

Te Pātaka o Rākaihautū
Banks Peninsula Community Board
MINUTES ATTACHMENTS

Date: Monday 11 March 2024
Time: 10 am
Venue: Lyttelton Community Boardroom,
25 Canterbury Street, Lyttelton

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Lyttelton Energy Transition Society

Presentation to

Te Pātaka o Rākaihautū Banks Peninsula Community Board

11/03/2024



LETS

Please relax...

We are not pointing out any deficiency that needs your urgent action

We are not after your endorsement or support

We are not badgering you for money (yet)

We are a new local not-for-profit organisation and this is just for
your information

What is the **Energy Transition** about ?

1. Electricity generation from local renewable sources like solar and wind
2. Local community controls local electricity generation and distribution
3. Local grid designed for distributed generation, storage and consumption
4. Learn to live within the limits renewable energy provides

As a result community members have **equitable access** to electricity, the supply is more secure, self-reliant and Lyttelton is **prepared** to sustain the effects of climate change and the phasing out of fossil fuels.



Local ownership and control

Resilience, secure and reliable supply

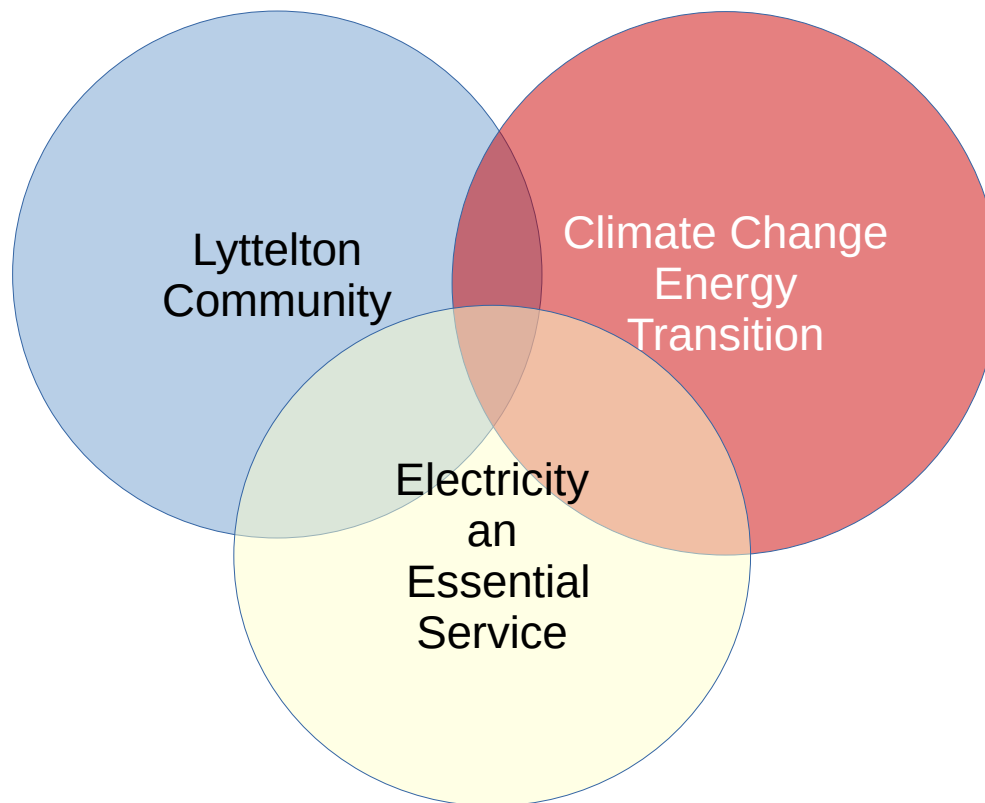
Equitable access

Efficient energy use, demand management



LETS

Needed for light, transport, cooking, refrigeration, heating, cooling communication, shopping, water, sewage etc. There is no readily available substitute.



Double generation in the next 26 years

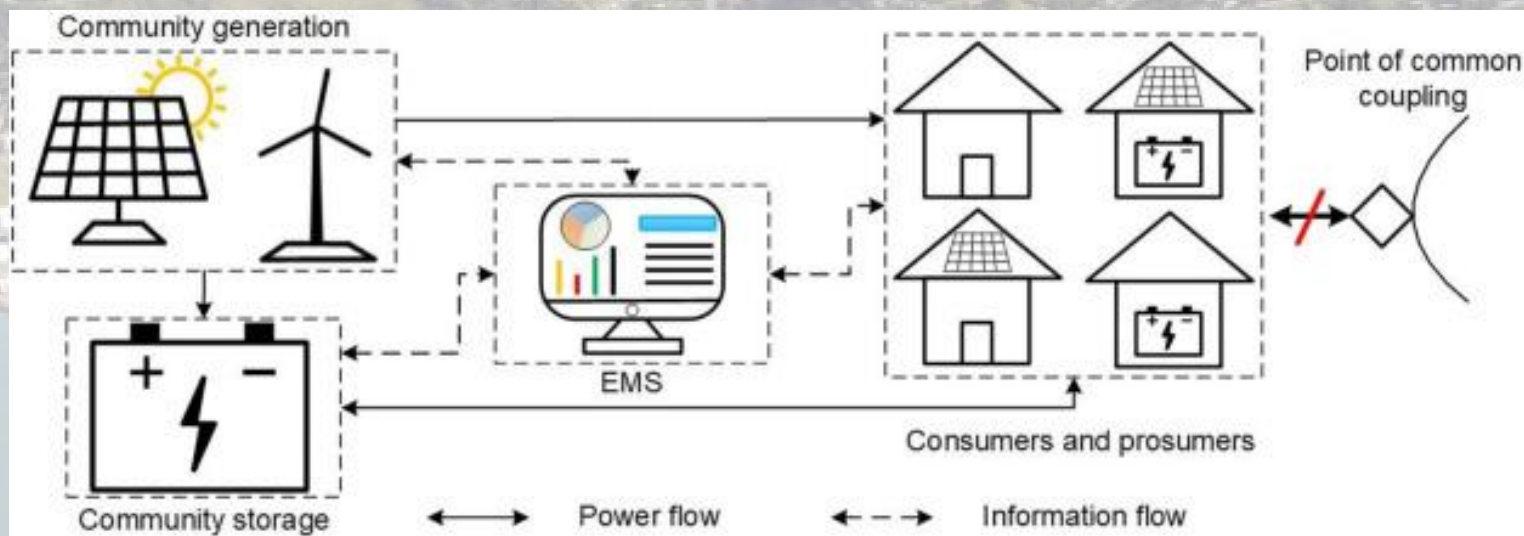
Replace fossil fuel generation with renewables

