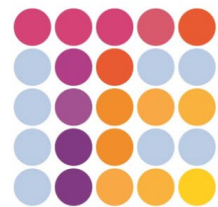




# How policymakers can better support the transition to net zero

Rachel Brdanovic



**Tandem**  
energy





# CLIMATE ACTION SUMMIT 2019



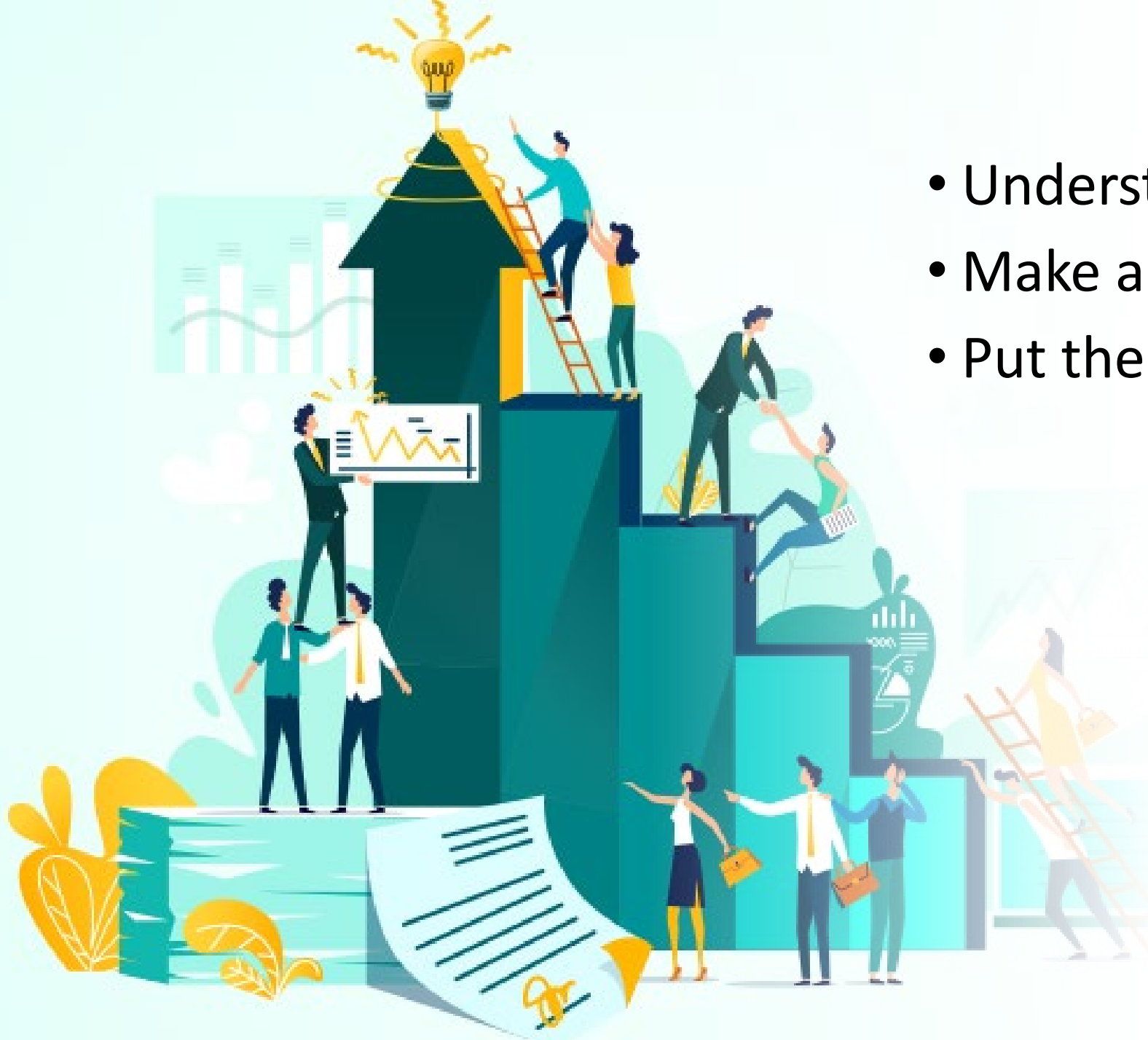


# Climate emergency declaration passes in Parliament

---

That this house —

- (a) notes the most recent Intergovernmental Panel on Climate Change report confirms that greenhouse gas emissions continue to rise, and current plans to address climate change are not ambitious enough to limit warming to 1.5° Celsius above pre-industrial level — a threshold scientists believe is necessary to avoid more catastrophic impacts;
- (b) notes that around the world, climate change impacts are already causing loss of life and destroying vital ecosystems;
- (c) declares that we are facing a climate emergency; and
- (d) commits to restoring a safe climate by transforming the economy to zero net emissions.



