

# Energy



*The majority of worldwide greenhouse gas emissions, and 98% of UQ's reported emissions, come from energy consumption. Therefore, energy needs to be reduced and used responsibly.*



## What UQ is doing

- UQ is home to Australia's largest university solar energy portfolio, with over 50,000 solar panels across St Lucia, Gatton, Moreton Bay and Heron Island Research Station campuses.
- From 2020, UQ will be powered by 100% renewable energy, due to the addition of UQ's Warwick Solar Farm, comprising over 200,000 solar panels.
- Air conditioning plants have been replaced with newer, more efficient equipment. Temperature set points and schedules ensure energy usage is minimised.
- Energy efficient LED lighting and motion sensors have been retrofitted across UQ.
- The Sustainability Office promotes energy-saving behaviour in the workplace.



## Why this is important

- Producing energy from non-renewable resources, such as coal and oil, releases greenhouse gases into the atmosphere.
- These gases contribute to the Greenhouse Effect, which is changing our climate, affecting natural ecosystems, weather, and food production.
- To mitigate against these effects, energy can be used more efficiently and sourced from solar, wind, water, and other renewable resources.



## What you can do

- Switch off lights, and equipment at the wall, when not in use.
- Buy equipment and appliances with a high energy-star rating.
- Choose activities, transport, and products that use less energy.
- Increase lab energy efficiency – close sashes to stop air being drawn through and maintain freezers to keep them running with minimal energy.

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