

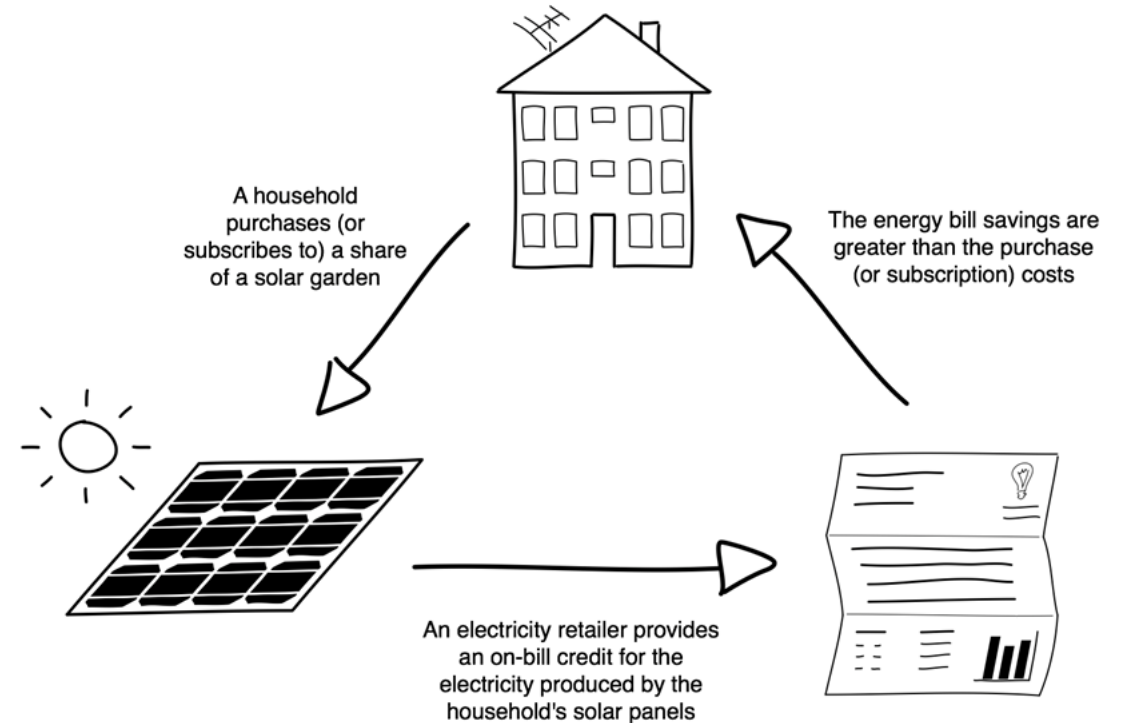
Solar Gardens Proposal

4th of April, 2019

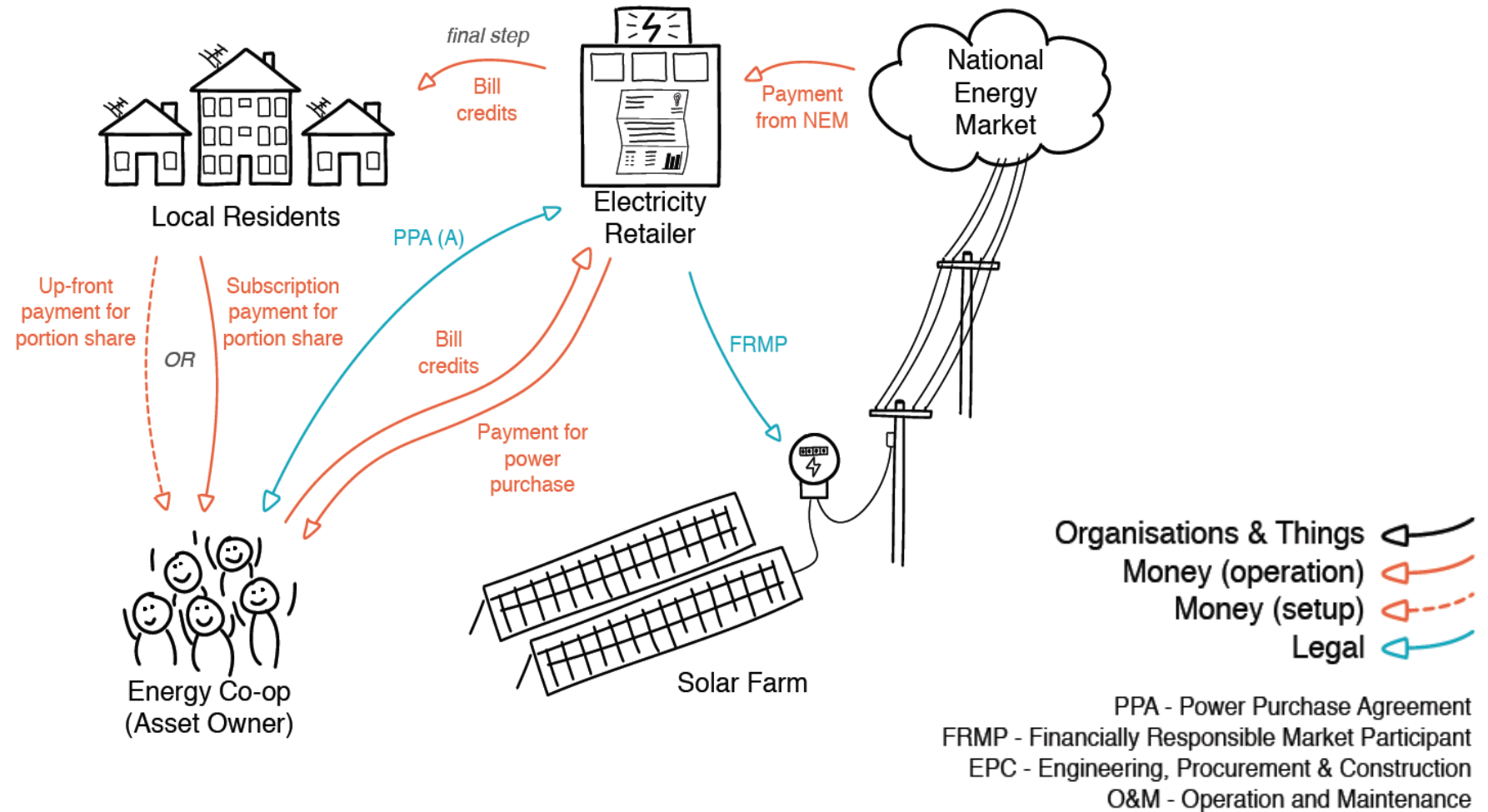
What is a Solar Garden?

