

Australia: From saviour to victim

After the Russian invasion of Ukraine, Australia was viewed as a possible solution for energy shortages in the Asia Pacific region – instead, it has suffered its own energy crisis



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Where does Australia want to be?

Australia has given a weak, [non-legislated pledge to achieve net-zero carbon by 2050](#).

What it's been doing to get there: New 2030 goal announced

In October 2021, just prior to the COP26 climate round, Australia set out an intention to achieve net carbon zero by 2050. This was a weak commitment, however, not backed up by legislation and instead reliant upon [AUD\\$80bn of technological expenditure](#) by the government with the aim of creating a cost environment conducive to the adoption of clean energy. There was no change to the target for CO₂ reduction by 2030 – making Australia one of only four economies making no reduction at COP26. The Australian government at the time said it would exceed existing targets (though by less than the 45% scientists believe is necessary to hit COP targets). Australia also said that it will continue to provide the rest of the world with the energy it demands, so there are no plans to phase out coal or gas extraction. Since then, the incoming Australian Labour government has pledged to reduce Australia's emissions by 43% by 2030 (almost 45%), which would become its new target under the Paris agreement.

What's happened since the Ukraine war

The first point to note is the change in government at the Australian General Election on 21 May. The former Liberal / National coalition was beaten at the polls by Australia's Labour Party, with the Green Party also picking up four total seats (three more than it had) on a 10.4% share of the vote.

With an overall majority, Labour will not need to lean on the Greens to pass policy changes, but as the position paper "[Powering Australia](#)" indicates, renewables have been pushed up the political agenda with this change in leadership and there is a new, more ambitious target for emissions reduction by 2030.

The key points of the new policy are:

- Upgrade the electricity grid to fix energy transmission and drive down power prices.
- Make electric vehicles cheaper with an electric car discount and Australia's first National Electric Vehicle Strategy.
- Adopt the Business Council of Australia's recommendation for facilities already covered by the Government's Safeguard Mechanism that emissions be reduced gradually and predictably over time, to support international competitiveness and economic growth – consistent with industry's own commitment to net-zero by 2050.
- Protect the competitiveness of Emissions Intensive Trade Exposed industries by ensuring they will not face a greater constraint than their competitors.
- Allocate up to \$3bn from Labour's National Reconstruction Fund to invest in green metals (steel, alumina and aluminium), clean energy component manufacturing, hydrogen electrolyzers and fuel switching, agricultural methane reduction, and waste reduction.
- Provide direct financial support for measures that improve energy efficiency within existing industries and develop new industries in regional Australia through a new Powering the Regions Fund.
- Roll out 85 solar banks around Australia to ensure more households can benefit from rooftop solar.
- Install 400 community batteries across the country.
- Demonstrate Commonwealth leadership by reducing the Australian Public Service's own emissions to net-zero by 2030.
- Invest in 10,000 New Energy Apprentices and a New Energy Skills Program.
- Establish a real-world vehicle fuel testing programme to inform consumer choice.
- Work with large businesses to provide greater transparency on their climate-related risks and opportunities.
- Re-establish leadership by restoring the role of the Climate Change Authority, while keeping decision-making and accountability with the government and introducing new annual parliamentary reporting by the minister.

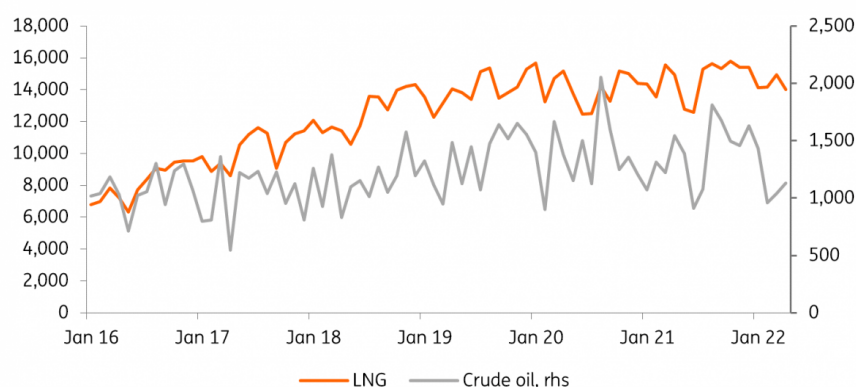
Australia is one of the few clear net energy surplus economies in the Asia-Pacific region. And it has benefited from a positive terms-of-trade shock to its energy exports, in particular natural gas, but also coal following Russia's invasion of Ukraine. Australia is also a major net exporter of agricultural products, including those directly disrupted by the war in Ukraine (wheat, corn), and also of metals.

