

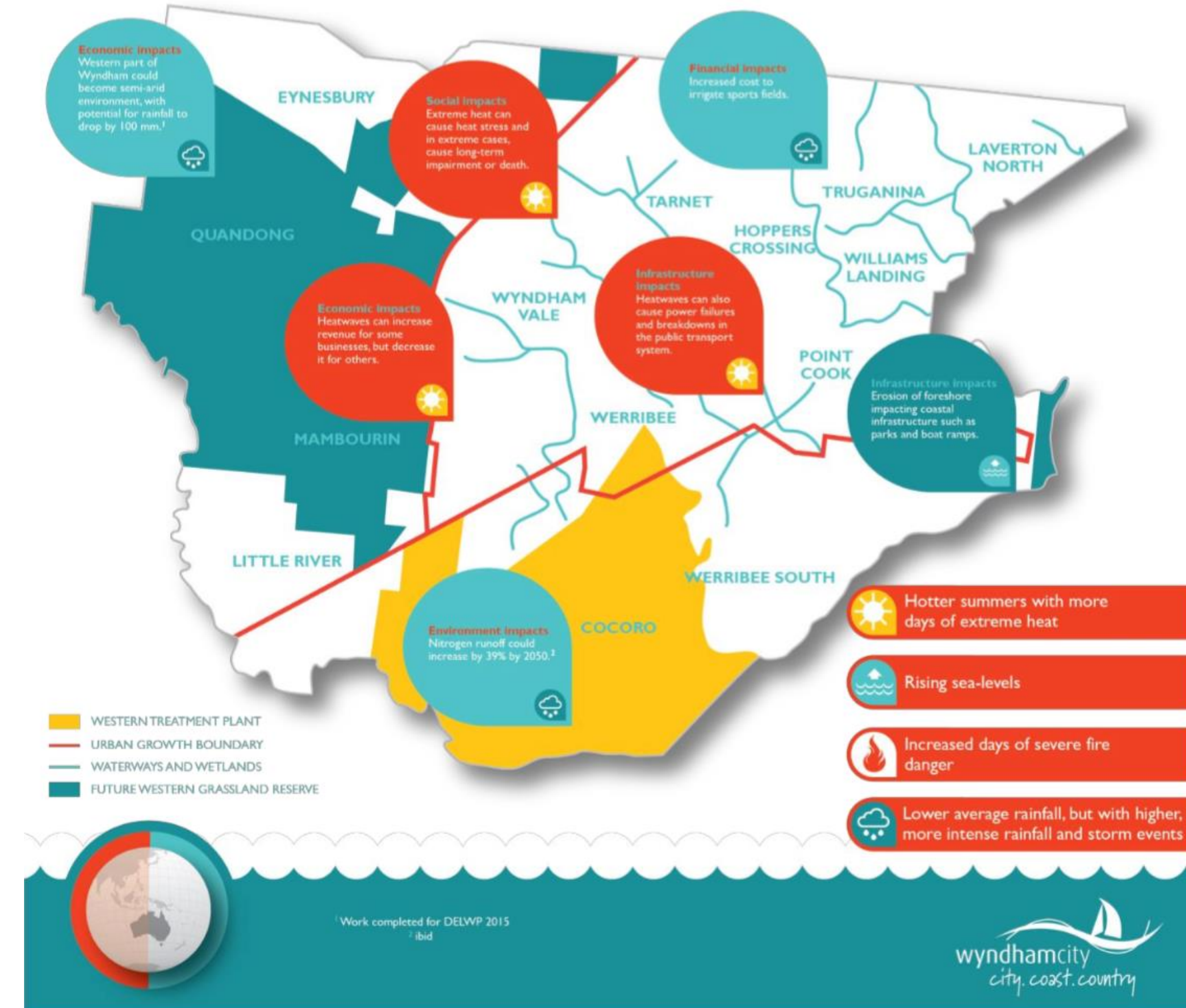
Wyndham City Council Carbon Neutrality by 2050



Climate Change and City of Wyndham

CLIMATE CHANGE RISKS

- Wyndham's economy and businesses deteriorate
- Increased negative impact on Wyndham's vulnerable people
- Inability to maintain mobility across the municipality
- Higher deterioration of roads
- Extreme weather events occur more frequently
- Drainage assets fail to meet appropriate requirements
- Council buildings are damaged or experience increased deterioration
- Loss of natural habitat and biodiversity
- Decreased availability of water for council use



Where next for Wyndham?