“Locked out” user

- Unsuitable rooves
- Apartment dwellers
- Renters
- Low-income



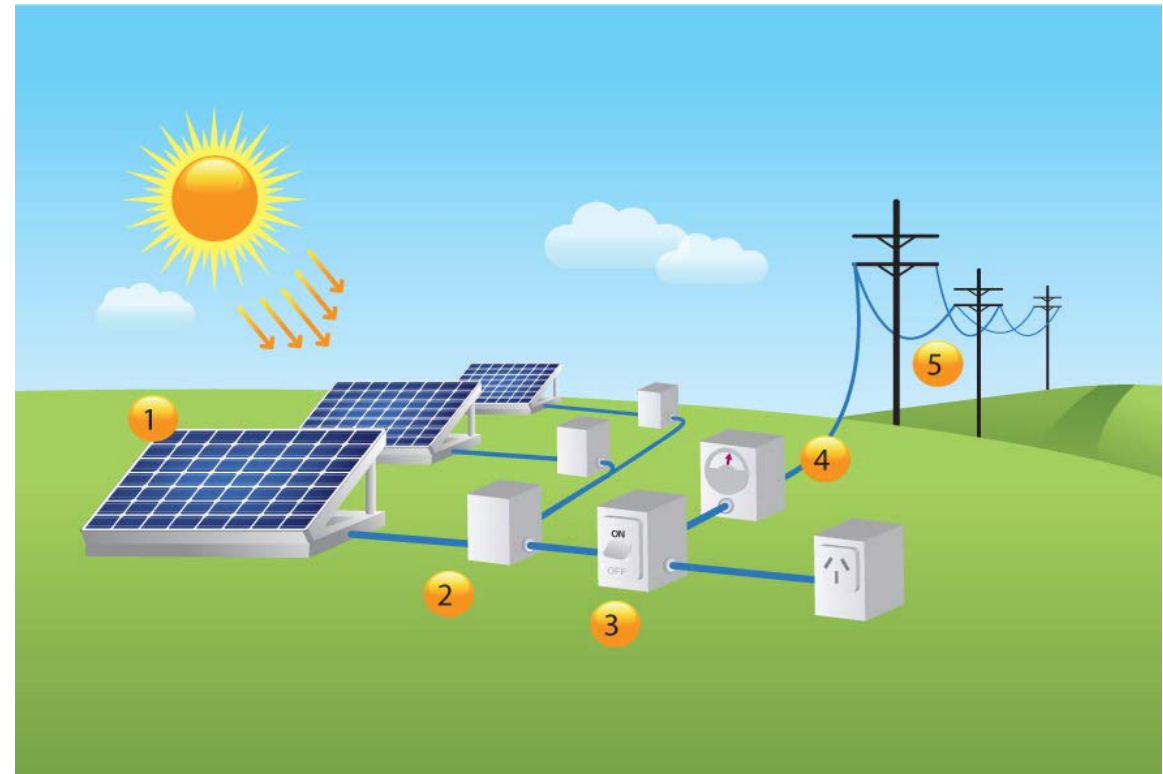
What's the (business) plan?



The Solar Farms

Requirements

- Large level area (greenfield)
Or
- Very large roof space
- Very low cost of land
- Close grid high capacity connection or substation
- Zoning and approvals
- Minimum 1MW DC
- < 1.4 mil/MW operational



Example solar farm

- 23,000 sq meters
- Connection to nearby substation (6MW capacity)
- Ex-landfill site
- 2.6MW system
- Total: 3.39mil (1.3mil/MW)
- Approx. 450 households/investors



How does it look for households?

Household

- Initial investment: \$6000
- # kW in solar farm 5.7kW
- Ave. on bill saving p.a. \$341
- Return on Investment 5.7%

Why a solar farm?

Solar Garden

- Installed cost: \$1,100-\$2,000/kW
- Time of use or storage
- Can be aggregated
- Broader community appeal and involvement

Roof top solar

- Installed cost: \$1,000/kW
- Time of use (behind the meter)
- Can't be aggregated without specific software.

Local area opportunities

Opportunities for Council

- 1st Australian Solar Garden
- Reduce local carbon footprint
- Help reach climate change mitigation goals
- Supporting local households
- PPA – Green power purchase for Councils and large energy users