

Alice Springs Solar Trail Map

Alice Springs is one of 7 cities in Australia participating in the Australian Government's Solar Cities program.

Alice Solar City is a multimillion dollar project designed to explore how solar power, energy efficient technologies and new approaches to electricity supply and pricing can encourage the residents of Alice Springs to become energy champions and develop a sustainable energy future. As part of Alice Solar City, there are a range of small and large "iconic" solar projects installed throughout the town. Alice Springs is also home to a world class solar technology demonstration facility which is open to the public from Monday to Friday. Use this solar trail map to locate some of the installations and learn more about solar energy technology. For more information about Alice Solar City, visit www.alicesolarcity.com.au or phone 08 8950 4350.



Australian Government
Solar Cities



MAP KEY

1 Mt Nancy Motel

North Stuart Highway (near Telegraph Station turnoff)
This 12kW solar power system has been installed on a north east facing roof and produces around 19,000 kWh and reduces greenhouse emissions by 13 tonnes per year.

2 GGS Alice Glass & Aluminium

Cnr Smith and Whittaker Sts
A 20kW system produces around 32,000kWh/year (equivalent to 4 typical Alice Springs homes).

3 Alice Motor Inn

27 Undoolya Road
A 5kW solar power system generates around 8,000kWh and reduces greenhouse gas emissions by 5.5 tonnes per year.
Live performance data is available via www.alicesolarcity.com.au/solartrail

4 Alice Springs Veterinary Hospital

Cnr Elder St & Milner Rd
A 15kW rooftop solar power system generates around 22,000 kWh of electricity per year, reducing greenhouse gas emissions by 15 tonnes per year.

5 Zone A Architects

37 Larapinta Drive
A 3kW solar system installed on a purpose built building façade, produces an estimated 4,800 kWh per year, meeting over 60% of the power requirements of this business.

6 Alice Springs Reptile Centre

9 Stuart Terrace
An 11.4kW solar power system produces around 18,500kWh/year, meeting around 40% of the centre's electricity needs.

7 National Pioneer Women's Hall of Fame

2 Stuart Terrace
A 5.4kW power system produces around 8,700kWh/year.

8 Olive Pink Botanic Garden

A 5kW solar power system generates around 8,000kWh per year and reduces greenhouse gas emissions by 5.5 tonnes per year.

9 Alice Springs Aquatic Centre

The solar pool heating system being installed on the roof includes 275 Heliocol solar collector panels. One of the largest of its type in Australia, the system will on average meet 40% of the winter, and 100% of the summer heating requirements, reducing the Centre's gas usage by an estimated 30% per year. Under construction — due for completion April 2011.

10 Crowne Plaza Alice Springs

82 Barrett Drive
An iconic 305kW photovoltaic (PV) solar system with 1300 flat plate solar modules, generates an estimated 531,000kWh/years (equivalent to 70 typical Alice Springs homes). The system will supply 40-80% of power demand

during the day reducing the total load on the Alice Springs power grid by 0.5%. Live data is available in the foyer display and at www.dkasolarcentre.com.au

11 Pathdorf B&B

Heath Road
A 10.5kW ground mounted solar array has been installed at this nature based bed and breakfast on the outskirts of Alice Springs; the system produces around 17,000kWh of electricity which meets all of their electricity needs.

12 Desert Knowledge Australia Solar Centre

South Stuart Highway
A showcase of over 20 solar technologies, including tracking and concentrating systems. A 500m self-guided circuit walk demonstrates the differences in the various technologies. Open Monday to Friday, 8:00am – 5:00pm (free entry).
View live data at www.dkasolarcentre.com.au

13 Uterne Solar Power Station

This iconic 963kW solar power station will consist of 3,048 SunPower mono-crystalline tracking panels which follow the sun, powering the equivalent of 288 average homes for a year. It will be the largest tracking solar system in Australia when it is built. Under construction — due for completion May 2011.

14 Earth Sanctuary Nature Centre,

Colonel Rose Drive
A 10.5kW ground mounted solar array has been installed at this environmental education centre. The system generates around 17,000kWh of electricity each year, and complements other technologies on site including a number of wind turbines and stand-alone power system. Visit by appointment - phone 8953 6161.

15 Alice Springs Airport

Roger Vale Drive
This iconic 235kW solar system, consisting of 28 SolFocus dual axis

concentrating arrays will deliver 600 megawatt hours (MWh) of electricity to the Airport; approximately 28% of its demand. It is the largest installation of its kind in the southern hemisphere. A SolFocus array is on display at the Solar Centre (see 12). An interactive display pod is located within the terminal building.

16 Alice Springs Helicopters

Roger Vale Drive (en route to Airport)
A 5kW system produces around 70% of the business' energy needs, saving \$1500 and reducing greenhouse emissions by 5.5 tonnes per year. Live performance data is available via www.alicesolarcity.com.au/solartrail



MAP COURTESY OF
TOURISM CENTRAL
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