- Understand the problem
- Make a plan
- Put the plan into action

**Understand the problem**

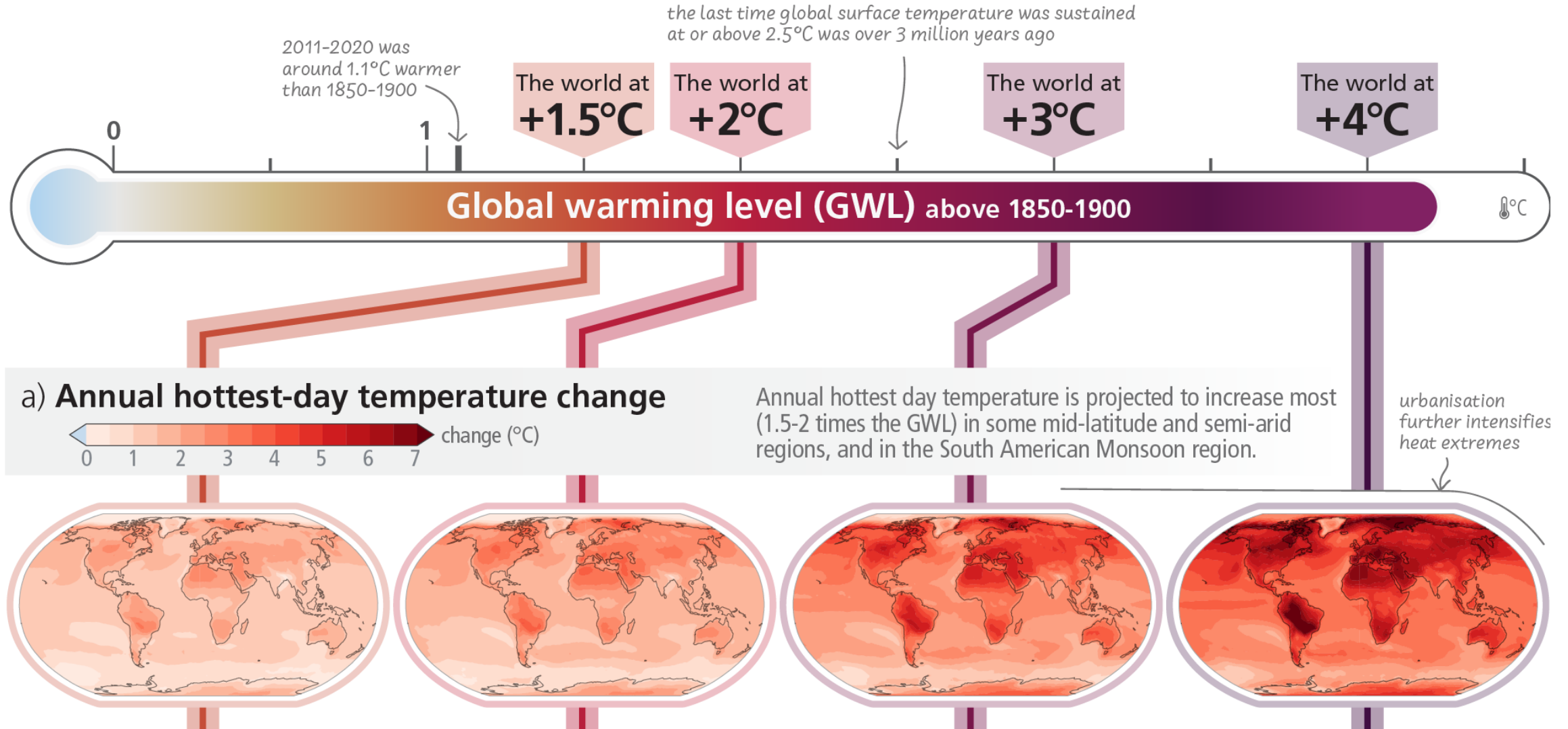

















# With every increment of global warming, regional changes in mean climate and extremes become more widespread and pronounced



# Guide to climate projections for risk assessment and planning in South Australia | 2022

Prepared by the Department for Environment and Water | November 2022

	<b>Higher temperatures</b>	Maximum, minimum and average temperatures will increase.
	<b>Warmer spring temperatures</b>	Warming in spring is likely to be greater than in any other season.
	<b>Hotter and more frequent hot days</b>	The frequency of very hot days will continue to increase, and periods of hot weather will get longer and hotter.
	<b>Fewer frosts</b>	The frequency of frost events will remain comparable until 2030. In the longer-term, frosts are expected to decrease as the climate warms.
	<b>Declining rainfall</b>	Average annual rainfall will decline.
	<b>Lower spring rainfall</b>	Spring rainfall declines will be greater than any other season.
	<b>More drought</b>	Time spent in drought will increase.
	<b>More intense heavy rainfall events</b>	The number and intensity of heavy rainfall events will increase.
	<b>Increased potential evapotranspiration</b>	Potential evapotranspiration is projected to increase across all seasons.
	<b>Wind</b>	Wind speeds will remain comparable until 2030. In the longer-term, a pattern of winter wind speed decrease is likely.
	<b>More dangerous fire weather</b>	Harsher fire weather will be experienced, and fuels will be drier and more ready to burn.
	<b>Rising sea levels</b>	Sea levels will continue to rise.
	<b>Warmer and more acidic ocean waters</b>	Sea surface temperatures will continue to rise, and acidity will continue to increase.