Renewables are intermittent: storage solutions

Grid topology has to change

A possible long-term Vision

A community microgrid as we see them in Australia



LETS

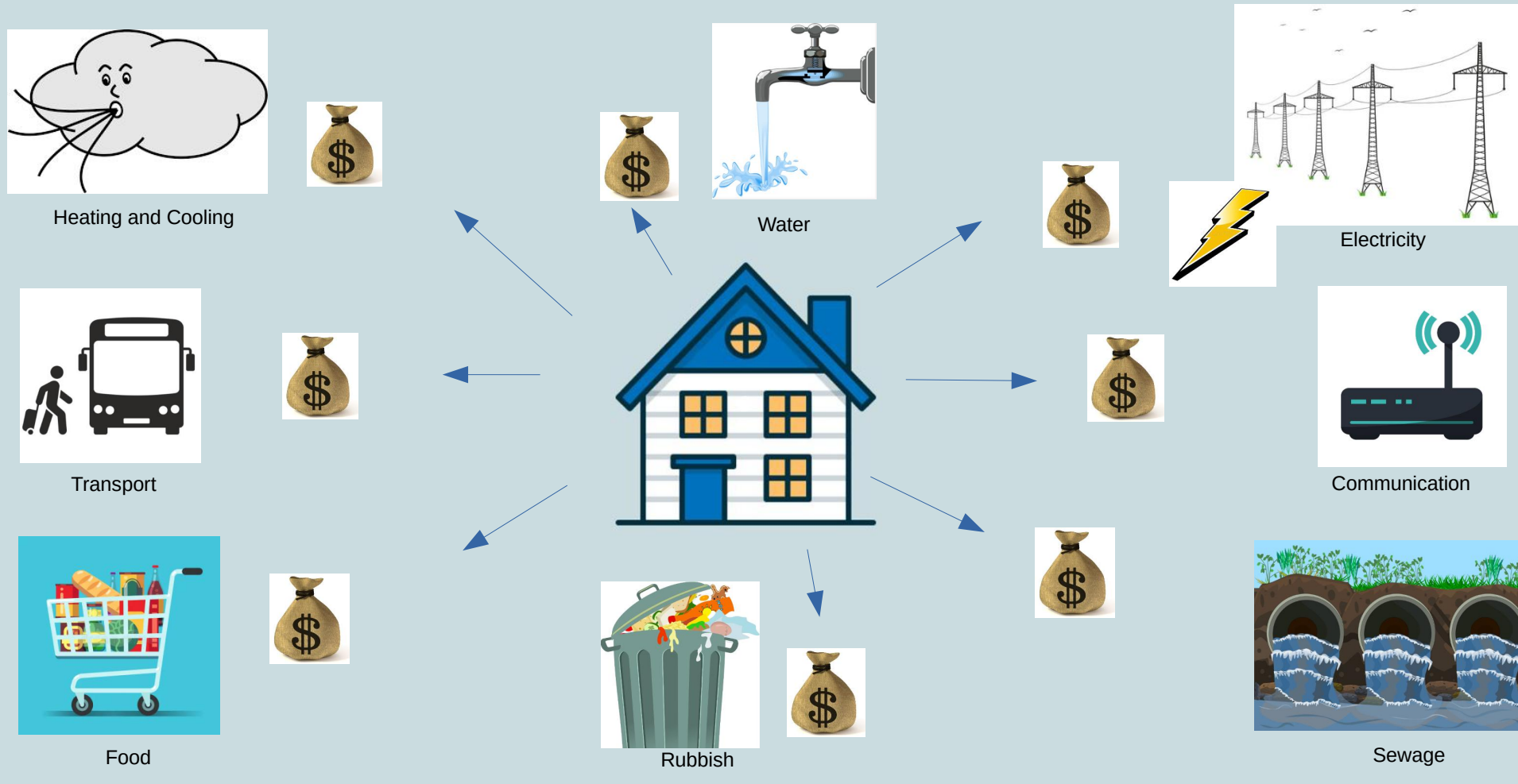
The Road Ahead - Climate Change

The NZ electricity sector was corporatised in 1987 and privatised in 1998

The main objective, as for all for private companies, is to maximise the benefit for shareholders, the wellbeing of electricity consumers is not a consideration.

The current structure prohibits the electricity sector to deal with climate change
Electricity is an essential good like water and has to be produced and used within environmental limits.

How can we learn of environmental limits if we just know the limit of our money



Lyttelton Energy Transition Society

Any Question ?

Contact: communityenergylytt@gmail.com

