

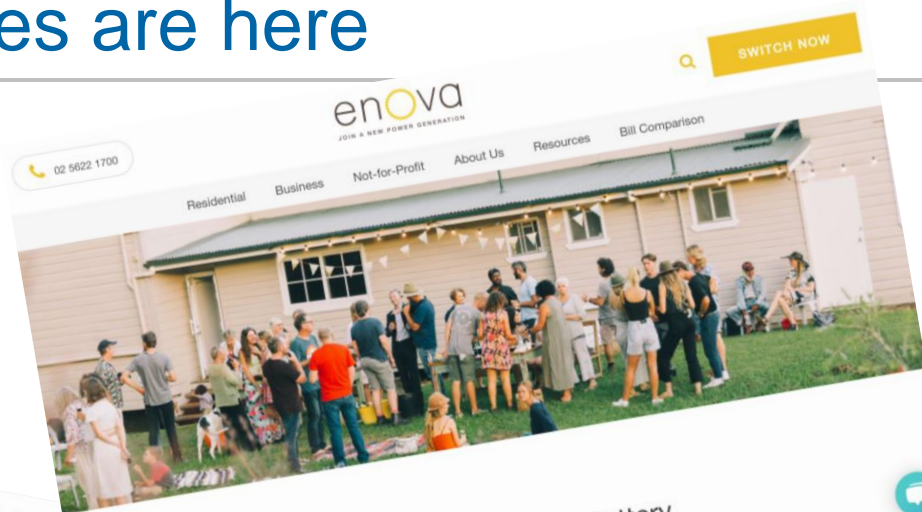


Ausgrid community battery trial

Special interest briefing
16 August 2021



Batteries are here



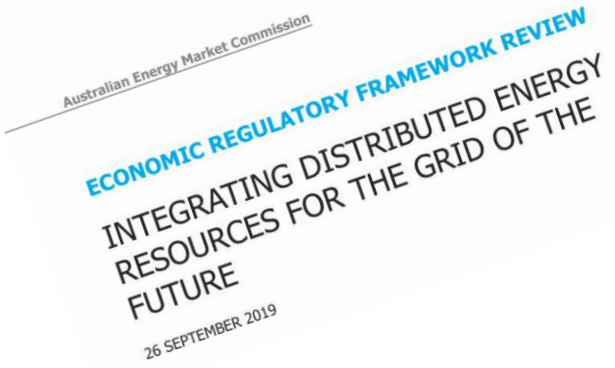
Shared Community Battery



The Health of the National Electricity Market

2019
ENERGY SECURITY BOARD

Volume 1: The ESB Health of the NEM Report



Where are batteries best placed?

Community Battery trial in Ausgrid's network



Partnership with Northern Beaches Council - Strategic context

- The community battery trial at Beacon Hill aligns with Council's strategic aims to provide:
 - leadership in environmental sustainability
 - support the uptake of solar in the community
 - build resilient communities
- Specifically, it supports Council to deliver commitments identified in the:
 - Community Strategic Plan
 - Local Strategic Planning Statement
 - Environment & Climate Change Strategy



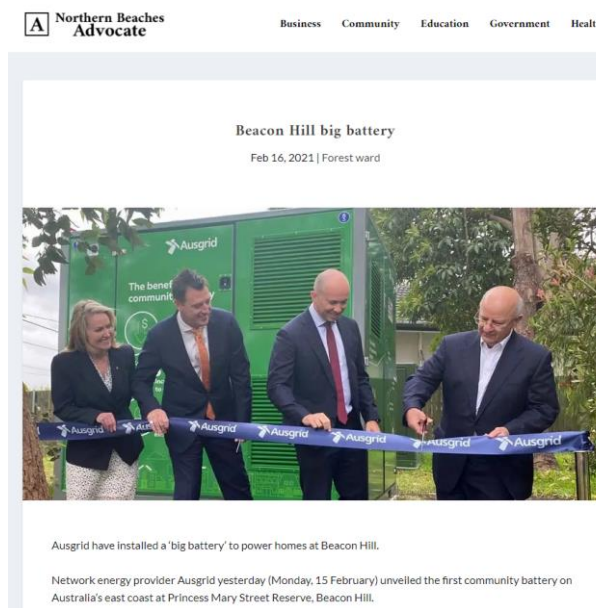
Community Battery Trial – Testing Benefits for solar customers

- Solar customers don't have to install and maintain their own battery.
- Solar customers can receive more benefits from the clean energy they generate.
- Community batteries can help reduce energy prices by offering a flexible alternative to traditional poles and wires investment.
- Increase the number of batteries in the energy system, which can reduce peak demand and place downward pressure on energy prices.
- Community batteries are not designed to provide energy during outages.
- Offer a cheaper way to provide storage to the community as larger, shared batteries are cheaper to buy and maintain than lots of smaller, individual batteries in homes.



