

NARRABRI COMMUNITY BATTERY TRIAL



TOWN HALL CARPARK, CNR DOYLE & BARWAN ST



WHAT IS A COMMUNITY BATTERY?

It is a centrally located, mid scale storage facility that has a type of ownership model that benefits 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.

WHAT DON'T THEY DO?

As it is connected to the electricity grid which is a network it is not possible for it 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.



HOW DO LOCALS BENEFIT?

There are five ways the Narrabri Community Battery Trial will create benefits:

1. Locals with solar can utilise the battery for storing their excess solar and can buy it back at night
2. Locals are part of the reference panel, involved each step of the way
3. Any profits created by the battery will be returned to local renewables projects
4. It will reduce emissions and help balance supply and demand on the electricity grid.
5. What we learn here can be used in other communities too.

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 early 2024, ready for operation in April 2024.

See more: <https://www.geni.energy/narrabri-community-battery>