There has been some talk of Australia providing more natural gas to Asia, thus freeing up other suppliers, such as Qatar, the US, and Algeria, to supply Europe with gas, displacing their reliance on

Russian gas.

The reality is that the Australian gas export market was already operating virtually at capacity. New trains required for liquefaction of gas to enable LNG transport are not on the table. New gas fields, the Beetaloo Basin in the Northern Territory, the Barossa gas field off the coast of the NT, and the Scarborough field, north-west of Exmouth, will not start to deliver gas until 2025/26.

Australia's energy exports (million litres)



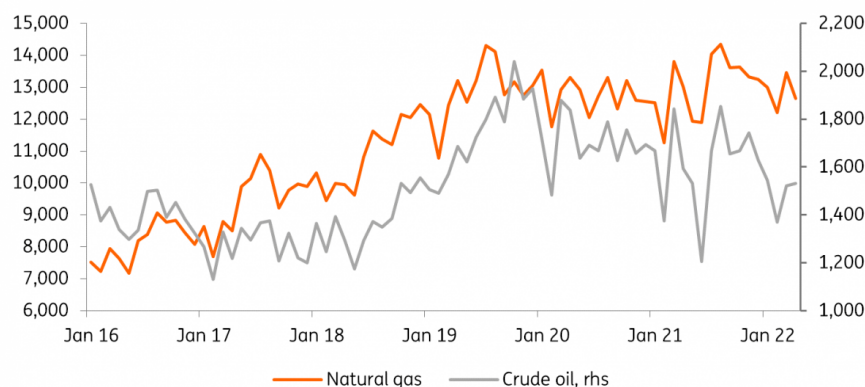
Australia's own energy crisis

Load swaps might have been another possibility, where Australia fills a gas order so another producer in the Northern Hemisphere can supply Europe.

However, all talk of Australia providing an answer to commodity supply shocks in Asia has evaporated, as, despite its substantial energy riches, Australia has been suffering its own energy crisis.

The crisis has been described as a "perfect storm", combining an early Australian cold snap, floods affecting coal production (65% of Australian electricity generation is from coal), and old unreliable coal-fired power generating capacity being offline. LNG exporters have been exporting as much gas as possible overseas, taking advantage of high global prices in the aftermath of supply disruptions to Europe of Russian gas.

Australian energy production (million litres)



The plan to fix the energy market

The crisis resulted in the suspension of the wholesale energy market for the East coast of Australia (including five of the six states). Capped electricity prices fell below what generators were having to pay to produce electricity – as expensive imports of coal and gas were required to make up for domestic shortfalls. The result led to some capacity being temporarily withdrawn raising the prospect of blackouts.

The response to the crisis has been an [11-point plan](#) from energy ministers that includes the following:

- To develop a capacity mechanism, which would pay generating units to be available even if they are not used. This doesn't explicitly rule out coal, but it is hoped will facilitate more renewables.
- Procure and store gas for situations of supply shortage.
- Move forward with a National Transition plan for growth in renewables, hydrogen and transmission.

Summary

Australia's energy crisis is indirectly related to the spikes in energy commodity prices resulting from the Russia-Ukraine war. That, and an incoming government that appears to regard Australia's energy transition as a more pressing concern than the outgoing government, could hasten the adoption of renewables, including green hydrogen, pumped hydro, and storage mechanisms including batteries, as well as their more efficient inclusion into the distribution grid.

However, the short-term may see more gas being diverted from exports to domestic use. It may also delay the phasing out of coal-powered generation while reliable alternatives are being developed.

The recent crisis, if nothing else, has highlighted the risks to Australia (and others) of energy supply disruption in an inadequately planned transition in the face of external shocks like that generated by the Russia-Ukraine war. The road ahead may look a little clearer, but a more deliberate approach to transition may mean that less progress is made in the short term even as targets for emissions reduction are strengthened.

