



Greenhouse gas emissions reporting

About Stanwell

Stanwell Corporation Limited (Stanwell) is a diversified energy company. We own coal, gas and water assets which we use to generate electricity for the National Electricity Market (NEM). We also sell electricity directly to industry customers and we trade gas and coal.

Stanwell is able to help supply Queensland's energy needs through coal, gas and hydro-electric generation at seven dispersed sites.

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, gas and hydro power stations with a total generating capacity of more than 4,000 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 a number of highly efficient and low carbon intensity assets. This includes two hydro assets in North Queensland and Wivenhoe Small Hydro in South East Queensland, which produce zero carbon dioxide emissions.

We also operate Swanbank E Power Station, which is an efficient and advanced gas-fired and one of the lowest carbon intensity power stations in the country. We also operate Mica Creek Power Station, which is gas-fired and has been servicing Mount Isa and the surrounding community for more than 50 years.

In addition, Stanwell operates two of Australia's most efficient and lowest carbon intensity coal-fired power stations, including the supercritical Tarong North Power Station, which reduces emissions by using advanced technology, higher pressures and temperatures, and the subcritical Stanwell Power Station in the Rockhampton region.



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