## Greenwashing by businesses in Australia

Findings of the ACCC's internet sweep of environmental claims

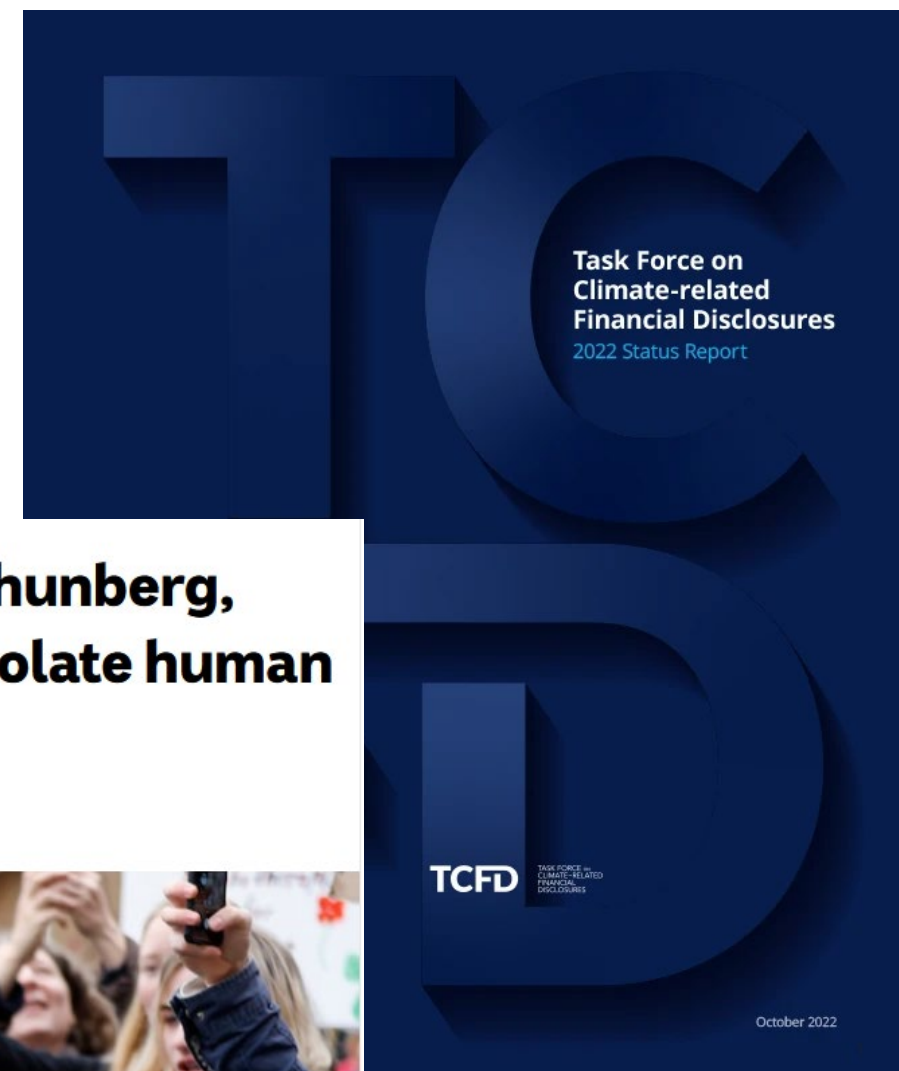
March 2021



www.accc.gov.au

## Swedish activists, including Greta Thunberg, sue state alleging climate policies violate human rights

Posted Sat 26 Nov 2022 at 12:49pm



# What does climate action look like?



DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

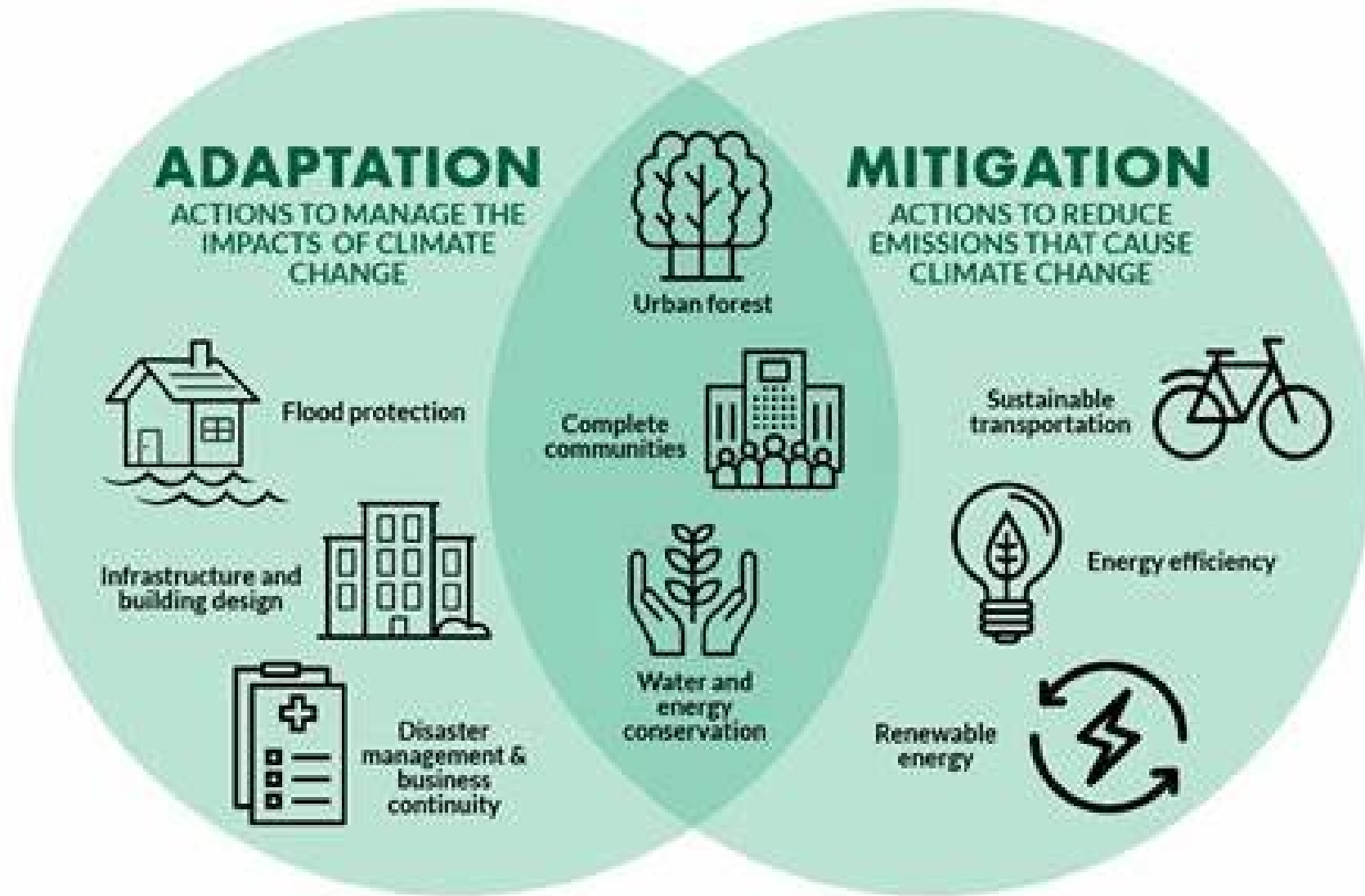
## What are 'science-based targets'?

Science-based targets provide a clearly-defined pathway for companies to reduce greenhouse gas (GHG) emissions, helping prevent the worst impacts of climate change and future-proof business growth.

Targets are considered 'science-based' if they are in line with what the latest climate science deems necessary to meet the goals of the Paris Agreement – limiting global warming to well-below 2°C above pre-industrial levels and pursuing efforts to limit warming to 1.5°C.

