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

[www.ccr.earth](http://www.ccr.earth)

# Navigating Emissions Reporting with Confidence

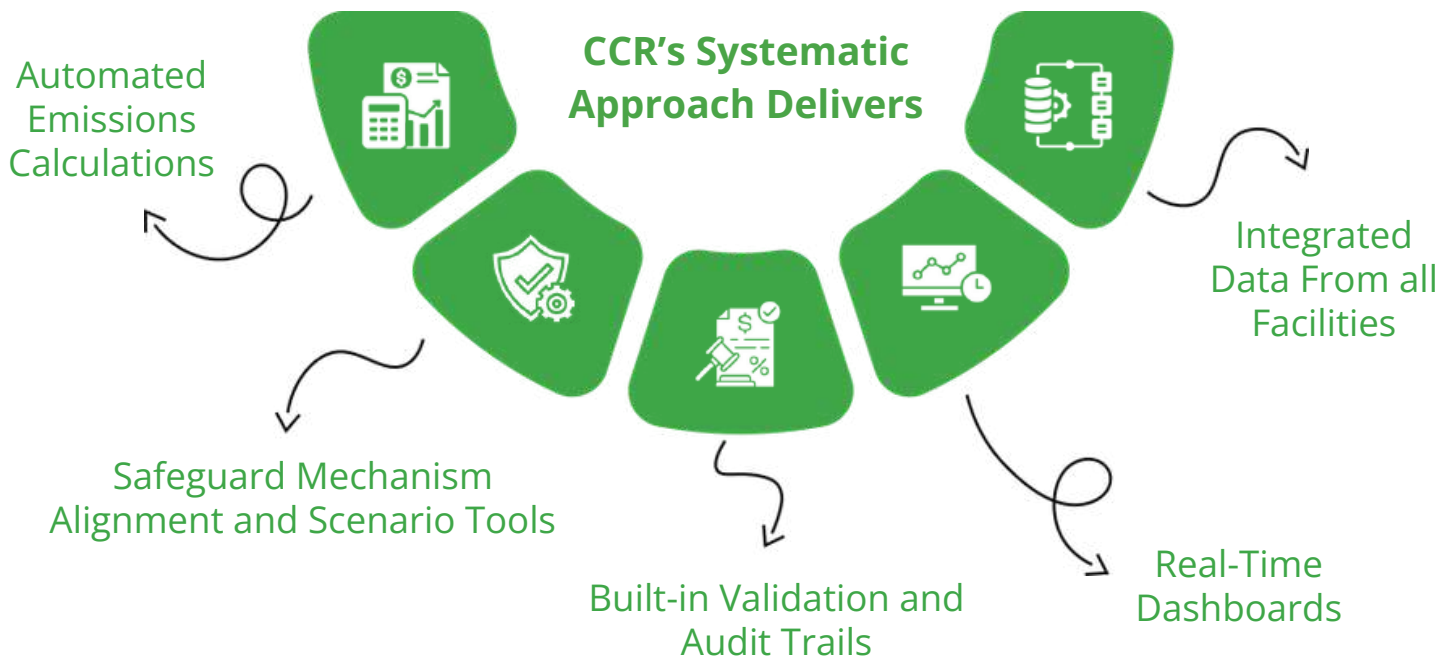
Emissions and energy reporting under the NGER Act and the Safeguard Mechanism is now a key obligation for many Australian businesses. As requirements grow more complex and expectations rise, so does the need for a clear, streamlined, and reliable approach.

Whether you're managing a single facility or a multi-site operation, the challenge lies not just in meeting deadlines - but in doing it accurately, efficiently, and ensuring you are audit-ready.

## Make Compliance a Competitive Advantage

**From raw data to regulator-ready outputs - all in one platform.**

CCR eliminates the complexities of extensive spreadsheets, fragmented data, and manual reporting.



With CCR,  
Reports, Reviews,  
and Audits are  
Hassle-Free



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## How CCR Helps

With our integrated CCR Tech Suite, we manage the end-to-end lifecycle - from defining organisational boundaries and aligning data sources to automated emissions calculations and compliance-grade reporting.

