Best case scenario

Local energy and climate change resilience

Discussion paper
September 2019

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TEC Energy Market Advocate

ENERGY SYSTEM RESILIENCE WORKSHOP

Help us to design a more resilient energy system

TEC, ENA and ANU are organising a free full day interactive workshop in Sydney on **climate change resilience in the electricity system**, with a focus on the role of distributed energy resources (DER).

It will be a great opportunity to think beyond emergency responses to imagine a system that is resilient to a range of more frequent, intense and long lasting severe weather events: bushfires, heatwaves, severe winds and floods.

We will explore a range of potential responses including

- De-energising power lines at risk
- Stand alone and islandable power systems
- Undergrounding power lines
- Stand alone and islandable microgrids

These options will be explored from a variety of perspectives including

- Technical needs
- Regulatory barriers
- The optimum mix of large scale and local solutions
- Equity — who pays and how
- Engaging with local communities

When: 9.30-4.30, Monday 6 April

Where: Aerial function centre, UTS, Sydney (Building 10, Level 7/235 Jones St, Ultimo)

Who: consumer advocates, networks, market bodies, academics, new tech

Facilitator: Trina Skidmore, Innerchoices

To register your interest or for further information please contact

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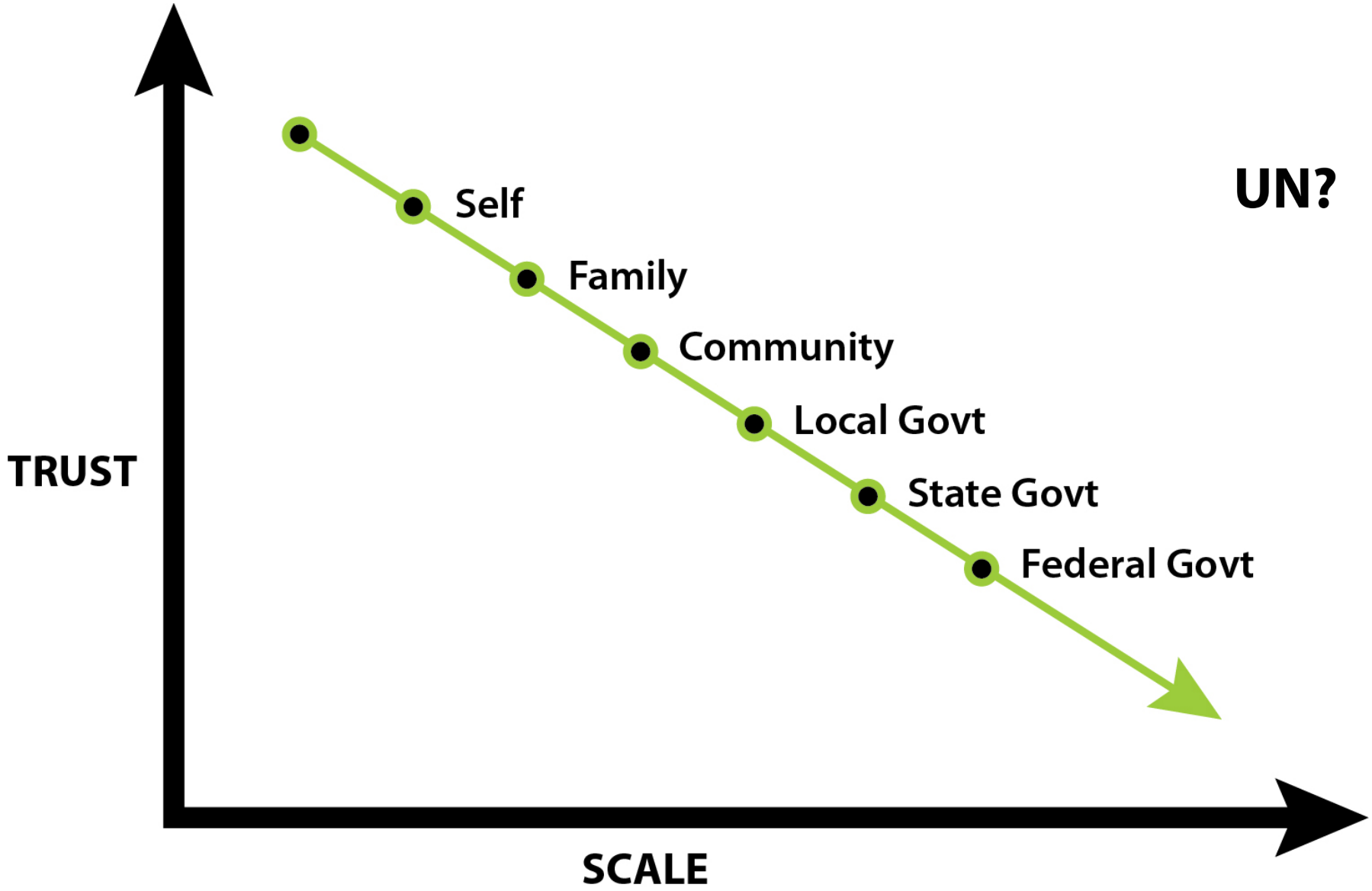
Please note that numbers are strictly limited. Agenda to follow. A follow up workshop may be held.