SET A TARGET





Source: Grey County Climate Change action plan, 2022





# Total economic dividend of climate resilience by 2050



+



=



**Economic reality check**  
Adapting Australia  
for climate-resilient growth  
January 2022

**Deloitte**  
Access **Economics**





**Make a plan**

Ad  
for

A Cl  
RDA

"We first r  
— John D

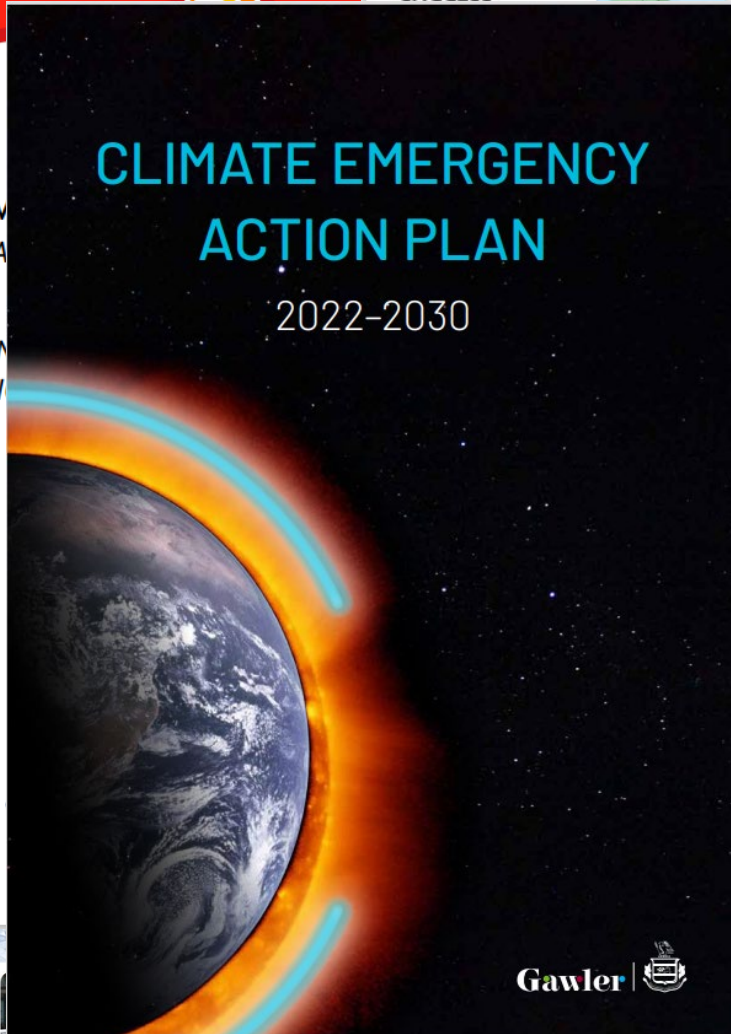
YORKE AND M  
REGIONAL SECTOR A

PURSUANT TO THE  
CLIMATE CHANGE AN  
EMISSIONS REDUCTI

NOVEMBER 2017

# CLIMATE EMERGENCY ACTION PLAN

2022-2030



Gawler



# Environmental Sustainability Strategy and Action Plan 2022-2027

- Ongoing support for climate forecasting tools to improve certainty around scenarios.
- Establish and maintain a coordinated, state-wide 'warehouse' for national climate change research, adaptation and support for regions and sectors.
- Provide state-wide, sector based climate change knowledge brokers to work with regional decision makers and industry groups to identify research needs, required formats and opportunities for local case studies.
- Provide ongoing funding, support and coordination for adaptation research and implementation of regional priorities.
- Develop state-wide policies for biodiversity management and other NRM adaptive management requirements under climate change.
- Provide support for national level sector research to develop adaptation pathways for biodiversity management and landholders relevant to region.
- Develop a framework for NRM regional and/or national business extension services for climate change adaptation that consider the role of the private sector.
- Build state-wide expertise in carbon farming and soils.
- Develop a state-wide community engagement program.

### PRIORITY PROJECTS

#### Regional Sustainability Centre

The future of our region will continue to be based on sustainable agriculture and viticulture, along with emerging growth in low carbon technologies, underpinned by sustainable living and resilient rural communities. Successful climate change adaptation at the region level needs to be based on regionally relevant and accessible research and an engaged community with the information and skills to adapt. The Regional Alliance is working with a number of research, educational and industry partners to progress a regional project cycle Sustainability Centre to fully coordinate research effort, showcase innovation and provide a knowledge and educational hub and an adaptive industry cluster for the region.

#### Coastal Digital Elevation Modelling

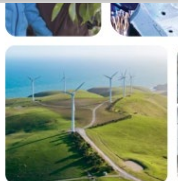
The Yorke and Mid North Region has over 800km of coastline which supports a diversity of environmental systems, residential, recreational and industry products that will be vulnerable as a result of sea level rise. The Regional Alliance partners are supporting a proposal by the Government of South Australia to close the gaps in the digital elevation modelling for the entire of the South Australian coast and provide a comprehensive basis to understand sea level rise and storm surge impacts on our communities, industries and environment.

#### Low Carbon Transition Programme

The future economic and social prosperity of the Yorke and Mid North Region depends on its ability to adapt to a changing climate and attract new business and industry investment, securing new employment opportunities and community stability. The Regional Alliance partners are working with University College London to investigate low carbon opportunities within a triple bottom line (and regional context). The project identifies ideas and options for a range of clean-tech and renewable energy development across the region, including micro-generation as well as large scale solar, wind, wave, geothermal, carbon farming and biomass will be analysed and mapped.