- Solar and battery projects.
- Greenhouse Action Plan
- Long term monitoring of CC adaptation.
- Business focus – EUA, Energy\$mart.
- Major street light changeover.
- Planning scheme amendment



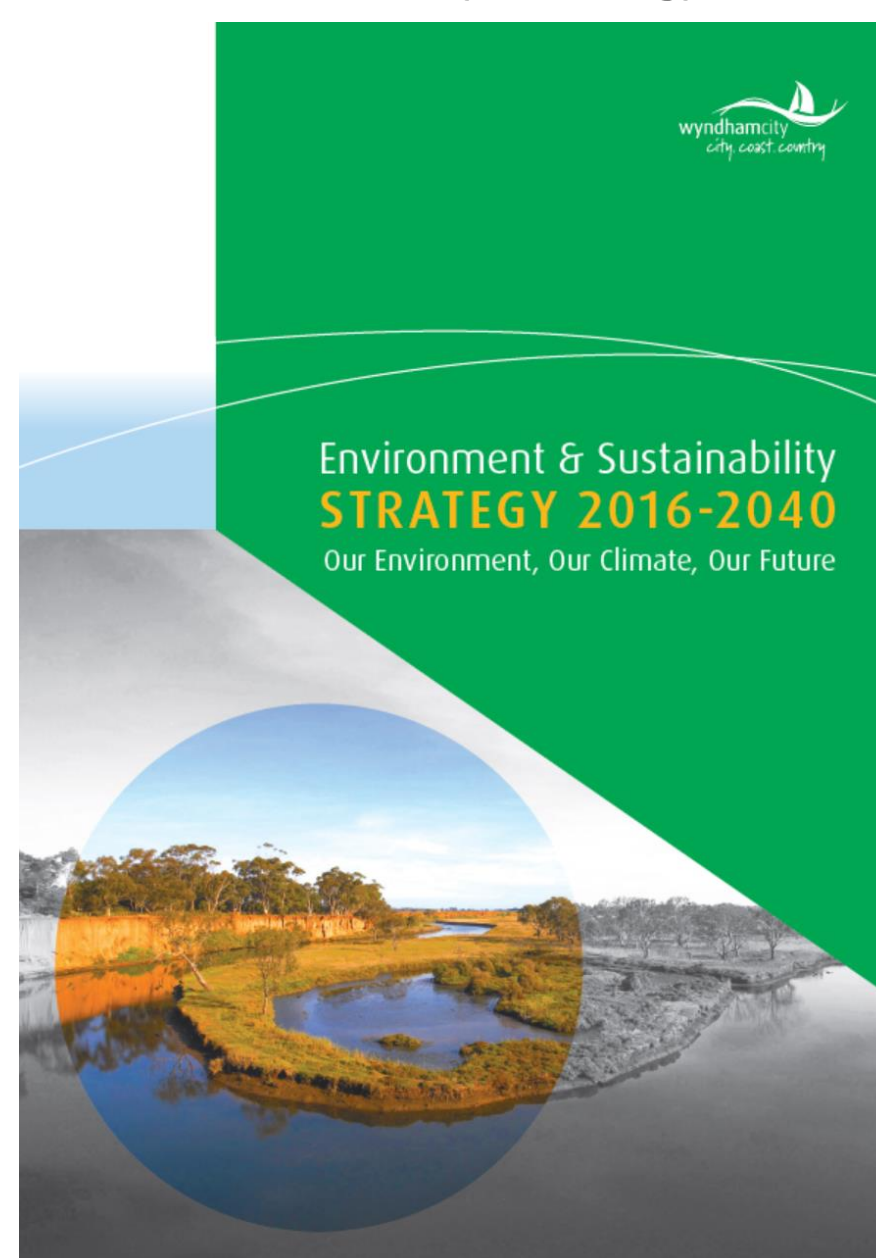
Topic Statement	Short Term Targets (Working towards 2020)	Long Term Targets (Working towards 2040)
3.1 Greenhouse Gas and Air Pollution Reduction Improving energy efficiency of Council's buildings, fleet, facilities and operations will result in long term financial savings and reduce Council's carbon footprint.	<ul style="list-style-type: none"> Reduce Council's corporate greenhouse emissions (CO2 eq.) by 12% below a 2014/2015 baseline, excluding the RDF 85% of Council's fleet cars and utes will be 4 cylinder engine capacity 80% of Council's passenger vehicles will be powered by a source other than diesel including a review of diesel vehicle air quality emissions An alternative fuel (e.g. electric) passenger vehicle trialled for consideration in Council's future fleet purchases 	<ul style="list-style-type: none"> Reduce Council's greenhouse emissions (CO2 eq.) by 95% Wyndham will be carbon neutral for corporate greenhouse emissions, as defined by the National Carbon Offset scheme, through the purchase of local offsets (excluding the RDF) 95% of Council's cars and utes will meet best practice emission standards At least 40% of passenger fleet vehicles will use a carbon neutral power source
1.1 Community Energy and Greenhouse Gas Reduction Assisting our residential community and business/industrial sectors to save energy and use alternate power sources will have long term financial and environmental benefits for our region.	<ul style="list-style-type: none"> At least 55,000 tonnes of greenhouse emissions (CO2 eq) avoided from residential and business sectors through the Low Carbon West Strategy A Wyndham postcode is ranked in the top 10 in Australia for the number of residential solar photovoltaic systems installed At least 1 Greenstar or equivalent rated community within the municipality 	<ul style="list-style-type: none"> Zero net greenhouse emissions from electricity use in the municipality A Wyndham postcode is ranked top 5 in Australia for the number of residential solar photovoltaic systems installed At least 10 Greenstar or equivalent rated communities within the municipality At least 20 Greenstar rated or equivalent business premises within the municipality
3.5 Climate Change Adaptation Uncertainties around climate and extreme weather events ensure we must plan, design and implement facilities, which can withstand increases in temperature, droughts, storms and flood risks.	Ensuring our community is responsive to these events will contribute to future prosperity and wellbeing.	<ul style="list-style-type: none"> Wyndham will complete all of the actions in the Climate Change Adaptation Strategy All new Council assets and upgrades are built to respond to a changing climate The community understands and is prepared to manage climate risks Climate change is considered in all Council decision making

