# Clean Energy Access

## Barriers & Solutions

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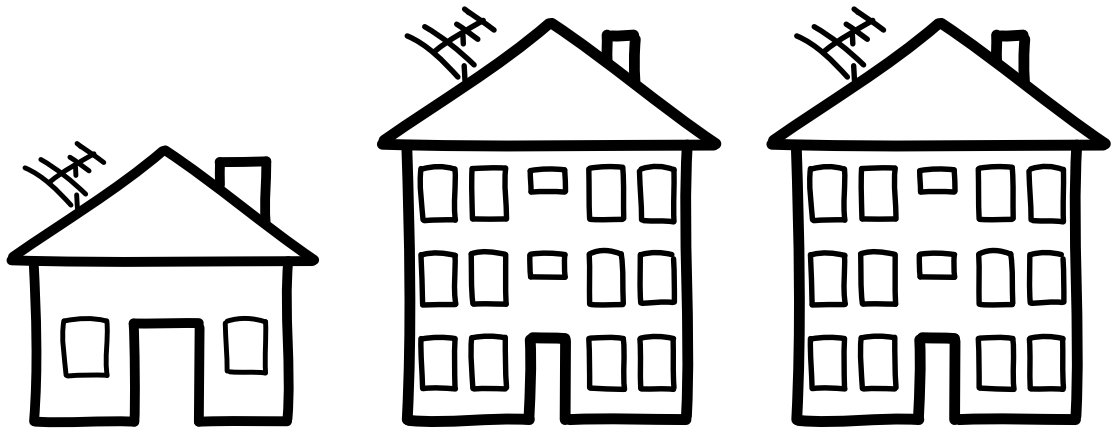
# “Locked out” energy users

Census quick stats - housing

- 29.6% renting
- 13.6% apartments



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# No silver bullets

**Too many barriers**

*Split incentives*
*Ability to pay*
*Complexity & confusion*
*Credit risk*
*Lack of information*
*Lack of viable models*

**Too many different types of people locked out**

*Aboriginal communities*
*Low income households*
*Private renters*
*Public housing tenants*
*Apartment dwellers*
*People who are confused*

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# How it fits together

| Customer segments | Primary barriers | Solutions | Secondary barriers |
|---|---|---|---|
| Low-income households | Upfront cost | Grants<br>Low/zero interest loans | Funding availability<br>Credit rating |
| Renters (social/pubilc) | Split incentives | Loans for social/public housing providers<br>Solar Gardens | Repayment mechanism prohibited under Federal Regs<br>See below |
| Renters (private) | Split incentives | Rates financing<br>Solar Gardens<br>Landlord/tenant split the benefit<br>Incentivise landlords | High cost business models<br><br>Federal/state leg change required |
| People who live in apartments | Split incentives<br>Unsuitable roofs | Strata solar<br>Solar Gardens | High administrative barriers |
| Other/potentially all | Unsuitable roofs<br>Complexity and confusion | Solar Gardens<br>Smart Energy Communities program | Funding availability |

# Three important areas!

**Accessibility**

- Split incentives
- Common property complexity
- Unsuitable building/roof

**Affordability**

- Lack of up-front capital
- Not credit worthy

**Simplicity**

- Maximise uptake
- Minimise risk of default

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# Too many pilots not enough airplanes

