

KOGAN CREEK SOLAR BOOST PROJECT



CS Energy propose to construct a solar thermal plant adjacent to the Kogan Creek Power Station. The Solar Boost Project will deliver steam to the existing coal fired-power station's steam circuit which will be converted to electrical energy for supply to the electricity grid.

The location of the solar array is constrained by proximity to the power station and topography. The only viable location on the site supported remnant Least Concern vegetation. Ecological Survey & Management was engaged by IMEMS Pty Ltd to undertake the ecological assessment for the proposed project.



The assessment included a detailed field survey which refined the mapping of remnant regional ecosystems on the site and confirmed the occurrence of the Near Threatened Little Pied Bat (*Chalinolobus picatus*) and the Golden-tailed Gecko (*Strophurus taenicauda*) from the project area.

The ability of the project to comply with the provisions of the DERM Concurrence Agency Policy for Material Change of Use under the *Vegetation Management Act 1999* was a key issue for the project. Ecological Survey & Management worked closely with stakeholders to develop an alternative solution to comply with the provisions of the policy.

Terrestrial flora and fauna surveys
Vegetation and weed mapping
Regional Ecosystem map verification and modification
Vegetation management plans
Rehabilitation plans
Assessing legislative implications and identifying approval pathways
Threatened species assessment and monitoring
Development of environmental management plans for ecological protection.