

References

Source 6

Adapted from Reserve Bank of Australia 2020, 'Renewable energy investment in Australia', *Bulletin*, March 2020, ISSN 1837–7211. <https://www.rba.gov.au/publications/bulletin/2020/mar/renewable-energy-investment-in-australia.html>. CC BY 4.0.

Source 8

Modified from IRENA and ILO 2022, *Renewable energy and jobs: Annual review 2022*, International Renewable Energy Agency, Abu Dhabi and International Labour Organization, Geneva, https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2022/Sep/IRENA_Renewable_energy_and_jobs_2022.pdf?rev=7c0be3e04bfa4cddaedb4277861b1b61

External assessment 2024

Stimulus book

Economics

General instruction

- Work in this book will not be marked.

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Source 1: Extreme global weather events, 1945 to 2024

	Storm	Flood	Drought	Other
1945–1964	200	80	<10	<10
1965–1984	380	420	25	21
1985–2004	1390	1450	340	360
2005–2024	2000	3200	400	680

Source 2: State Government media release, 2024

The \$5 billion CopperString Project 2032 is the largest expansion to the power grid in Australia. It links to the North West Minerals Province (375 000 square kilometres), an area that contains one of the world’s richest deposits of critical minerals, worth an estimated \$500 billion.

Source 3: Solar panel advertisement

Is solar for you?

Full cost after federal government subsidies are paid to you!

18 kW for \$15 000 10 kW for \$10 000

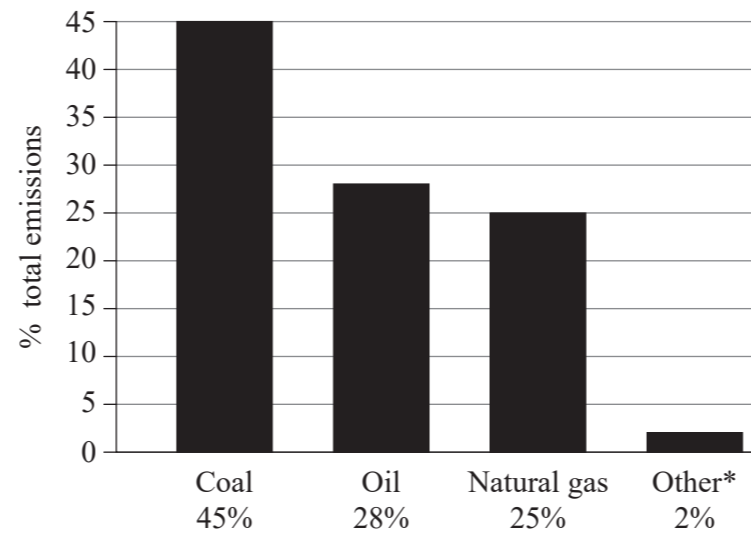
Join the 35% of houses connected!

Source 4: Scientific statement

There is evidence that non-renewable energy is a major contributor to climate change due to carbon emissions.

