



Greenhouse gas emissions reporting



About Stanwell
Stanwell Corporation Limited (Stanwell) owns and operates a portfolio of energy generation assets in Queensland. This includes two of the youngest and most efficient coal fired power stations in Australia – Stanwell Power Station near Rockhampton and Tarong North Power Station in the South Burnett. We are proud to generate the energy that powers Queensland lives and businesses.

We have a duty to do everything we can to protect the environment, and to minimise our impact on it. Environmental sustainability at Stanwell means we balance social, environmental and commercial implications in the decisions we make in our business.

Given that greenhouse emissions from Australia’s electricity generation sector comprise around one-third of the country’s total carbon dioxide emissions, Stanwell recognises that we have a key role to play in managing and monitoring our emissions, while providing secure and affordable energy for Queenslanders.

Stanwell operates coal and gas power stations with a total generating capacity of more than 3,500 megawatts. When electricity is generated at coal and gas-fired power stations, exhaust gases are released into the atmosphere from the stacks and water vapour from the cooling towers. Stack emissions include carbon dioxide (CO₂), nitrogen oxides (NOx) and sulphur dioxide (SO₂).

Monitoring and reporting our emissions

Stanwell is committed to operating responsibly within licence limits set by the Queensland and Federal Governments. These licence limits apply to a range of environmental parameters, including air emissions.

A combination of continuous monitoring, routine monitoring, and approved calculation methods ensure greenhouse gas emissions are correctly determined and reported to the relevant authorities, including the National Pollutant Inventory (NPI) and the National Greenhouse and Energy Reporting Scheme (NGERS). Greenhouse gases reported include carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), and sulphur hexafluoride (SF₆).



Our CO₂ intensity and efficiency

Stanwell operates two of Australia’s most efficient and lowest carbon intensity coal-fired power stations. This includes the supercritical Tarong North Power Station, which reduces emissions by using advanced technology, higher pressures and temperatures, and the subcritical Stanwell Power Station near Rockhampton.

We also operate Mica Creek Power Station, which is gas-fired and has a lower carbon intensity than coal-fired generation. Mica Creek has been servicing Mount Isa and the surrounding community for more than 50 years.

For more information on emissions and emissions reporting visit:

- NGERS - cleanenergyregulator.gov.au
- NPI - npi.gov.au
- Department Environment and Science - des.qld.gov.au