

UQ Summer Research Project Description - 2026

Project title:	How could disruptive demand-side change affect infrastructure planning for Australia's energy transition
Hours of engagement & delivery mode	Six weeks, working 25–35 hours per week. The project will be offered on-site, with facilities to work in the Centre. If you are unable to work on-site for a portion of the program, please contact the project supervisor to discuss the possibility of alternative arrangements.
Description:	Assessing deep uncertainties over future energy demands is a crucial step for planning the infrastructure needed to deliver deep decarbonisation of Australia's energy system. This project will utilise existing software for assessing risks for Australia's electricity and gas sector systems, focussing on the implications of large uncertainties around the evolution of future energy demand.
Suitable for:	This project will suit a student with a background in engineering and/or quantitative analysis, and a strong interest in understanding long-term energy transition challenges. Strong skills in python are preferred.
Primary Supervisor:	Dr Joe Lane
Further info:	Please contact Dr Joe Lane for more information about the project: joe.lane@uq.edu.au .