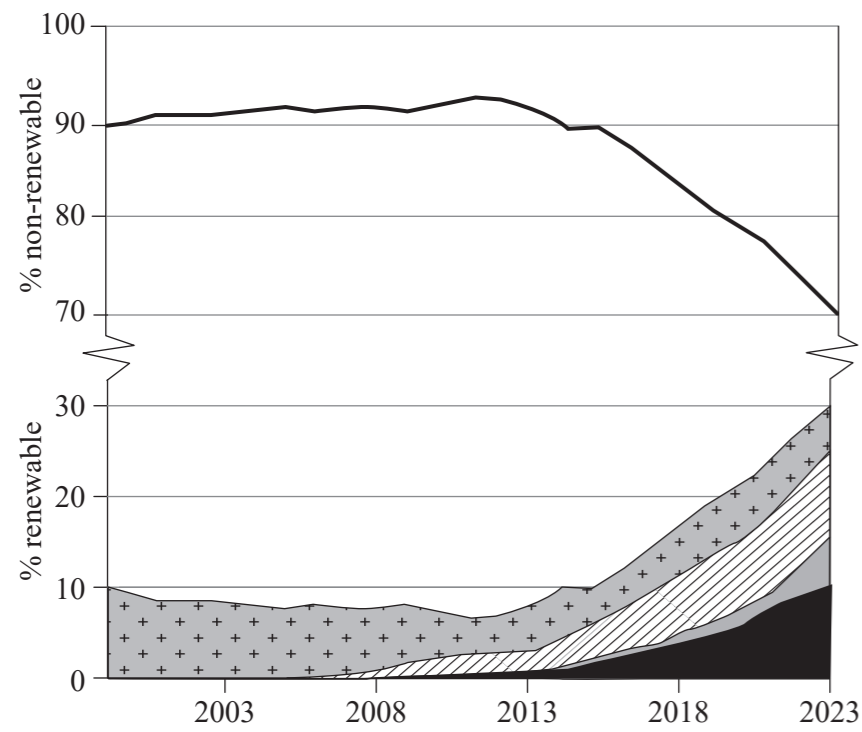
Australian weather disasters are damaging food, transport and major export industries and assets.

Source 5: Global carbon emissions by source, 2023



*Including renewable energy sources

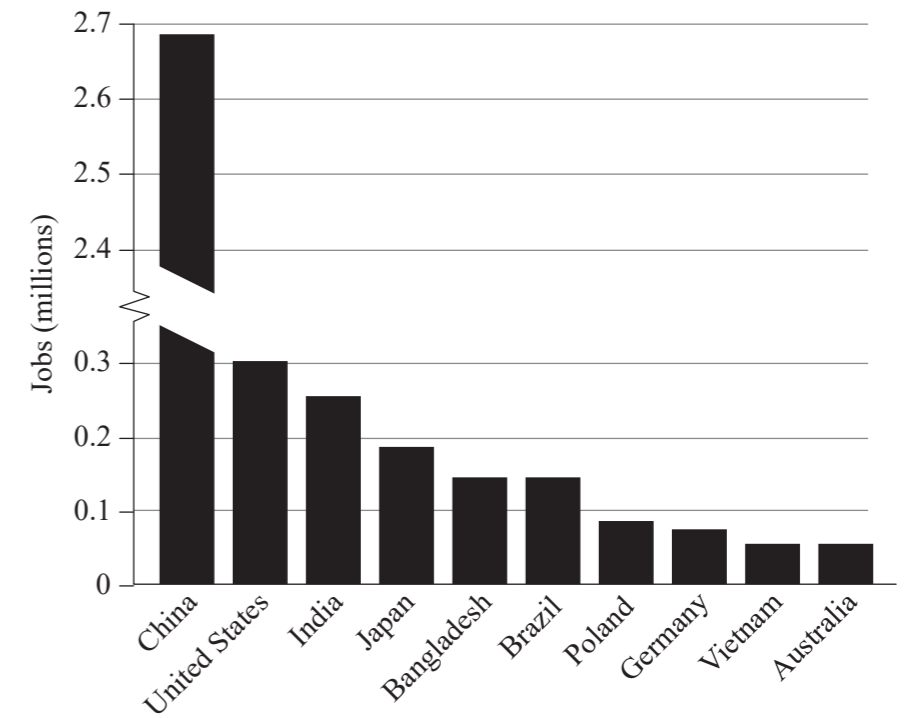
Source 6: National electricity generation by fuel type



Key

- Non-renewable
- ▨ Wind
- Rooftop solar
- ⊕ Hydro
- Large-scale solar

Source 8: Global solar production employment, top 10 countries, 2023



China has 63% of solar jobs

The top 10 countries have 87% of solar jobs

Source 7: Economic commentary, 2024

Emerging technologies rely on critical minerals that are important to the production of electric vehicles, renewable energy projects and storage, and low-emission power sources. The location of these minerals is accessed through a small, separate power grid that is gas-fired. The existing system is not enough for processing minerals or associated manufacturing.