City of Wyndham's Journey to Carbon Neutrality by 2050

Greenhouse Action Plan



Environment & Sustainability Strategy



OPPORTUNITIES

- Growth Council – Influence on new developments and to implement new technology
- Renewable Energy technology constantly changing – Batteries & Solar cheaper and more output
- Energy cost increases creates business case for renewables and high residential uptake

CHALLENGES

- Growth Council; 12% reduction target equivalent to 30% without growth
- Renewable Energy technology constantly changing
- Uncertainty with Energy distributors and increase in energy costs

Connecting Greenhouse Gas Emissions Reduction and Adaptation Planning

Greenhouse Gas Emissions (#7) evaluation

Council's greenhouse gas (GHG) emissions policy, strategy and/or action plan were reviewed along with other core governance documents and the council's website for words associated with mitigating GHG emissions (e.g. 'climate change', 'greenhouse gas emissions', 'carbon emissions' and 'mitigation'). If any of these words were identified a closer analysis of the context was undertaken to assess the extent of how they were considered in the document(s).

None	No formal GHG emissions policy, strategy or action plan found. No climate change target found in any of the core governance documents. Also, no climate change target or consideration to reduce greenhouse gas emissions found on the council's website.
Basic	A commitment or consideration to reduce greenhouse gas emissions is generally mentioned (either in GHG emissions documents or other core governance documents or displayed on the council's website). Climate change target established to 2020 only.
Intermediate	Climate change target established to 2030 (or one other single date) but minimal information on existing GHG emissions. No target for carbon neutrality.
High	Climate change target established out 2050 but no target for carbon neutrality. Information on council's current/historical GHG emissions is provided.
Advanced	Climate change target and aim for carbon neutrality by or before 2050.

Large Scale Solar Project