LANGUAGE ▾



3 minute read · September 23, 2022 2:18 AM GMT+9:30 · Last Updated 6 months ago

# Lights off, heat down: central Europe governments save power to set example

By Jan Lopatka



[5/5] The illumination on the Royal Palace is off to comply with the Spanish government's measures to save energy, amid Russia's attack on Ukraine continues, in Madrid, Spain, August 10, 2022 ... [Read more](#)



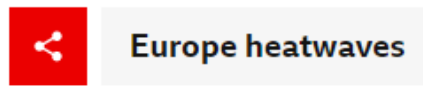
Countries Fuels & technologies Analysis

## Emergency measures can quickly cut global oil demand by 2.7 million barrels a day, reducing the risk of a damaging supply crunch

Press release  
18 March 2022

# Spain heatwave: PM tells workers to stop wearing ties to save energy

29 July 2022



France Diplomacy

Press Room | English



THE MINISTRY FOREIGN POLICY COUNTRY FILES COMING TO FRANCE

Home > French Foreign Policy > Development Assistance > Food Security, Nutrition and Sustainable... > Food crises: for an effective and inclusive...

A+ A-

## Food crises: for an effective and inclusive response to the consequences of the war in Ukraine



# ...e it': Albanese to focus on bushfire relief

...nese says a disaster recovery funding declaration has been made in light of the recent bushfires communities in New South Wales.

...rt fund would be activated by a request from the Premier with support from the NSW Opposition

## Flood disaster waste man...



SOUTH AUSTRALIAN WINE INDUSTRY ASSOCIATION INC.

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Search

GISA > Flood disaster waste management

## River Murray Region Floods 2022-

To register for an assessment of your property: contact the between 9:00 am and 5:00 pm, Monday to Friday.

### Disaster assistance for hail damage - now available

Monday 22, Nov 2021

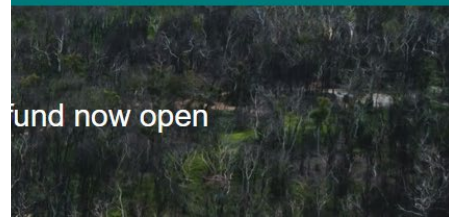


Disaster assistance is now available in 24 council areas, including the Adelaide Hills, Barossa and Riverland, following severe storms on Thursday 28 October. Assistance is being provided through the jointly funded Commonwealth-State Disaster Recovery Funding Arrangements (DRFA).

The storm event required a significant response from the SA State Emergency Services, which received 1,338 calls over a 24-hour period. The extent of the damage is still being assessed by the Department of Primary Industries and Regions South Australia.

The available assistance measures include personal and financial counselling, counter disaster operations, removal of debris and restoration of essential public assets.

Data About us ▾



# Storm clean-up support announced for communities across South Australia

ABC Riverland / By Victor Petrovic, Eliza Berlage, Sophie Landau, and Matt Stephens

Posted Fri 12 Nov 2021 at 3:26pm, updated Fri 12 Nov 2021 at 3:31pm

News / Infrastructure

## NSW's flood recovery cost taxpayers billions. But how have they been spent?

Crikey can reveal the huge bill taxpayers have footed after the NSW government's widely criticised flood response.