***We need a serious package of measures over at least a decade to make clean energy for all a reality.***

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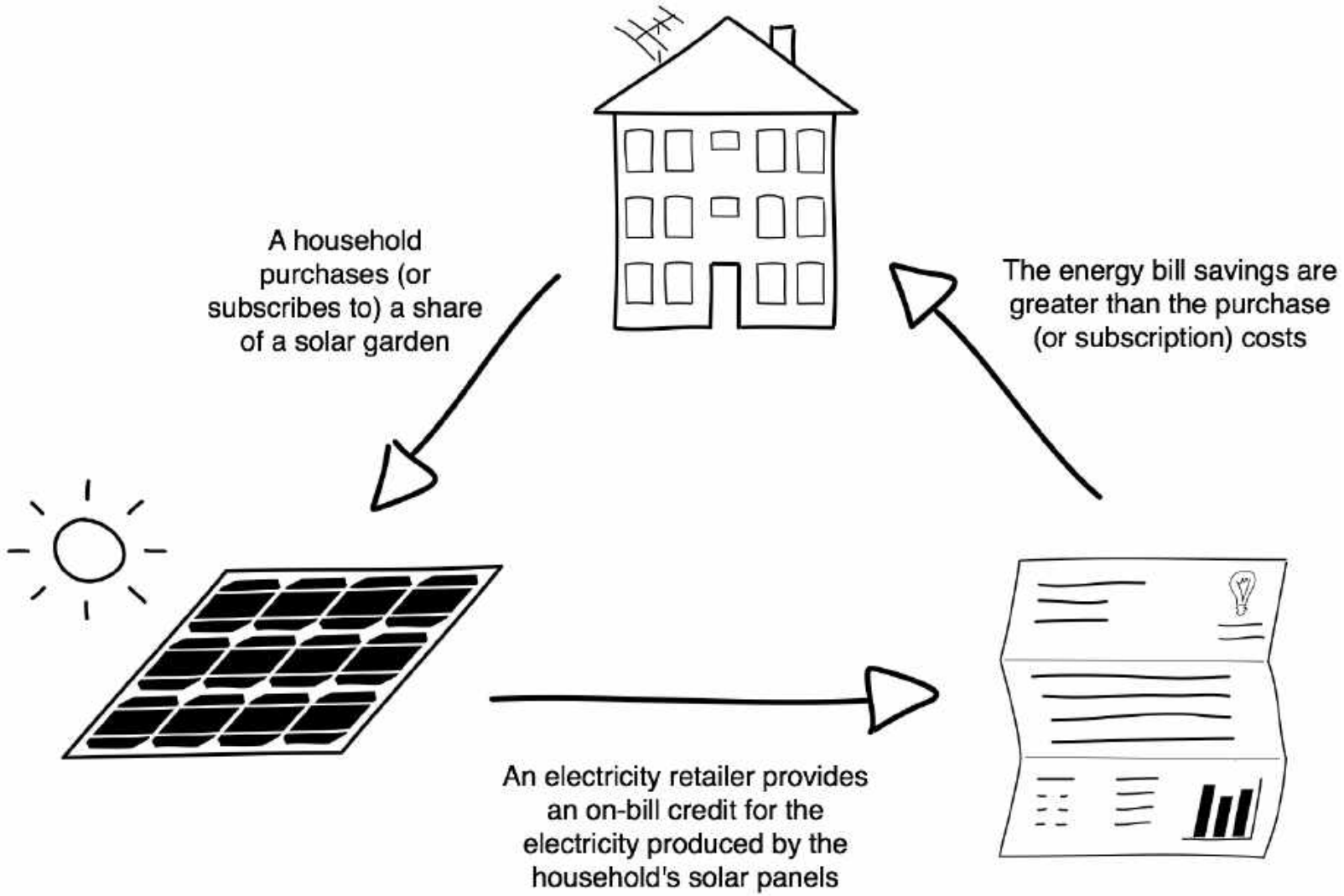
# Solution – Social Access Solar Gardens

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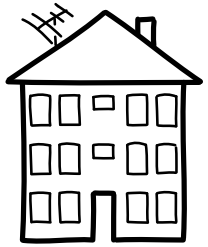
# Social Access Solar Gardens Project



**'Locked out' energy users**

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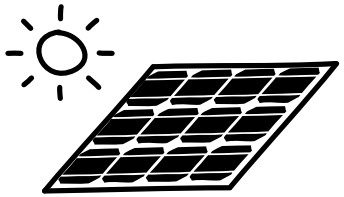

**Solar farms**

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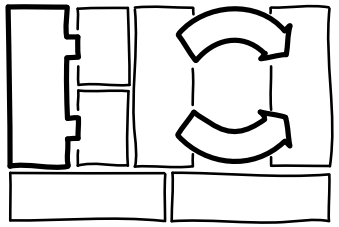

**New business model**

+

**Electricity retailers**

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# Project outcomes

- Between 1 and 4 pilot projects ready to implement, underpinned by business models that are desirable, viable and feasible

