



What is a Virtual Power Plant?

A Virtual Power Plant (VPP) is typically a collection of solar and battery storage systems that work together to provide a single source of energy. VPPs use smart technology to control the energy flow to and from the grid on demand.

How they work

- 1.** Rooftop solar PV panels turn the sun's energy into electricity. An inverter converts this solar energy for use in your home or business.
- 2.** If you have a battery, and solar, any excess energy generated is stored for later use.
- 3.** A VPP uses sophisticated software to combine the electricity from multiple batteries, and solar, to store or share energy with the grid as needed - benefitting the household, grid and the community!
- 4.** The VPP can then manage how renewable electricity is delivered to the grid, while also providing network support services.





What are the benefits?



Be a new kind of energy user

Pioneer the next generation of more sustainable energy solutions in Alice Springs.



Earn a credit on your power bill

Gain value from your compatible solar, or solar and battery, system by using it to support the grid and get a monthly credit in return.



Our pathway to 50% by 2030

Support more renewable electricity to be used within the grid and help our town reach 50% renewables by 2030.



A stronger, cleaner energy system

Trials will help us learn important lessons, which will inform how we can continue to use existing grid infrastructure to meet future energy needs.



Grid stability for all

Use your household energy system to help support the grid to integrate more renewables.

To enable participation in a VPP trial, some changes to your household energy system may be required - such as the installation of an energy management device, or hardware or software updates.

Be part of the future grid

Solar power has become very popular in our town. However, on bright sunny days, when solar panels are generating lots of energy, it can create challenges in balancing the supply and demand in our grid.

Alice Springs Future Grid is exploring ways to store and distribute the power of the sun, including through our forthcoming VPP trial! You can play a part as we pioneer this innovative energy solution in Alice Springs.

Find out how you can get involved using the web link below or calling 1800 ALICE VPP.

Learn more: www.alicespringsfuturegrid.com.au