



Australia country update

IEA Task 39 Meeting
12-13 September 2022
Gavle, Sweden

Latest Chapter in Australian Climate War



GETTY IMAGES



The New York Times

Australia's 'Climate Election' Finally Arrived. Will It Be Enough? - The New York Times

Shift away from 2 parties



- 1/3rd of vote went to Independents and the Greens



Independent Monique Ryan (centre) is one of several high-profile women who have unseated Liberal MPs



<https://www.bbc.com/news/world-australia-61503380>

Climate Change Act now passed

Australia's climate change targets will become law. What happens now?

Here's what we know the new bill means for climate action and what happens once we have legislated targets

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📷 Australia's climate bill enshrines into law two greenhouse gas emissions targets: a 43% cut below 2005 levels by 2030 and a reduction to net zero by 2050. Photograph: Mick Tsikas/AAP

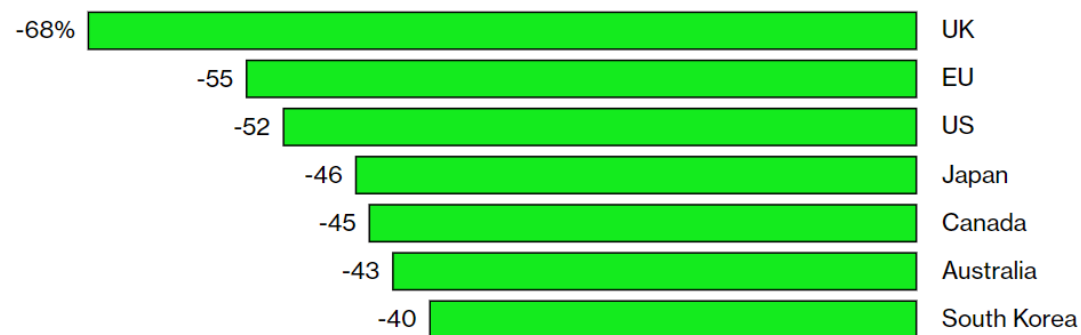
The Australian House of Representatives has [passed the country's first climate change legislation](#) in more than a decade. The main part of the previous bill - an emissions trading scheme, introduced by the Gillard government with the support of Greens and independents - was repealed by the Coalition under Tony Abbott in 2014.

<https://www.theguardian.com/australia-news/2022/aug/05/australias-climate-change-targets-will-become-law-what-happens-now>

- 43% cut below 2005 levels by 2030
- “net zero” by 2050

Curbing Emissions

Nations including the US and Australia have accelerated targets to cut greenhouse gas emissions by 2030