  OR

- Barriers preventing pilots clearly understood and solutions identified + socialised with stakeholders able to implement them (e.g. state govt)

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# Project hypothesis

That a Solar Garden business model can be created which is:

- Desirable to low income renters
- Feasible for energy retailers
- Viable for all parties (customers, retailer/ project developer, and for local & state governments)

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# What we're doing

**Institute for Sustainable Futures**
***Project Director***

**Community Power Agency**
***Project Manager & Facilitator***

## Research Streams

Do consumers want it?
What are the motivation(s)

**Financial Assessment**
Does it stack up?

**Legal Advice**

## Prototype Teams

Undertake planning for a project (everything from site feasibility to how to recruit customers) – end up with statement of intent about whether to take it forward
Four teams = four answers (or more)

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# Prototype teams


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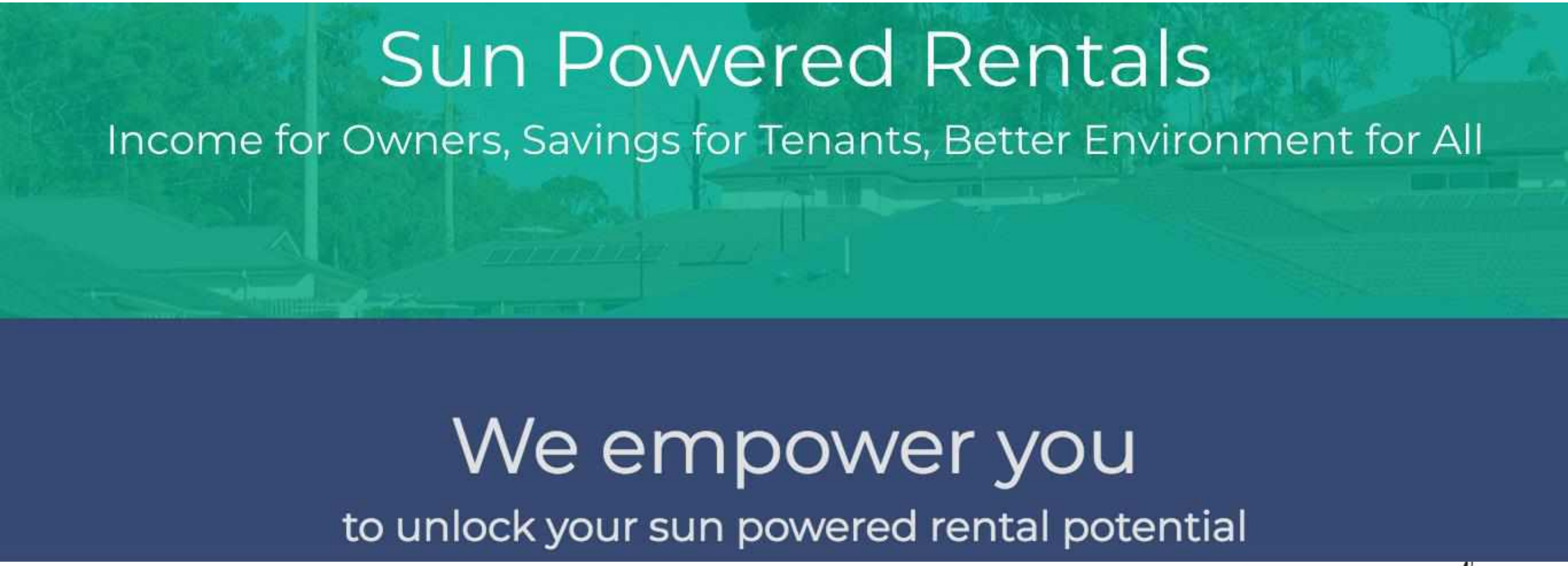
# Solution – Solar $avers (Rates Financing)

# Solution – Indigenous Clean Energy

Pingala

# Solution – Sun Tenants

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# Solution – Smart Energy Communities Program

MEFL + National Network + Grants + Underwriting = Smart Energy Communities Program