Ausgrid's first community battery: Beacon Hill

- Launched February 2021
- Size is similar to a 4WD
- Weighs five ton (similar to an adult elephant)
- Can support around 50 solar customers
- Is a mid-sized lithium-ion battery
- Units will comply with strict noise guidelines
- No cost to Council or customers in the trial
- On average Beacon Hill trial participants are expected to save up to \$200 per year on electricity costs.



The Northern Beaches Advocate, Feb 2021

Electricity distributor Ausgrid launches first community battery project in Sydney



Energy Storage News, Feb 2021



7NEWS - Community solar battery unveiled in Beacon Hill, Feb 2021



Game changer: Battery trial to shave hundreds off power bills

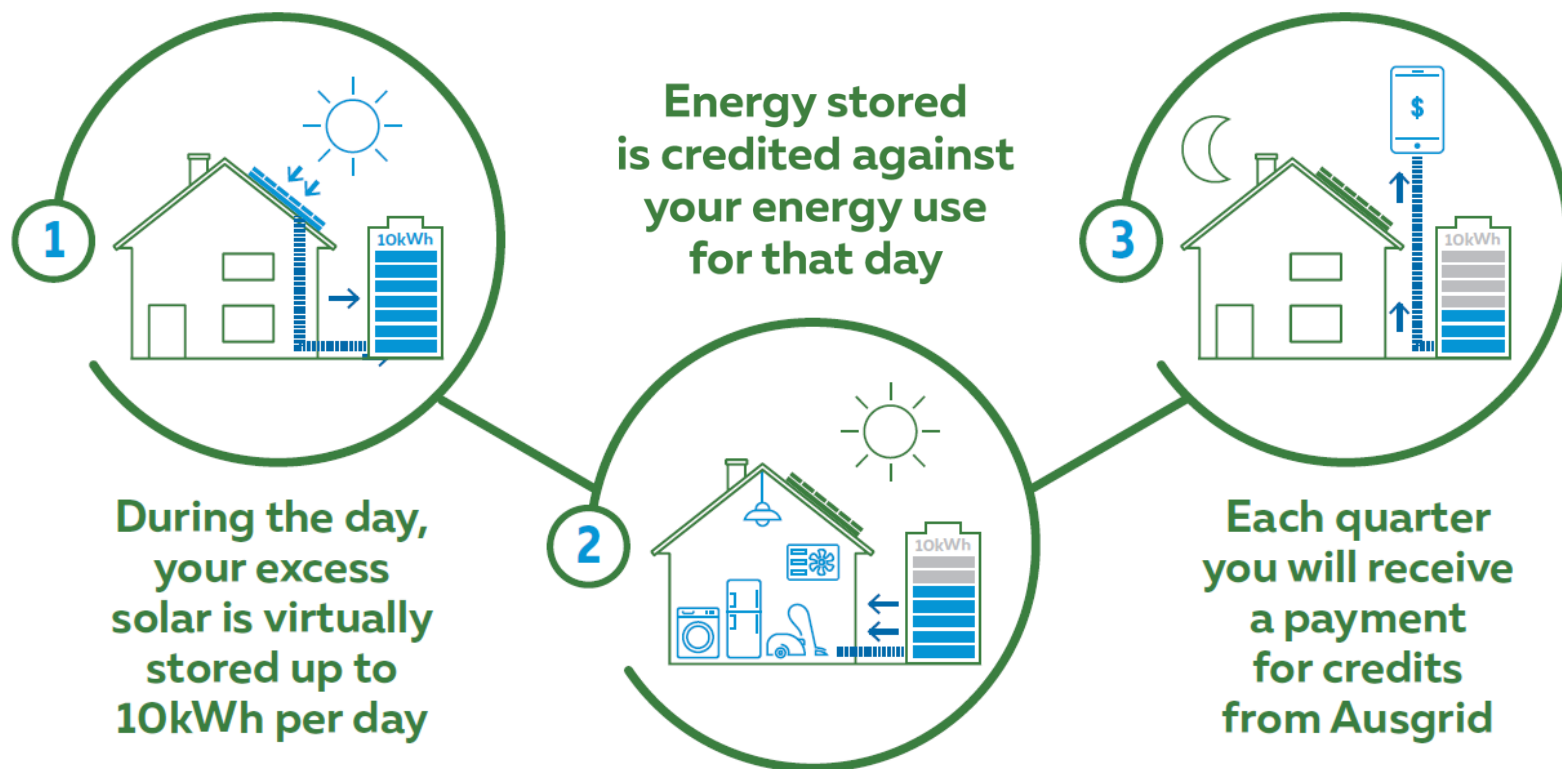
Electricity distributor Ausgrid has unveiled a community battery at Beacon Hill that allows locals — who have solar panels — to store their excess energy.

