

# NARRABRI COMMUNITY BATTERY TRIAL



TOWN HALL CARPARK, CNR DOYLE & BARWAN ST



## HOW DO LOCALS BENEFIT?

More storage (batteries) in the grid ultimately means:

- more people can put on solar and bigger systems can be installed
- more excess solar electricity can be absorbed during the day and have it available at night

This sized battery is enough for about 50 Narrabri homes to store their excess solar (however an individual householder cannot subscribe to the battery yet).

Further benefits include:

1. Locals are part of the community advisory group
2. Any profits created by the battery will be returned to local renewables projects
3. It will reduce emissions and help balance supply and demand on the electricity grid.
4. What we learn here can be used in other communities too.

PLUS our battery has a unique feature - an external power point to help in the case of emergencies.

## WHAT DO THEY DO?

Community batteries can store energy from dozens of local rooftop solar panels during the day for use when we need it in the evening (this is sometimes called 'solar soaking').

## WHEN WILL IT BE BUILT?

We are hoping installation will be mid 2025, depending on factors outside our control.

## WHAT IS A COMMUNITY BATTERY?

It is a centrally located, mid scale storage facility that creates benefits for the community.

It is bigger than a household battery, smaller than a big grid-scale battery, about the size of a few fridges side-by-side up to the size of a shipping container.

## WHY COMMUNITY BATTERY?

Our electricity system is transitioning to being based on renewable energy (e.g. solar and wind power). Like all big transitions, there are challenges. One of these is that renewable energy (wind and solar), isn't available all the time (it's intermittent). In particular, solar energy is greatest during the day, whereas we need electricity in the morning and in the evening.

So batteries at all scales are needed in the grid.

## WHAT DON'T THEY DO?

As it is connected to the electricity grid which is a network, it is not possible for this battery to provide back up electricity in blackouts. For homes and businesses that need back up, an individual household battery with solar panels is needed.

## WHO OWNS IT?

This Trial has been funded by federal government funds and will be owned and operated by Geni.Energy.



Supported by the Australian Government's Community Batteries for Household Solar Program

**Australian Government**

**Department of Climate Change, Energy, the Environment and Water**



See more: [www.geni.energy/community-battery](http://www.geni.energy/community-battery)