**Information, Expertise, Coordination, Support**

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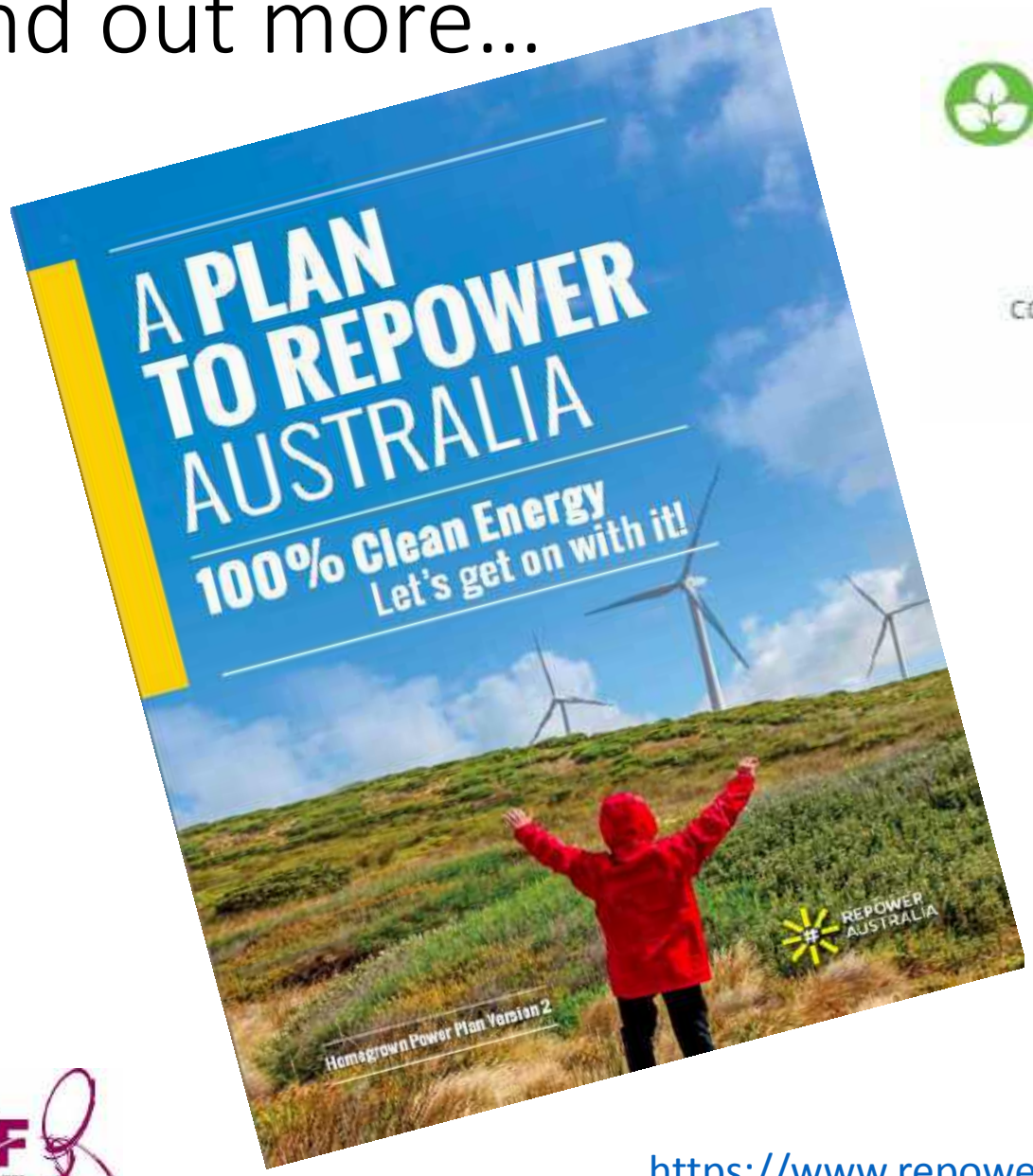
# Find out more…




AUSTRALIAN CONSERVATION FOUNDATION

GetUp!

350 Australia

SolarCitizens

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environment victoria

Nature Conservation Council

*Clean Energy for All - 30 page outline of the policies that could help deliver and scale-up these solutions*

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https://www.repoweraustralia.org.au/how

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