Daily Telegraph, Feb 2021



9 News Australia - New community battery storage to save on power bills, Feb 2021

How the community battery customer trial works



Status of Beacon Hill Trial

Registrations:

- 29 solar customers
- 9 considering installing solar
- 15 solar customers can still register

Bill Estimates:

- 28 solar customers supplied electricity bills for estimating benefits

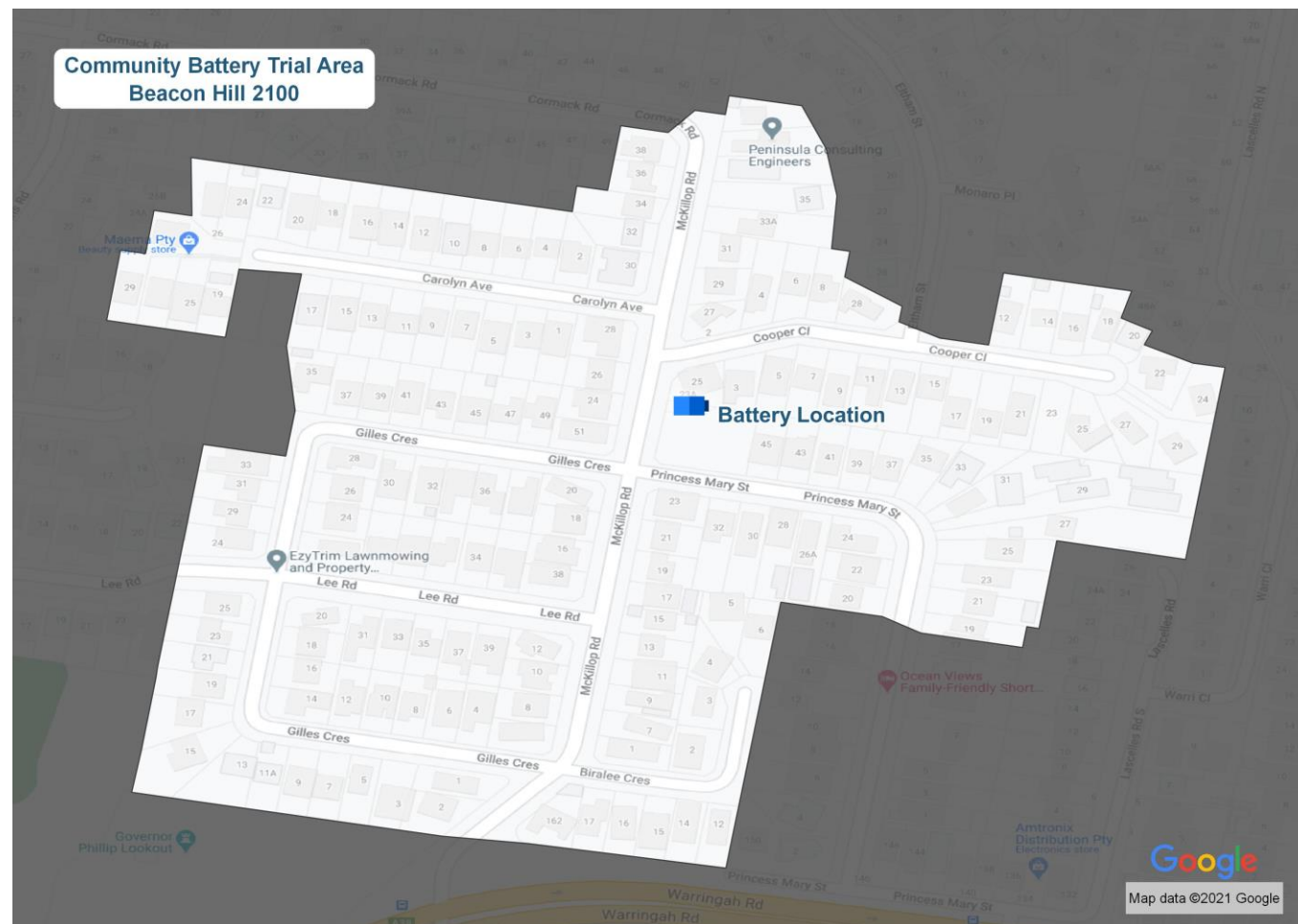
Solar Assessments:

- 22 out of 29 solar assessments requested and inspections completed

Formal Offers:

