



Safeguard Mechanism and National Greenhouse and Energy Reporting (NGER) Services

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GHG Inventory and Carbon Footprinting



Inventory for Commercial and Retail Operations



Inventory for Energy Production and Distribution

The National Greenhouse and Energy Reporting Act

The National Greenhouse and Energy Reporting System (NGERS) is a **mandatory reporting scheme** administered by the Australian Government Clean Energy Regulator. The NGER Act (2007) created a national framework for the reporting and dissemination of information about greenhouse gas emissions, greenhouse gas projects, and the energy use and production of corporations.

From 1st July 2008, all businesses that are a constitutional corporation and meet a greenhouse gas, energy use, or production reporting threshold for a financial year **must apply for registration with the Clean Energy Regulator**. Registered corporations **must report their greenhouse gas emissions, energy use, and production** for each year in which they meet the threshold.

Businesses are responsible for assessing their liability under the NGER Act (2007).

The two threshold categories at which corporations must participate are the 'facility' threshold and 'corporate' threshold. Both categories have a greenhouse gas threshold and an energy threshold. Registration is required if a corporation exceeds any one or more of the thresholds for each reporting year (financial year).

The **2023 reporting year facility threshold is 25,000 tonnes** (or 100 TJ) of carbon dioxide equivalent and the **corporate group threshold is 50,000 tonnes** (or 200 TJ). Corporations must apply to register **by 31st August** following the end of the reporting period in which they first met a threshold. For example, for the NGER reporting period beginning on 1st July 2023 and ending on 30th June 2023, **registrations will close on 31st August 2023 and reporting is due on 31st October 2023**

Significant penalties apply for non-compliance with the NGER Act including civil penalties up to **\$444,000** along with **additional penalties** of up to **\$22,200** for **each day** the report is late.

How CCR Helps

Climate Change Response offers a full range of technical and business advice to organisations to determine and report their greenhouse gas emissions. This includes inventory determination for the National Greenhouse and Energy Reporting system and the National Carbon Offset Standard.

We can assist companies with a range of greenhouse gas measurement and reporting activities including: data collection and inventory system development, greenhouse gas benchmarking, carbon footprinting and life cycle assessment reporting and documentation, independent auditing and verification of inventories and training and capacity building.

As a guide, 25kt of CO₂-e is approximate: 28,000 MWH of electricity; 4,000 kL of LPG; 2.6 megaliters of diesel; or \$3.36 million dollars expenditure on electricity at \$0.12/kWh.

CCR's Experience

Through its experienced team of professionals, Climate Change Response offers greenhouse gas measurement and management services to assist corporations to understand their energy use and greenhouse gas emissions and realise operational cost saving by reducing their energy consumption and greenhouse gas emissions.

Our team has over 30 years of experience in the areas of greenhouse gas measurement and management, energy efficiency, and sustainability, providing advice and solutions to corporations across a range of industrial and commercial sectors.

Working with our clients to understand their business and needs, we have a proven record of performance in providing our clients with both **strategic advice** and **practical, sustainable solutions**.

Our Emissions and Energy Reporting Capability Advisory Services Overview

- Generation and verification of greenhouse gas inventories to National Greenhouse and Energy Reporting System (NGERS) requirements;
- Greenhouse gas benchmarking;
- Preparation of greenhouse gas inventories and management plans for environmental and other statutory approvals.
- Life cycle analysis and carbon footprint assessment of technologies and projects.
- Project management, technical advisory, monitoring, and independent verification services for other greenhouses gas and energy efficiency-related Australian government programs.
- Energy Auditing to Australian Standard AS 3598;
- NABERS and Green Star ratings (energy efficiency and sustainability of commercial buildings);
- Training and capacity building including preparation of information resources and delivery of professional development through in-house and online training, and employee engagement programs.

Key considerations when undertaking NGERS reporting

- Determining participation and registration
- Operational control and responsibility for reporting
- Developing robust data collection and inventory systems
- Reporting and record keeping obligations



CCR's Recent Projects


Some of CCR's recent greenhouse gas measurement and management projects include:

- **Preparations of NEGRS Inventory and verification reports** for Western Power, Horizon Power, several mining companies and a large WA minerals processing company (confidential);
- **Development of independent verifications** of Greenhouse Challenge Plus GHG inventories, including Greening Australia, ConocoPhillips ABU, Panoramics Resources, and Yara Pilbara Fertilisers Plant (earlier known as Burrup Fertilisers)
- **City of Rockingham landfill GHG emissions inventory** for NGERS;
- **Development of greenhouse gas inventory and management strategy** for environmental approval for a proposed industrial processing plant (confidential) .

- Lifecycle carbon emissions assessments (operational and embodied emissions) for a range of infrastructure projects including roads (New Perth to Bunbury Highway - WA Main Roads), ports (Kwinana Quays - Fremantle Ports), and land development (Crace - CDC);
- Three days industry short course program for the water industry entitled "Carbon Accounting in the Water Industry - Managing Climate Change Risk" with IWES.
- GHG Offsets Benchmarking Study for ConocoPhillips ABU;
- Issued paper on "Energy Use and Greenhouse Gas Emissions in the Minerals Processing Sector" for the Center for Sustainable Resources Processing;
- Greenhouse gas management strategic advice for ConocoPhillips ABU, Wesfarmers Resources and large WA minerals processing company (confidential);
- Energy Efficiency Opportunities program advisor to 8 companies across a range of sectors including oil and gas (ConocoPhillips ABU), manufacturing (Yara Pilbara Fertilisers, previously known as Burrup Fertilisers), mining (Panoramic Resources, Aditya Birla Minerals, Straits Resources), mining and construction (BGC Contracting, Macmahon Holdings), and a large WA minerals processing company (confidential);
- Building energy efficiency audits for BHPB Worsley Alumina (South32);
- Peer review of Energy Savings Measurement Guide for Department of Resources, Energy and Tourism; and
- Long-Term Training Strategy for the Development of Energy Efficiency Assessment Skills for the Department of Resources, Energy and Tourism.

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