Author

Amrita Naik Nimbalkar

Junior Economist, Global Macro

amrita.naik.nimbalkar@ing.com

Mateusz Sutowicz

Senior Economist, Poland

mateusz.sutowicz@ing.pl

Alissa Lefebvre

Economist

alissa.lefebvre@ing.com

Deepali Bhargava

Regional Head of Research, Asia-Pacific

Deepali.Bhargava@ing.com

Ruben Dewitte

Economist

+32495364780

ruben.dewitte@ing.com

Kinga Havasi

Economic research trainee

kinga.havasi@ing.com

Marten van Garderen

Consumer Economist, Netherlands

marten.van.garderen@ing.com

David Havrlant

Chief Economist, Czech Republic

420 770 321 486

david.havrlant@ing.com

Sander Burgers

Senior Economist, Dutch Housing

sander.burgers@ing.com

Lynn Song

Chief Economist, Greater China

lynn.song@asia.ing.com

Michiel Tukker

Senior European Rates Strategist

michiel.tukker@ing.com

Michal Rubaszek

Senior Economist, Poland

michal.rubaszek@ing.pl

This is a test author

Stefan Posea

Economist, Romania

tiberiu-stefan.posea@ing.com

Marine Leleux

Sector Strategist, Financials

marine.leleux2@ing.com

Jesse Norcross

Senior Sector Strategist, Real Estate

jesse.norcross@ing.com

Teise Stellema

Research Assistant, Energy Transition

teise.stellema@ing.com

Diederik Stadig

Sector Economist, TMT & Healthcare

diederik.stadig@ing.com

Diogo Gouveia

Sector Economist

diogo.duarte.vieira.de.gouveia@ing.com

Marine Leleux

Sector Strategist, Financials

marine.leleux2@ing.com

Ewa Manthey

Commodities Strategist

ewa.manthey@ing.com

ING Analysts

James Wilson

EM Sovereign Strategist

James.wilson@ing.com

Sophie Smith

Digital Editor

sophie.smith@ing.com

Frantisek Taborsky

EMEA FX & FI Strategist

frantisek.taborsky@ing.com

Adam Antoniak

Senior Economist, Poland

adam.antoniak@ing.pl

Min Joo Kang

Senior Economist, South Korea and Japan

min.joo.kang@asia.ing.com

Coco Zhang

ESG Research

coco.zhang@ing.com

Jan Frederik Slijkerman

Senior Sector Strategist, TMT

jan.frederik.slijkerman@ing.com

Katinka Jongkind

Senior Economist, Services and Leisure

Katinka.Jongkind@ing.com

Marina Le Blanc

Sector Strategist, Financials

Marina.Le.Blanc@ing.com

Samuel Abettan

Junior Economist

samuel.abettan@ing.com

Franziska Biehl

Senior Economist, Germany

Franziska.Marie.Biehl@ing.de

Rebecca Byrne

Senior Editor and Supervisory Analyst

rebecca.byrne@ing.com

Mirjam Bani

Sector Economist, Commercial Real Estate & Public Sector (Netherlands)

mirjam.bani@ing.com

Timothy Rahill

Credit Strategist

timothy.rahill@ing.com

Leszek Kasek

Senior Economist, Poland

leszek.kasek@ing.pl

Oleksiy Soroka, CFA

Senior High Yield Credit Strategist

oleksiy.soroka@ing.com

Antoine Bouvet

Head of European Rates Strategy

antoine.bouvet@ing.com

Jeroen van den Broek

Global Head of Sector Research
jeroen.van.den.broek@ing.com

Edse Dantuma
Senior Sector Economist, Industry and Healthcare
edse.dantuma@ing.com

