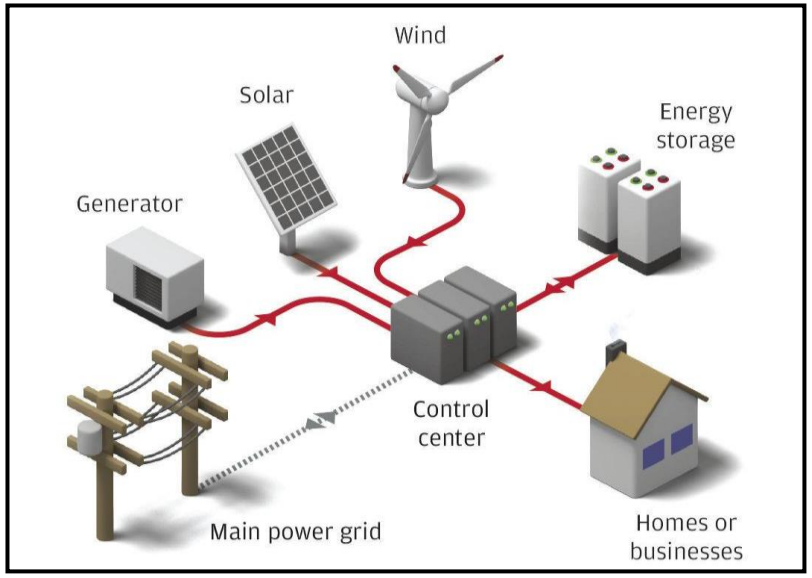
Microgrids – For Lower Cost & Reliable Power

A microgrid is a small-scale electricity network that connects consumers to an electricity supply. It can have various sources of energy generation, such as solar, diesel generators, or fuel cells, and storage devices, such as batteries or electric vehicles. Microgrids are often designed to be self-contained.

A microgrid has hardware and software to monitor and distribute the electricity to end-users, such as homes, industries, & buildings. Microgrids can operate independently from the main grid in case of a power outage (island mode) or be connected to the grid (grid-parallel).

Microgrids can improve the security, reliability, and efficiency of electricity supply, especially in remote areas or places with frequent blackouts. Using renewables like PV solar reduces power costs and greenhouse gas emissions.



Microgrid schematic.
Source: State Journal Research.

Microgrid at the Hebel Hall, Balonne Shire Council.
Collaborative project with Balonne Shire Council that received grant funding from the Australian Government.

Regional & Remote Communities Reliability Fund:

Microgrids
for Balonne Shire.

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