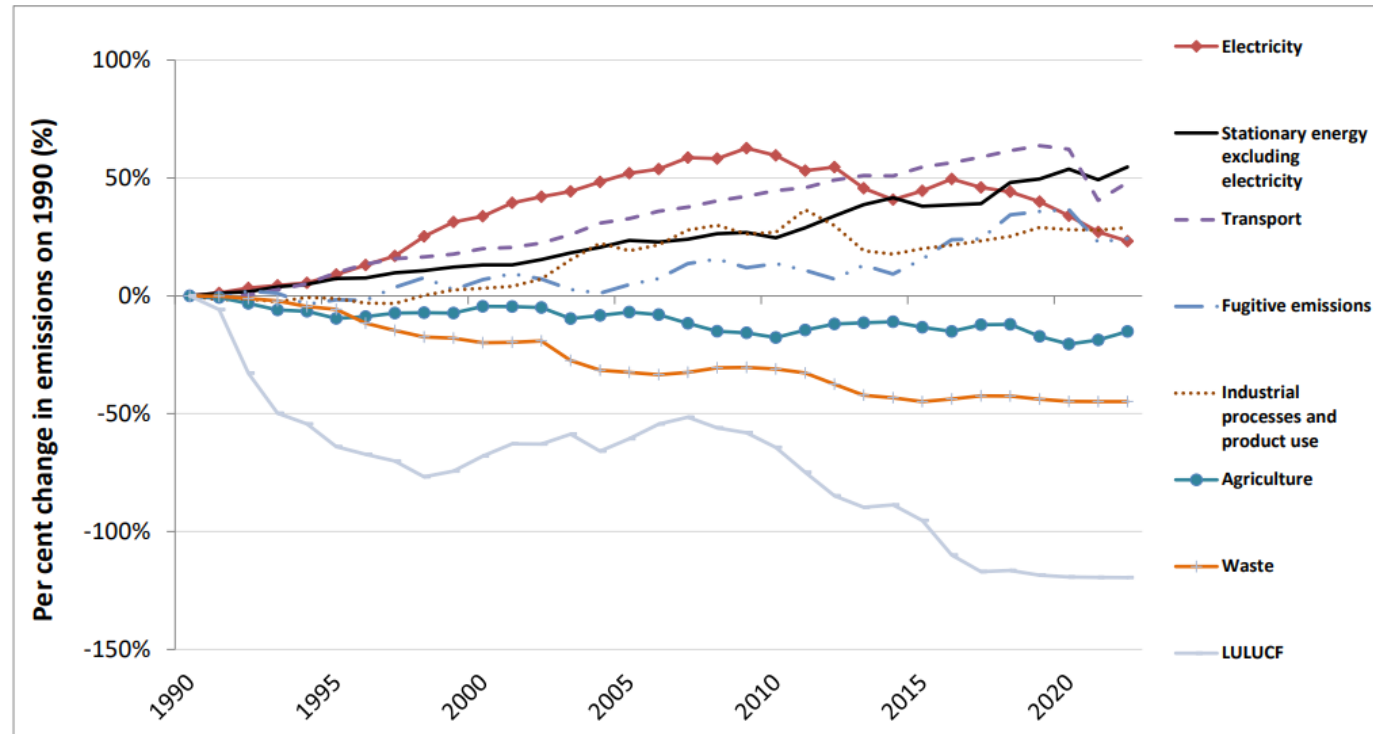


Source: UNFCCC, Climate Council

Note: UK, EU targets are for curbs on 1990 levels; Australia, Canada and US from 2005; Japan from 2013; South Korea from 2018. Canada targeting 40%-45% range, US 50%-52%.

Transport Emissions continue to grow

Figure 5: Percentage change in emissions, by sector, since year to March 1990



Source: Department of Climate Change, Energy, the Environment and Water

[Quarterly Update of Australia's National Greenhouse Gas Inventory: March 2022 \(dcceew.gov.au\)](https://www.dcceew.gov.au/quarterly-update-australias-national-greenhouse-gas-inventory-march-2022)

- Transport emissions have increased 48.0% or 29.5 Mt CO2-e since 1990
- Stationary energy (excluding electricity) –Emissions have increased 54.7% or 36.2 Mt CO2-e driven, in particular, by continued growth in the export of LNG
- Fugitives – where emissions have increased 24.3% or 9.8 Mt CO2-e since 1990. Emissions ..have increased strongly as a result of the growth of the LNG industry;

Fuel Emissions Standards

The Australian Government is Getting Real on Fuel Efficiency Standards

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Zachariah Kelly

Published 3 weeks ago: August 19, 2022 at 10:59 am - Filed to: AUSTRALIA ✓



Image: iStock

Australia may be on track to get fuel efficiency standards, according to a speech Climate Change and Energy Minister Chris Bowen gave today at the EV Summit in Canberra.

In September, the Australian government will be releasing a discussion paper that will inform the development of a national electric vehicles strategy and the

<https://www.infrastructure.gov.au/departments/media/news/consultation-coming-fuel-efficiency-standards>

<https://www.gizmodo.com.au/2022/08/australian-fuel-efficiency-standards/>



- Electrification
Should benefit Ethanol and Biodiesel but focus on EV's

Focus on hard to decarbonise sectors



- Aviation

Qantas and Airbus joint investment to kickstart Australian biofuels industry

Latest News | Published 20 June 2022

The Australian Sustainable Aviation Fuel Partnership was signed by Qantas Group CEO Alan Joyce and Airbus CEO Guillaume Faury in Doha yesterday, ahead of the IATA AGM. The landmark agreement will see the Qantas Group and Airbus invest up to US\$200 million to accelerate the establishment of a sustainable aviation fuel (SAF) industry in Australia.

Due to the lack of a local commercial-scale SAF industry, Australia is currently exporting millions of tonnes of feedstock every year, such as canola and animal tallow to be made into SAF in other countries.

The Qantas Group, which has committed to using 10 per cent SAF in its overall fuel mix by 2030, is sourcing SAF overseas. This includes 15 per cent of its fuel use out of London currently and 20 million litres each year for flights from Los Angeles and San Francisco to Australia from 2025.