Our AI-driven platform is built to align seamlessly with NGERS, Safeguard Mechanism, Emission Intensity Determination (EID), and other regulatory frameworks - ensuring accuracy, efficiency, and peace of mind.

## CCR's Advanced Capabilities



### Define Boundaries

Set up corporate structure, facilities, scopes, and emission sources aligned with reporting boundaries.



### Data Integration

Seamlessly ingest data from meters, finance, and operations with automated QA and anomaly detection.



### NGERS Calculation

Stepwise calculations from raw to final reportable values through a layered approach.



### Safeguard Mechanism Module

Track baselines and intensity metrics while modelling future emissions with predictive AI.



### Audit Ready Report

Generate regulator-ready reports and dashboards with full exportability and audit traceability.



### Visualisations and Analytics

Easy to understand visualisations for effective understanding and analysis.



### Gen AI

Immediate responses, summaries, and insights to reduce manual effort and speed up delivery.



### Agentic AI

Proactively suggest data corrections, optimisation pathways, and next-step actions.

## CCR's Experience

With decades of experience, CCR has supported clients across industries with end-to-end solutions for emissions reporting, energy management, and sustainability compliance.

Our team brings deep expertise in NGERS, Safeguard Mechanism, and NPI reporting - combining technical precision with strategic insight to simplify complex regulatory obligations.

We tailor our approach to each client's operations, delivering solutions that are practical, scalable, audit-ready, and built for long-term value. From advisory to implementation, CCR turns compliance into clarity, action, and competitive advantage.

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# Our Emissions and Energy Reporting Capability Advisory Services Overview

## Some of our services include:

- Generation and verification of greenhouse gas inventories in line with NGER requirements
- Preparation of GHG inventories and management plans for environmental and statutory approvals
- Safeguard Mechanism advisory, including emissions intensity determination (EID) and facility reporting
- Technical advisory, monitoring, and independent verification for Australian Government energy efficiency programs
- Development of audit-ready dashboards and documentation
- Energy audits in accordance with Australian Standard AS 3598
- Training and capacity building - including the development of guidance materials, online modules, and employee engagement programs
- Greenhouse gas benchmarking and emissions profiling
- Life cycle assessments and carbon foot printing of technologies and projects
- Automated data integration and emissions calculation via the CCR Tech Suite
- Alignment with Climate Active and other reporting frameworks
- Scenario modelling and forecasting using AI and predictive analytics
- NABERS and Green Star ratings for energy efficiency and sustainable buildings
- Preparation of Emissions Reduction Plans and Net Zero Strategies translating inventory data into actionable decarbonisation pathways aligned with operational goals and regulatory requirements

***Accurate reporting requires clear operational control, robust data systems, and well-defined thresholds. CCR ensures you're compliant, audit-ready, and in control.***

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## Recent Projects

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

✔ Developed NGRS inventories and verification reports for utilities, mining operations, and a major WA-based minerals processor.

✔ Developed an NGRS reporting dashboard, Safeguard Mechanism Emissions-Intensity Determination (EID) setup, and predictive modelling for emissions intensity for a leading global fertiliser manufacturer.

✔ Built city-wide GHG inventories and NABERS ratings for local governments, visualised through CCR's Intelligence Platform.

✔ Developed landfill GHG emissions inventory for WA Local Government.

✔ Development of greenhouse gas inventory and management strategy for environmental approval for a proposed industrial processing plant.

✔ Assessed lifecycle (operational + embodied) carbon emissions for roads, ports, and urban infrastructure projects.

✔ Greenhouse gas management strategic advice for large WA minerals processing company.

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- ✓ **Advisory and Strategies on Energy Efficiency Opportunities programs** across many industry sectors including mining, manufacturing, oil & gas, and hospitality.
- ✓ **Peer-reviewed a baseline emissions and energy savings guide** for a national energy and resources agency.
- ✓ **Reviewed GHG methodologies and NGRS compliance alignment** for a major government-owned utility with high-emission facilities.

## Trusted By



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