WATERSNAKE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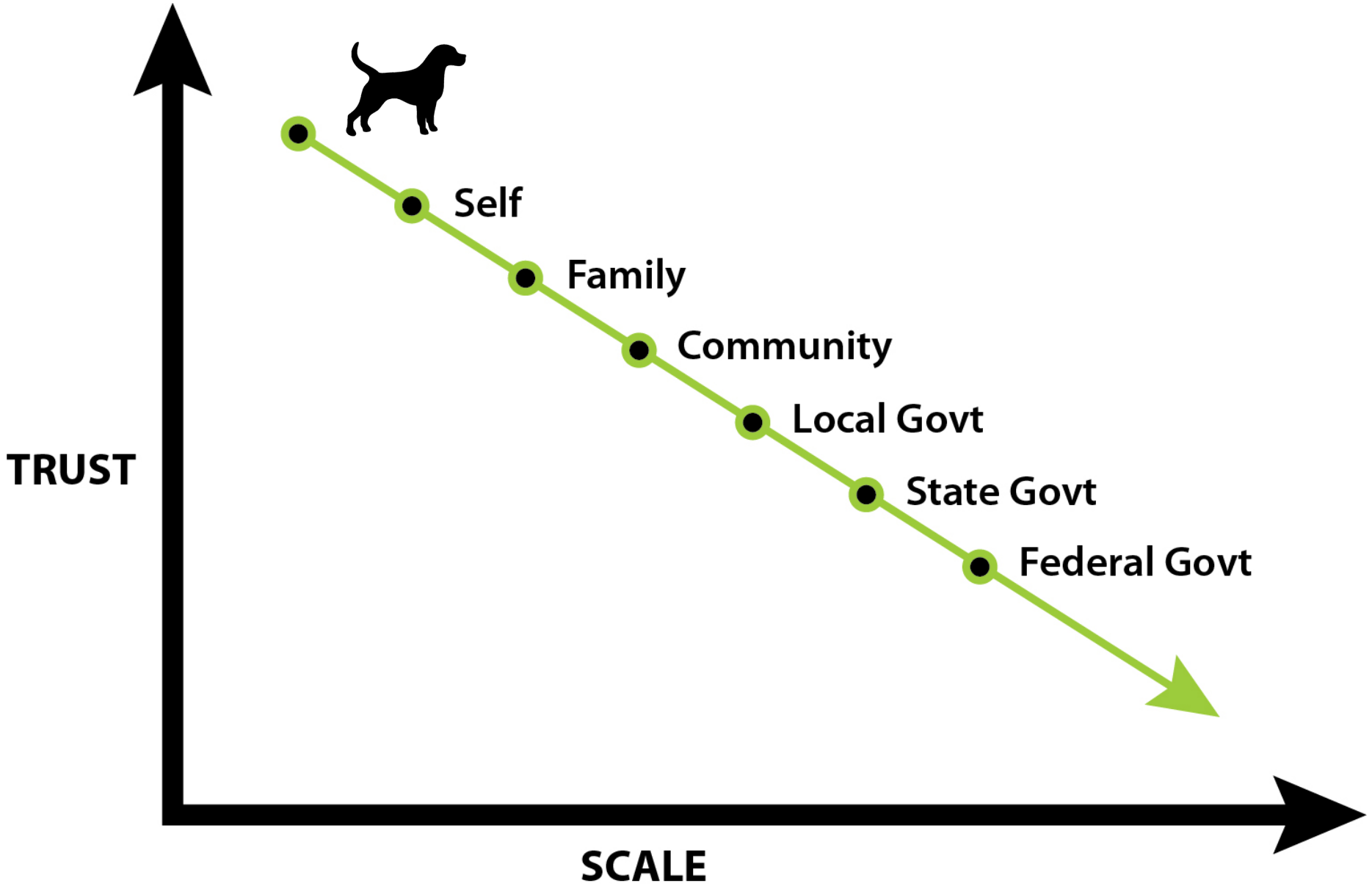
Self
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Offgrid

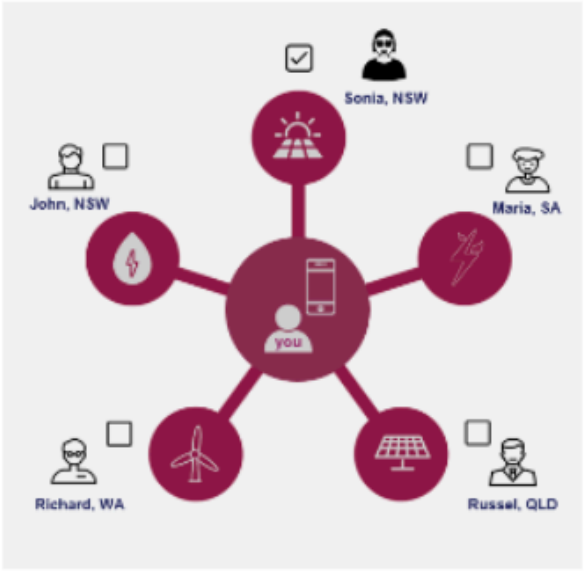
Local

Centralised

Concept 3

An Energy Community

What did participants' see?



Imagine if a company and/or technology connected you directly to consumers around Australia that you could buy and sell energy from.

You can actively choose what kind of energy to use (e.g. solar, wind, hydro) and who you're buying it from – usually people like you who have a solar panel or battery that generates more energy than they need/consume.

Why is it good to buy from others?
You have a positive impact in your community by giving money to people and families like you. You are keeping money in local communities as opposed to buying from energy retailers.

This new technology also allows you to know where the energy comes from, building a more transparent energy system.

UKERC
UK Energy Research Centre



Transforming the UK Energy System: Public Values, Attitudes and Acceptability

Synthesis Report

We conclude that public acceptability may only be achieved if it is rooted, in a significant way, in the described value system. Publics are unlikely to settle for a form of change that does not show signs of commitment to the longer-term trajectories commensurate with these values. If actors do not consider and take into account public values in their decision-making, resistance to energy system transformations or conflict over particular issues is more likely to result. However, pursuing energy system changes in ways that are in keeping with longer-term trajectories aligned with public values could form the basis of a social contract for change.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