

Whyalla SolarOasis Power Plant

Norrie Avenue Extension
Whyalla, South Australia 5600
Australia

The Whyalla SolarOasis Power Plant to be built north of Whyalla, will use 300 Wizard Power Big Dish solar thermal concentrators to deliver a 40 MW of solar thermal power plant. The plant is designed as a peaking power plant operating in the day and early evening to deliver electricity when it is most in demand. The Big Dish structures will be manufactured and assembled on-site using Wizard Power's Factory-in-the-Field. The project is expected to result in the direct generation of over 200 jobs in Whyalla during the two year manufacturing and construction period. (The Big Dish is a parabolic dish concentrator developed by the Solar Thermal Group, Australian National University. The initial prototype was constructed on the Canberra campus of the Australian National University in 1994.) The Whyalla SolarOasis will be the first commercial scale application of Wizard's Australian developed, technology. It will demonstrate aspects such as scalability, manufacturing and construction techniques and the capability of the Big Dish concentrator technology to integrate and operate with commercially available balance of plant technology including steam turbines, heat exchangers and condensers. The project will also deliver the first commercial scale concentrating solar thermal plant to dispatch power to the Australian electricity market. Because of delays, in June 2013, the Commonwealth Government terminated the funding deed for the project under which it was to contribute \$60 million towards the \$230 million project. The Government said that it would consider a new funding proposal for the project.

Company: Wizard Power Pty Ltd
Capacity (MW): 40
Status: Cancelled
Start Year: 2013
Technology: Solar Thermal
Fuel: Solar
Source of Information: Wizard Power web site (September 2011)

