

Projected changes Metropolitan Sydney

NSW



Low-emissions scenario

Average temperature increase

↑ **1.0°C**
2050

↑ **1.2°C**
2090



Hot days per year will increase by:

6.2 **7.3**
2050 2090



Sea level will rise by:

18cm **35cm**
2050 2090



Severe fire weather days per year will increase by:

0.7 **0.8**
2050 2090

High-emissions scenario

Average temperature increase

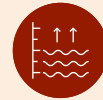
↑ **1.8°C**
2050

↑ **3.4°C**
2090



Hot days per year will increase by:

9.7 **20.4**
2050 2090



Sea level will rise by:

22cm **56cm**
2050 2090



Severe fire weather days per year will increase by:

1.2 **2.5**
2050 2090

Regional impacts

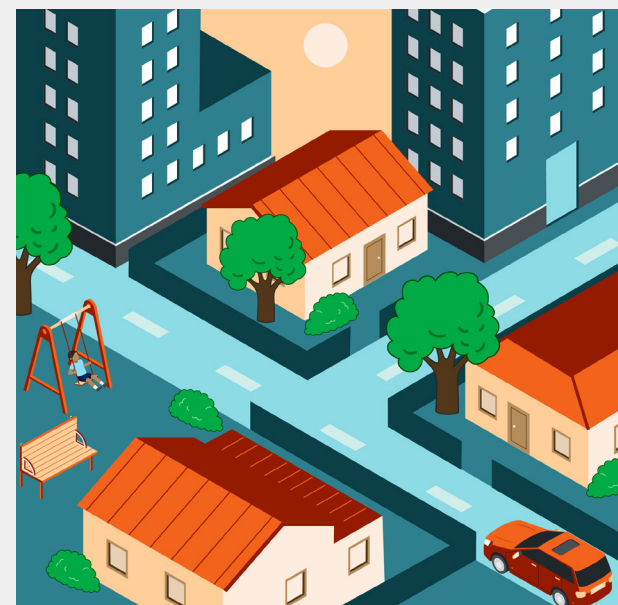


Coastal settlements

Inundated by rising sea levels

Urban centre

Increased extreme heat

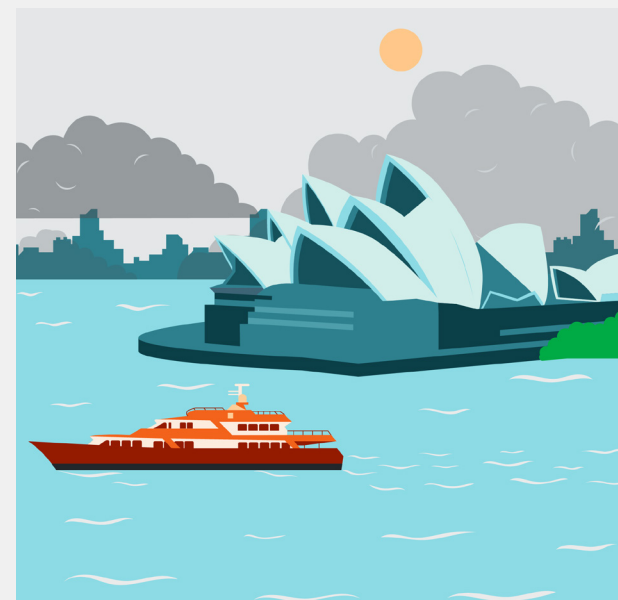


Increased severe fire weather

Bushland

Increased severe fire weather

Air quality



Data is based on NARClIM2.0 (2024) projections for SSP1-2.6 (low-emissions) and SSP3-7.0 (high-emissions) and is presented relative to the historical climate baseline of 1990–2009. The projections for 2050 represent averaged data for 2040–2059 and projections for 2090 represent averaged data for 2080–2099. Values presented are averages across the NARClIM2.0 model ensemble, and do not represent the full range of plausible climate futures. Regional climate change impacts are used to highlight how the region is likely to be affected by climate change, and impacts are not limited to the examples provided. Sea level rise data is from the IPCC's Sixth Assessment Report and is presented relative to a baseline of 1995–2014.