<https://www.qantas.com/agencyconnect/au/en/agency-news/agency-news-june-22/qantas-and-airbus-joint-investment-to-kickstart-australian-biofuels-industry.html>

Focus on hard to decarbonise sectors

- Marine
 - 1 MT of domestic VLSFO



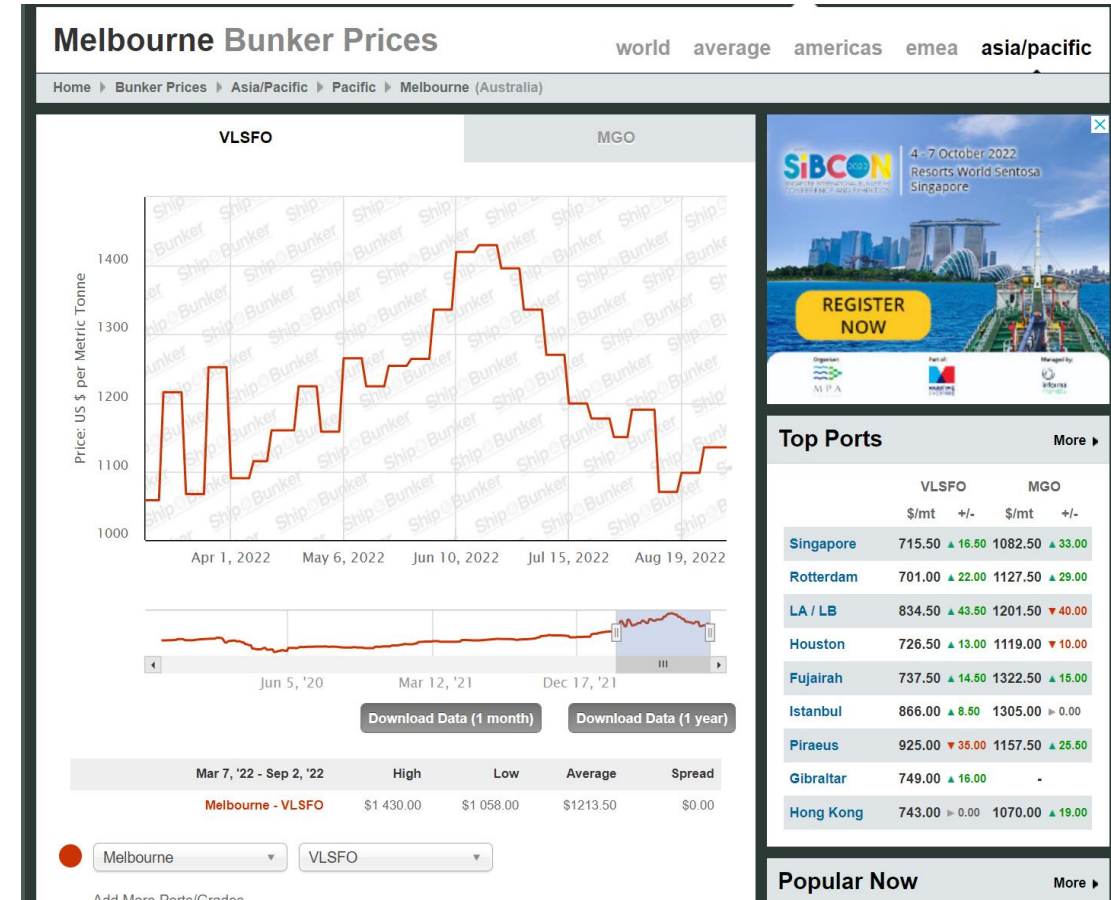
MARITIME FORECAST TO 2050

Energy Transition Outlook 2022

emissions. To maximize the GHG reduction potential of sustainable biomass – potentially an important source for carbon-neutral drop-in fuels for conventional machinery – this should be reserved for hard-to-abate sectors like shipping and aviation, rather than for electricity production.

Marine

- Melbourne av price US\$ 1,215 t VLSFO
- Brisbane US\$ 1,230
- Tauranga NZ US\$ 1,313
- US\$500-US\$600 more than Hubs – Singapore Rotterdam Houston



Licella HTL plants under construction



23 August 2022 | Media releases

Arbios Facility Named Chuntoh Ghuna - "The Forest Lives"

<https://arbiosbiotech.com/news>

Australian Biofuel – Future Strategy & Policy

Please tell us your views on what works and what doesn't