Francesco Pesole
FX Strategist
francesco.pesole@ing.com

Rico Luman
Senior Sector Economist, Transport and Logistics
Rico.Luman@ing.com

Jurjen Witteveen
Sector Economist
jurjen.witteveen@ing.com

Dmitry Dolgin
Chief Economist, CIS
dmitry.dolgin@ing.de

Nicholas Mapa
Senior Economist, Philippines
nicholas.antonio.mapa@asia.ing.com

Egor Fedorov
Senior Credit Analyst
egor.fedorov@ing.com

Sebastian Franke
Consumer Economist
sebastian.franke@ing.de

Gerben Hieminga
Senior Sector Economist, Energy
gerben.hieminga@ing.com

Nadège Tillier
Head of Corporates Sector Strategy
nadege.tillier@ing.com

Charlotte de Montpellier
Senior Economist, France and Switzerland
charlotte.de.montpellier@ing.com

Laura Straeter

Behavioural Scientist
+31(0)611172684
laura.Straeter@ing.com

Valentin Tataru
Chief Economist, Romania
valentin.tataru@ing.com

James Smith
Developed Markets Economist, UK
james.smith@ing.com

Suvi Platerink Kosonen
Senior Sector Strategist, Financials
suvi.platerink-kosonen@ing.com

Thijs Geijer
Senior Sector Economist, Food & Agri
thijs.geijer@ing.com

Maurice van Sante
Senior Economist Construction & Team Lead Sectors
maurice.van.sante@ing.com

Marcel Klok
Senior Economist, Netherlands
marcel.klok@ing.com

Piotr Poplawski
Senior Economist, Poland
piotr.poplawski@ing.pl

Paolo Pizzoli
Senior Economist, Italy, Greece
paolo.pizzoli@ing.com

Marieke Blom
Chief Economist and Global Head of Research
marieke.blom@ing.com

Raoul Leering
Senior Macro Economist
raoul.leering@ing.com

Maarten Leen
Head of Global IFRS9 ME Scenarios
maarten.leen@ing.com

Maureen Schuller

Head of Financials Sector Strategy

Maureen.Schuller@ing.com

Warren Patterson

Head of Commodities Strategy

Warren.Patterson@asia.ing.com

Rafal Benecki

Chief Economist, Poland

rafal.benecki@ing.pl

Philippe Ledent

Senior Economist, Belgium, Luxembourg

philippe.ledent@ing.com

Peter Virovacz

Senior Economist, Hungary

peter.virovacz@ing.com

Inga Fechner

Senior Economist, Germany, Global Trade

inga.fechner@ing.de

Dimitry Fleming

Senior Data Analyst, Netherlands

Dimitry.Fleming@ing.com

Ciprian Dascalu

Chief Economist, Romania

+40 31 406 8990

ciprian.dascalu@ing.com

Muhammet Mercan

Chief Economist, Turkey

muhammet.mercan@ingbank.com.tr

Iris Pang

Chief Economist, Greater China

iris.pang@asia.ing.com

Sophie Freeman

Writer, Group Research

+44 20 7767 6209

Sophie.Freeman@uk.ing.com

Padhraic Garvey, CFA

Regional Head of Research, Americas

padhraic.garvey@ing.com

James Knightley

Chief International Economist, US

james.knightley@ing.com

Tim Condon

Asia Chief Economist

+65 6232-6020

Martin van Vliet

Senior Interest Rate Strategist

+31 20 563 8801

martin.van.vliet@ing.com

Karol Pogorzelski

Senior Economist, Poland

Karol.Pogorzelski@ing.pl

Carsten Brzeski

Global Head of Macro

carsten.brzeski@ing.de

Viraj Patel

Foreign Exchange Strategist

+44 20 7767 6405

viraj.patel@ing.com

Owen Thomas

Global Head of Editorial Content

+44 (0) 207 767 5331

owen.thomas@ing.com

Bert Colijn

Chief Economist, Netherlands

bert.colijn@ing.com

Peter Vanden Houte

Chief Economist, Belgium, Luxembourg, Eurozone

peter.vandenhoute@ing.com

Benjamin Schroeder

Senior Rates Strategist

benjamin.schroeder@ing.com

Chris Turner

Global Head of Markets and Regional Head of Research for UK & CEE

chris.turner@ing.com

Gustavo Rangel

Chief Economist, LATAM

+1 646 424 6464

gustavo.rangel@ing.com

Carlo Cocuzzo

Economist, Digital Finance

+44 20 7767 5306

carlo.cocuzzo@ing.com