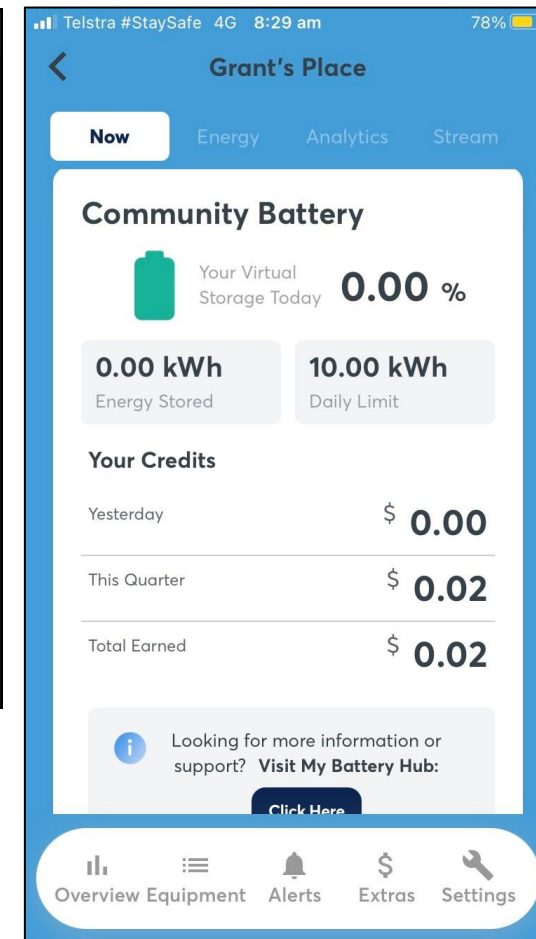
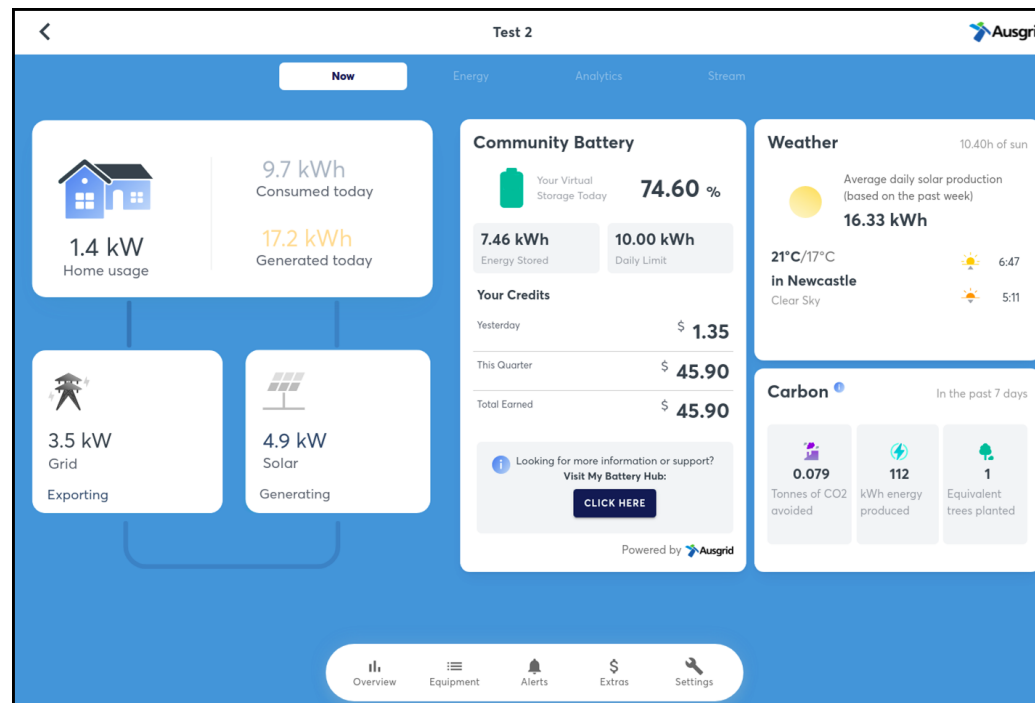
- 21 customers signed offer

Total Households in trial area - 194



Device installation and App for monitoring

- Participants can access from desktop or smartphone
- Allows participants to see their contribution in real time including their:
 - energy usage data
 - solar generation
 - carbon footprint
 - community battery payment credits earned



Next steps

- Beacon Hill:
 - Device installation, App installation activation.
 - Monitor energy usage, customers savings and battery operation.
 - Support additional homes signing up to the trial.
- Battery Program:
 - Launched Bankstown in May, engaging with customers and seeking more residents to sign up.
 - Install and launch Cameron Park battery in Lake Macquarie, then commence customer engagement.
 - Results of the trial will inform a potential wider scale roll out.



More information

Please visit the Ausgrid Community Battery website, or contact the Project Team:

Web: www.ausgrid.com.au/In-your-community/Community-Batteries

Email: innovation@ausgrid.com.au



Thank you