ANTON NILSSON FEB 28, 2023 5

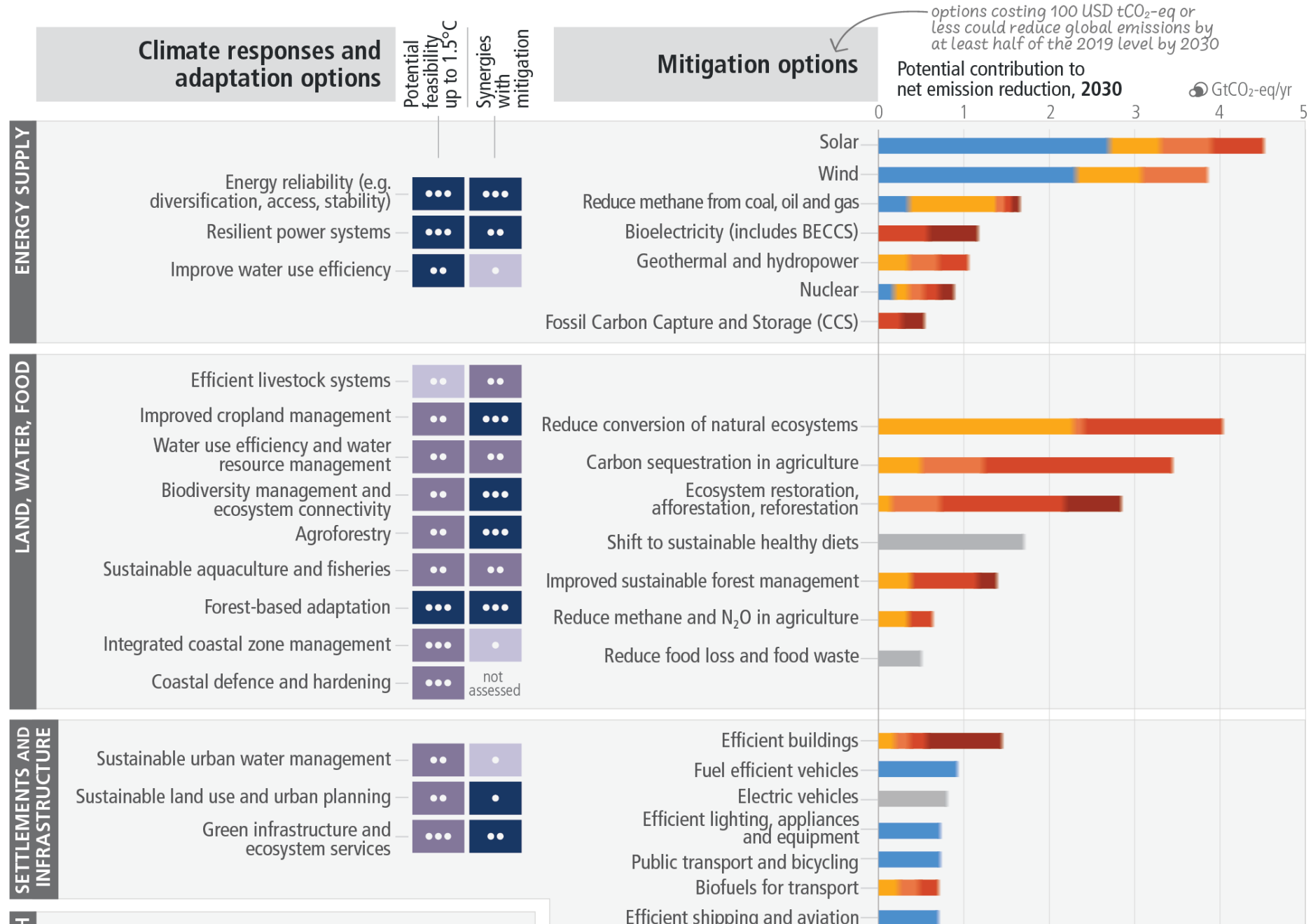
Share



**Put the plan into action**

# There are multiple opportunities for scaling up climate action

## a) Feasibility of climate responses and adaptation, and potential of mitigation options in the near-term



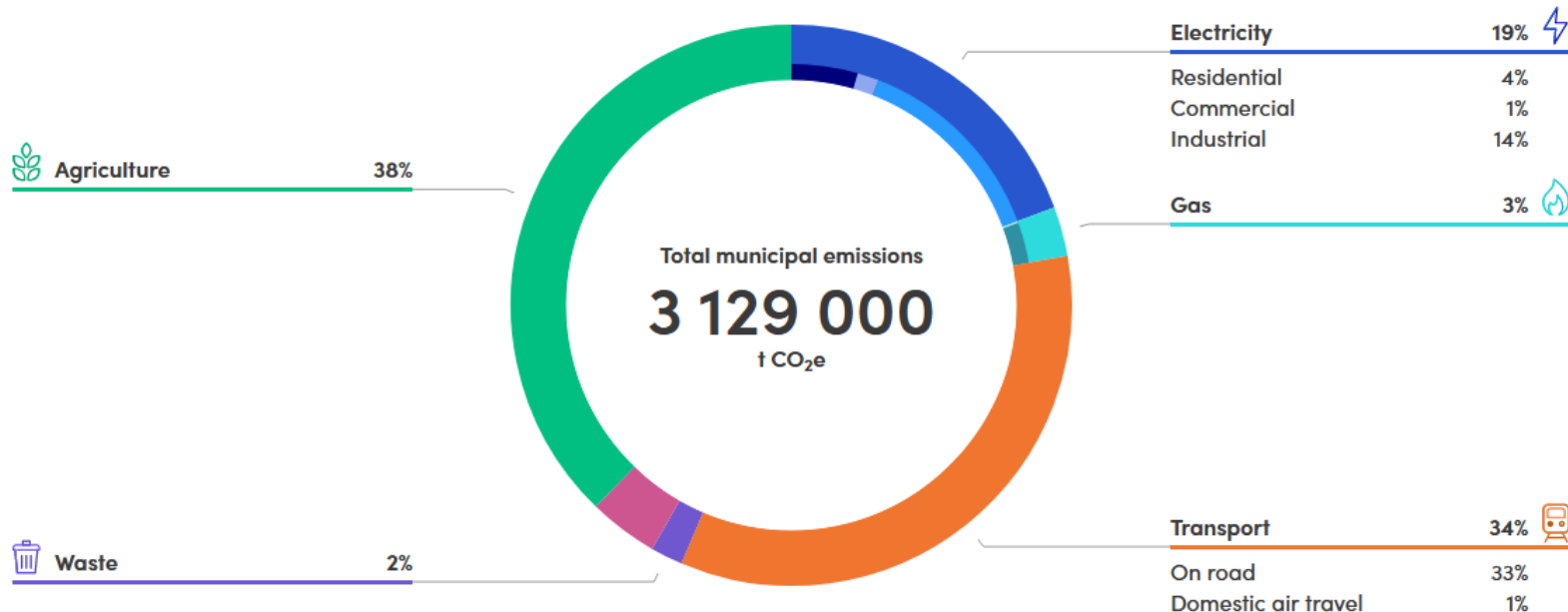
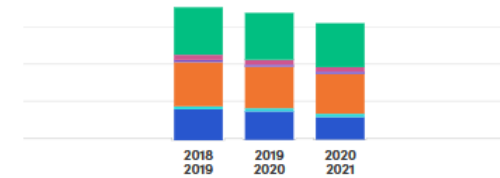
# Emissions measurement



