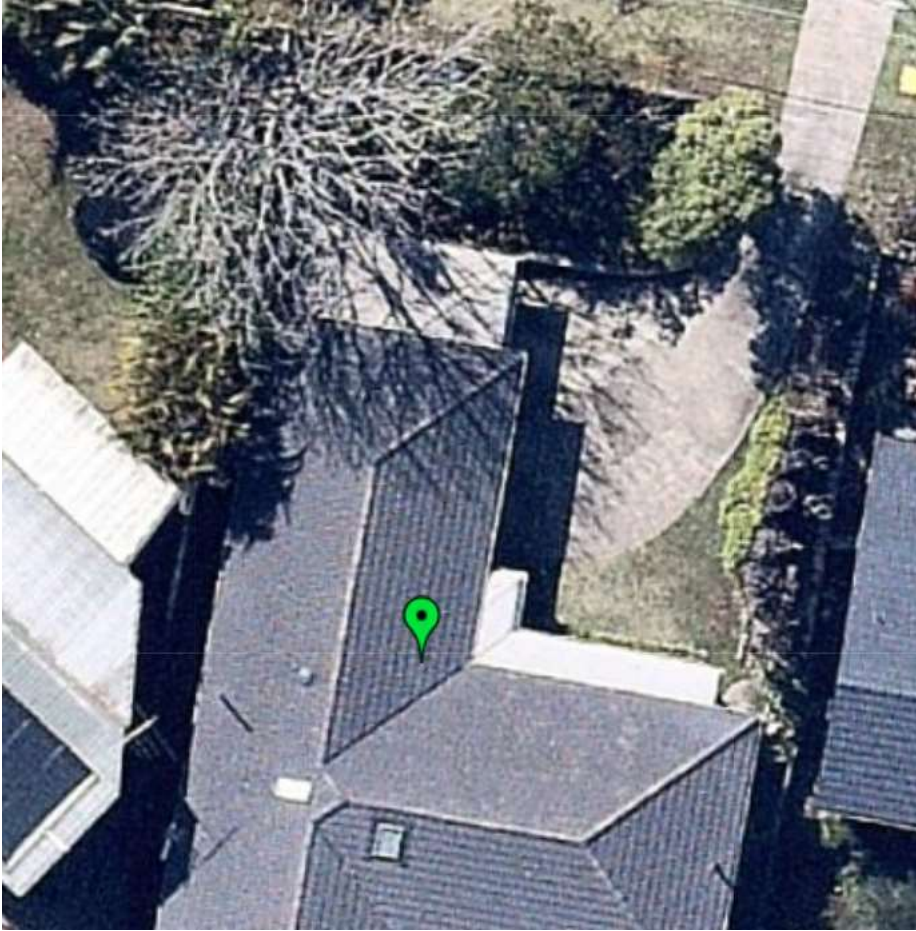
8.16yrs



Renate's House



Too much shading?





Cover the Roof!

- Tariffs uncertain
- Future export limits?
- New opportunities (P2P?)
- Avoid horribly shaded areas
- They don't make triangular panels

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