

Climate Change Strategy



Setting Direction, Enabling Action

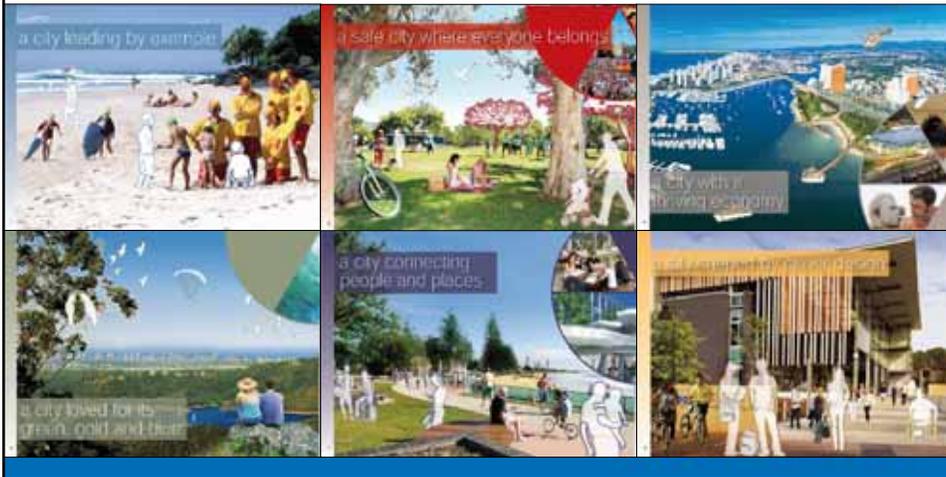
22 June 2009

Defined by our spectacular beaches, hinterland ranges, forests and waterways, the Gold Coast is an outstanding city which celebrates nature and connects distinct communities with the common goal of sustainability, choice and well being for all.



Bold Future Vision Themes

- A city leading by example
- A city loved for its green, gold and blue
- A city connecting people and places
- A safe city where everyone belongs
- A city with a thriving economy
- A city shaped by clever design

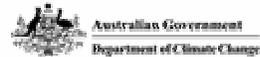


Gold Coast City Council Corporate Plan 2009-2014



Climate Change Strategy

- A key strategy to support the aspirations of Bold Future and the actions within the Corporate Plan
- Part-funded by Department of Climate Change – Local Adaptation Pathways Program Grant



Approach

Key Parameters assumed for baseline action (1990 baseline)

- a range of 18-79cm increase in sea level by 2100
- an increase in annual average temperature of 1.1-4.4oC by 2070
- an increase in the number of days over 35oC up to 14 days per annum by 2070
- an increase in 1-in-100 year storm surge height by 0.35m, and
- an increase in extreme rainfall intensity for 2-hour events of 46 per cent by 2070.

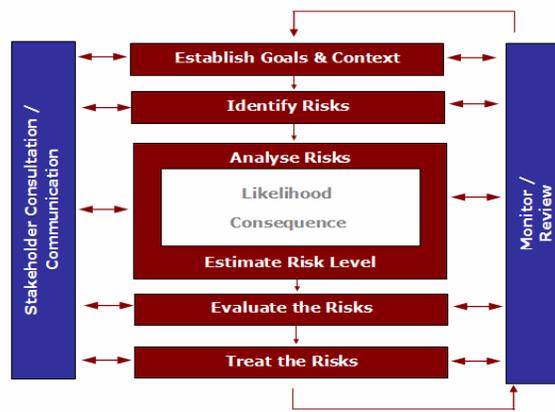


Risk

- The strategy is risk-based and strategic actions identified are aligned to risk treatment
- The strategy is aligned to the Council's Corporate Risk Framework - environmental, economic, asset, financial and social risk



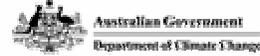
Risk Methodology



AS/NZS 4360:2004



LAPP Grant



- Over 30 Local Adaptation Pathways Program Grants issued
- Council was the first recipient to meet the requirements of the LAPP Grant
- Valuable funding from the LAPP Grant contributed to the development of Australia’s first comprehensive climate change mitigation and adaptation strategy for local government



Risk	Likelihood	Consequence	Level	Priority	Context	Response	Strategic Outcome
Environmental Sustainability – Sea Level Rise	Rare	<ul style="list-style-type: none"> Private and public asset loss / damage. Erosion and inundation of low lying areas. Impacts on coastal recreational infrastructure. Increased coastal erosion and inundation. Loss of tourism impacting on economy and long-term financial viability of city. Loss of life – inability to evacuate or access inundated areas. Insufficient or ill-prepared planning parameters to respond to sea level rise will impact on public and private property, as well as health, financial and environmental impacts. Impacts to low-lying coastal regional ecosystems and habitats of threatened species. 	Catastrophic	Medium	This won't occur during the life of this plan, however, the priority requires a substantial forward planning response to reduce future risk.		<p>Council's response to climate change is informed by sound research, specific to the Gold Coast.</p> <p>Council and community response to climate change is enabled by improved awareness and understanding.</p> <p>The city's infrastructure is resilient to the impacts of climate change.</p> <p>Council has a planned climate change response that meets its statutory responsibilities.</p>



The Strategy

Adopts two treatment areas to address the risks of climate change:



Mitigation	Adaptation
Climate change mitigation focuses on reducing the amount of greenhouse gas we emit into the atmosphere. This action will help to avoid future impacts of climate change beyond that which is already projected.	Climate change adaptation addresses the climate change that is already projected to occur. Adaptation increases our ability to cope with a changing climate, including its variability and extreme events.

Strategy Outcomes and Categories for Action

Governance and Leadership



Research



Advocacy and Awareness



Infrastructure



Planning and Regulation



Governance and Leadership

- Review Corporate Governance Framework to integrate and embed climate change risk mitigation and adaptation
- Ensure climate change considerations and statutory responsibilities are incorporated in the development of new (and the review of existing) corporate strategies, plans and policies



Research

- Climate Change Research Plan for partnering with research facilities
- Planning study to establish climate change parameters for Council's land use, statutory, infrastructure and asset management planning
- Development of climate change scenarios to inform decision making



Advocacy and Awareness

- Advocate for improved climate change outcomes eg for energy, health and emergency management
- Establish partnerships with other agencies that provide services to manage the impacts of climate change
- Develop community and organisation wide awareness and training programs focused on adaptation



Infrastructure

- Review asset maintenance requirements against the risks and impacts of climate change
- Identify and prioritise assets at risk
- Review and amend design standards for infrastructure and assets



Planning and Regulation

- Develop a scoping study for local food production and purchase
- Develop and implement a foreshore management plan



Looking forward...2009/2010

- \$1.365M Budget
- http://www.goldcoast.qld.gov.au/attachment/publications/strategy/climate_change_strategy.pdf
- Sarah Gardner – Executive Coordinator Environment and Infrastructure
- Rebecca Durdev – Project Manager Climate Change Strategy