2020/2021  2018 - 2021  CY  FY

## Grey

2020/21 electorate emissions snapshot





# CITIES

## RACE TO ZERO

<https://www.c40knowledgehub.org>





## Implementing effective and equitable climate action

The C40 Knowledge Hub offers a full climate action library for city staff and decision makers, setting out the most impactful actions cities can take and how to implement them based on the insights and experience of those already doing so. Find resources below to help you implement the priority actions you committed to in your Cities Race to Zero commitment.

> [Create a more inclusive society](#)

---

> [Create green and healthy streets](#)

---

> [Reduce air pollution](#)

---

> [Develop zero carbon buildings](#)

---

> [Move toward resilient and sustainable energy systems](#)

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> [Advance toward zero waste](#)

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∨ [Create sustainable food systems](#)

- [How cities can shift toward a Planetary Health Diet for all](#)
  - [How cities can reduce food waste by households and businesses](#)
- 

> [Divest from fossil fuels and invest in a sustainable future](#)

---

> [Nature-based solutions](#)

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> [Other articles relevant to Cities Race to Zero](#)



# BAROSSA WATER SECURITY STRATEGY 2050

7 June 2021

June - July 2021

12 August 2021

Sept - Nov 2021

14 December 2021

May-July 2022

November 2022

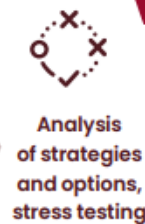
## Workshop 1

- Development of vision, scenario foundations, initial backcasting & system mapping
- **Workshop** – what does the future Barossa look like to you? How could we get there?



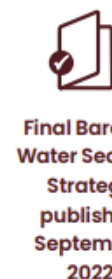
## Workshop 2

- Development of more detailed scenarios & refine backcasting, cross-scenario analysis
- **Workshop** – what could happen in the future, explore uncertainties and plan for them



## Workshop 3

- Share results of analysis of strategies and options
- Consider impacts of actions
- **Workshop** – identify preferred strategy and options



### WATER-RELATED PILLARS

Integrated supply and demand management for water security



Regenerative land management for water security



Healthy waterways and water-dependent ecosystems



### SUPPORTING PILLAR

Business innovation and diversification



Education and knowledge management for adaptive water management



### FOUNDATIONAL PILLAR

Collaborative adaptive governance



FUTURE

Figure 2 – Strategic pillars to achieve the future vision for Barossa



BOATY MCBOATFACE



# People's assembly



# NUCLEAR CITIZENS' JURY

-WHAT'S IMPORTANT FOR  
SOUTH AUSTRALIA?



democracyCo

# Put an internal value on climate action

- Build a cost of carbon into any decisions you make
- Ensure RFQs or tender documents include climate considerations
  - Prioritize circularity and low-carbon materials
  - Require/support suppliers to adopt science-based targets



# Educate and empower staff

- Top down
- Bottom up







CLIMATE SOLUTIONS

AT WORK

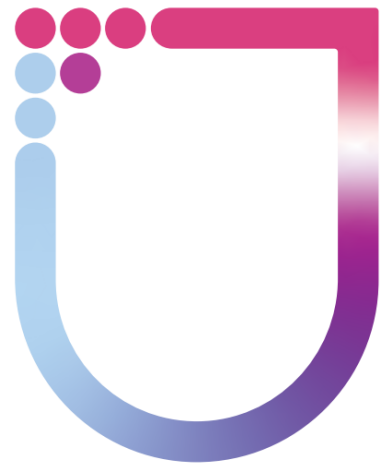
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ACTION  
PROJECT

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climate impact



WorkforClimate helps you **10x your impact** by guiding you through the steps required to take climate action at work

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### c) The extent to which current and future generations will experience a hotter and different world depends on choices now and in the near-term

