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# Climate Change and Sustainability Management Services for Local Government

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# Climate Change and Sustainability Management Services

Responding to climate change and greenhouse gas management have become important issues for local government, community and businesses. The Australian Business Roundtable on Climate Change has stated that:

***“Climate Change is a major business risk and we need to act now”***



There is a clear need to reduce greenhouse gas emissions across all sectors of society. The International Energy Agency claims that the application of currently available or emerging, clean energy technologies could easily cut oil and electricity consumption across the world by 50% by 2050. A recent study has shown that a 60% reduction in greenhouse gas emissions in Australia by 2050 (from year 2000 levels) is possible while still maintaining strong economic growth.



The scientific evidence is clear: human induced greenhouse gas emissions are already impacting the climate, and that more significant impacts can be expected in the future. As such, it is vital for councils to understand the likely impacts on their activities, assets, and infrastructure and develop effective strategies for adaptation and response.

In this uncertain and rapidly evolving environment, local governments and their communities often face challenges in navigating the risks and opportunities associated with climate change and the transition to a low carbon economy.

**CCR is here to support local governments in addressing these challenges.**



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## Climate Change Response's Capabilities

Through its experienced team of professionals, CCR offers climate change and greenhouse gas management associated services to assist local councils to respond to these challenges.

Our team of professionals has more than 25 years' experience working in the climate change and greenhouse gas management field providing strategic and practical advice across a range of sectors, including significant experience with local governments. Working with our clients to understand their business and needs, we have a proven record of delivering bespoke, sustainable solutions to meet the unique needs of our clients.

Climate Change Response has the experience and capacity to provide a comprehensive suite of services related to climate change and greenhouse gas management, including:

### Climate Change Risk Assessment and Adaptation

- Qualitative and semi-quantitative risk assessment of climate change risks and their possible impacts.
- Customised computer modelling to examine the effects of climate variability and change over time and space and under-take sensitivity analysis to determine potential impacts.
- Advice on climate change risk mitigation and adaptation strategies.

- Development of climate change risk adaptation plans and their integration with key Council activities, strategies and plans.

### Greenhouse Gas Inventory, Management and Verification

- Generation and verification of greenhouse gas inventories to National Greenhouse and Energy Reporting Scheme (NGERS) standards.
- Greenhouse gas emissions management plans and carbon reduction strategies, including Carbon Neutral and Zero Net Emissions strategies.
- Life cycle analysis and carbon footprint assessment of technologies and projects.
- Staff and community engagement programs to raise awareness and promote action

### Energy Efficiency and Management

- Energy auditing to AS 3598.
- Developing sustainable energy management strategy and framework as per ISO 50001.
- Energy monitoring, data collation and analysis, and advise on energy reduction options.

### Renewable Energy

- Renewable energy resource monitoring and evaluation.
- Renewable energy pre-feasibility studies, business case development, evaluation and advisory services.

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# Local Government Services OVERVIEW



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## Policy and Program Advice and Evaluation

- Up-to-date insights on developments in all national and international climate change, energy efficiency and greenhouse gas-related policies, mitigation strategies and sustainability frameworks.
- Up-to-date information on Government and other funding schemes for initiatives in efficiency technologies.

## Training and Capacity Building

- Preparation of tailored information and training resources.
- Delivery of short courses and online climate change and greenhouse gas management training.
- Staff and community engagement workshops.

## Sustainability Strategy

- Sustainability strategy development and reporting.
- Eco-efficiency (water, energy and waste) assessments.
- Sustainability training and capacity building.

## Government Programs

- Climate Change Response offers management, technical advisory, implementation, monitoring, reporting and independent verification services for greenhouse gas related Australian Government programs including:
- National Greenhouse Emission Reporting Scheme (NGERS)
- National Pollutant Reporting (NPI program).

## Energy Procurement

- Developing technical specifications and T&C's for electricity and gas procurement.
- Bids and offers evaluation, techno-commercial analysis and recommendations for vendor selection.

## Recent Project Examples by CCR for Local Governments

Some of the Sustainability and Climate Action projects examples our team have recently delivered include the following:


- **Energy and Water Monitoring:** Design, supply, and commissioning of cloud-based energy and water monitoring systems for multiple City local governments in WA to enhance resource efficiency and tracking.
  - **Energy Sub-Metering and Embedded Systems:** Installation and commissioning of cloud-based sub-metering systems at aquatic and recreation centres for local governments, Utilities and State Government department in WA to monitor energy usage and identify reduction opportunities.
  - **Sustainability Strategy Development:** Development of comprehensive sustainability frameworks and climate action strategies for City and regional local governments in WA and NSW, aligning with best practices in energy and environmental management.
  - **Comprehensive Energy Audits:** Detailed energy assessments of key facilities, including administrative buildings, aquatic centres, and recreation facilities, for City and regional local governments in WA and Queensland.
  - **Renewable Energy Solutions:** Resource, technical, and structural assessments for renewable energy deployment across local governments in regional and city councils in NSW and Queensland, evaluating solar and other renewable options (In progress).
  - **Climate Risk and Mitigation:** Development of climate change risk assessments and adaptation action plans for City and regional councils across WA and NSW, with tailored mitigation strategies and climate resilience recommendations.
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- **Infrastructure Project Management:** Management of energy efficiency infrastructure projects, including sub-metering system installations and smart monitoring for multiple facilities in WA and Queensland.
- **Energy Procurement and Advisory:** Strategic advisory services for energy supply options, including tender documentation, evaluation, and retailer recommendations for City and State Gov. Departments across Australia.
- **Greenhouse Gas and Sustainability Reporting:** Preparation of NPI and NGERS GHG inventory reports for multiple state departments and City councils nationwide, with verification services for regulatory compliance.
- **Compliance Reporting:** Preparation of NPI and NGERS reports for multiple Landfill operations across AUstralia.
- **Climate Action Planning:** Development of tailored climate action plans for local governments to support decarbonization efforts, sustainability initiatives, and stakeholder engagement across NSW, Queensland, and WA.
- **Waste and Resource Management:** Advisory services for local government projects on resource efficiency and waste minimization strategies to enhance sustainability outcomes.
- **Community Engagement Initiatives:** Development of educational and stakeholder engagement programs to build awareness and support for climate and energy initiatives in regional and city LGAs.

## A Few Public Sector Clients





## Contact Us

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
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