**Appendix 1.**

**Reference Listing**

**Chapter 1. Are we Facing an Energy Crisis?**

1. Australian Energy Statistics 2022, Dept. of Climate Change, Energy, the Environment and Water.

[Australian Energy Statistics, Table O Electricity generation by fuel type 2021-22 and 2022 | energy.gov.au](https://www.energy.gov.au/publications/australian-energy-statistics-table-o-electricity-generation-fuel-type-2021-22-and-2022).

1. [Australian carbon credit units (cleanenergyregulator.gov.au)](https://www.cleanenergyregulator.gov.au/OSR/ANREU/types-of-emissions-units/australian-carbon-credit-units).

**Chapter 2. Climate Change and a Net Zero World**

1. Low-lying Pacific Island has more land above sea level than in 1943.

<https://www.auckland.ac.nz/en/news/2020/11/30/low-lying-pacific-island-has-more-land-above-sea-level-than-in-1.html>.

1. [AR6 Synthesis Report: Climate Change 2023 — IPCC](https://www.ipcc.ch/report/sixth-assessment-report-cycle/).
2. IEA [Global EV Outlook 2023](https://www.iea.org/reports/global-ev-outlook-2023): Prospects for electric vehicle deployment.

<https://www.iea.org/reports/global-ev-outlook-2023/prospects-for-electric-vehicle-deployment>.

# [China builds more new coal plants than rest of the world : NPR](https://www.npr.org/2023/03/02/1160441919/china-is-building-six-times-more-new-coal-plants-than-other-countries-report-fin).

1. Wood Mackenzie’s Modelling of the Energy Transition Pathways and the Route to Net Zero. [Energy transition outlook | Wood Mackenzie](https://www.woodmac.com/market-insights/energy-transition-outlook/) .
2. Meat and Livestock Australia Fast Facts 2020: Australia’s Beef Industry.

[mla-beef-fast-facts-2020.pdf](https://www.mla.com.au/globalassets/mla-corporate/prices--markets/documents/trends--analysis/fast-facts--maps/2020/mla-beef-fast-facts-2020.pdf) .

1. [Global Methane Tracker 2023 – Analysis - IEA](https://www.iea.org/reports/global-methane-tracker-2023) .
2. [Net-Zero-Stocktake-Report-2022.pdf (edcdn.com)](https://ca1-nzt.edcdn.com/Net-Zero-Tracker/Net-Zero-Stocktake-Report-2022.pdf?v=1655074300).

**Chapter 3. Australia’s 43% Reduction in GHGs by 2030**

1. [Critical Minerals Strategy 2023–2030 | Department of Industry, Science and Resources](https://www.industry.gov.au/publications/critical-minerals-strategy-2023-2030).
2. [Coal export value Australia 2022 | Statista](https://www.statista.com/statistics/1120570/australia-export-value-of-coal/).
3. [GenCost: Wind and solar remain the lowest cost new build electricity generation sources despite inflationary pressures - CSIRO](https://www.csiro.au/en/news/All/News/2023/July/GenCost).

**Chapter 4. The Present Energy Grid and How it Works**

1. Australian Energy Statistics 2022, Dept. of Climate Change, Energy, the Environment and Water.

[Australian Energy Statistics, Table O Electricity generation by fuel type 2021-22 and 2022 | energy.gov.au](https://www.energy.gov.au/publications/australian-energy-statistics-table-o-electricity-generation-fuel-type-2021-22-and-2022).

1. [Australian Energy Regulator | AER](https://www.aer.gov.au/).
2. [2023 Electricity Statement of Opportunities (aemo.com.au)](https://aemo.com.au/-/media/files/electricity/nem/planning_and_forecasting/nem_esoo/2023/2023-electricity-statement-of-opportunities.pdf).
3. [AEMO | Engineering Roadmap FY2024 Priority actions report](https://aemo.com.au/newsroom/news-updates/engineering-roadmap-fy2024-priority-actions-report).
4. [AEMO Learning Academy](https://www.aemolearningacademy.aemo.com.au/#/public-dashboard).
5. [2023 Gas Statement of Opportunities v1.2 (aemo.com.au)](https://aemo.com.au/-/media/files/gas/national_planning_and_forecasting/gsoo/2023/2023-gas-statement-of-opportunities.pdf?la=en).
6. [Australian Renewable Energy Agency (ARENA) - Home](https://arena.gov.au/).
7. [About the Clean Energy Regulator About CER](https://www.cleanenergyregulator.gov.au/About/Pages/default.aspx).
8. CEFC makes first RTN investment as NSW steps up clean energy transformation.

[Home - Clean Energy Finance Corporation (cefc.com.au)](https://www.cefc.com.au/).

1. CEFC Advancing Hydrogen Fund.

[Hydrogen - Clean Energy Finance Corporation.](https://www.cefc.com.au/where-we-invest/special-investment-programs/advancing-hydrogen-fund/)

1. [Clean Energy Innovation Fund - (cefc.com.au)](https://www.cefc.com.au/annual-report-2021/performance/clean-energy-innovation-fund/). Advancing Australia’s cleantech ecosystem.
2. [Climate Change Authority](https://www.climatechangeauthority.gov.au/).

**Chapter 5. The Role of Coal in the Domestic Energy Market**

1. [Boom and Bust Coal 2023: Tracking the Global Coal Plant Pipeline - Global Energy Monitor](https://globalenergymonitor.org/report/boom-and-bust-coal-2023/).
2. [World Bank's private sector arm to stop supporting new coal (climatechangenews.com)](https://www.climatechangenews.com/2023/04/06/world-banks-private-sector-arm-to-stop-supporting-new-coal/).
3. IEA Coal Market Update – July 2022.

[Demand – Coal Market Update – July 2022 – Analysis - IEA](https://www.iea.org/reports/coal-market-update-july-2022/demand).

1. [Global Coal Plant Tracker - Global Energy Monitor](https://globalenergymonitor.org/projects/global-coal-plant-tracker/).
2. [Resources and energy quarterly: June 2023 | Department of Industry, Science and Resources](https://www.industry.gov.au/publications/resources-and-energy-quarterly-june-2023).
3. Factors affecting the construction cost of coal-fired power plants.

[Coal-fired power plant construction costs (esfccompany.com)](https://esfccompany.com/en/articles/thermal-energy/coal-fired-power-plant-construction-costs/).

**Chapter 6.**  **The Role of Gas in the Domestic Energy Market**

1. Electricity from Natural Gas.

<http://www.epa.gov/cleanenergy/energy-and-you/affect/natural-gas.html>.

1. [Unconventional (oil & gas) reservoir - Wikipedia](https://en.wikipedia.org/wiki/Unconventional_(oil_%26_gas)_reservoir).
2. [Unconventional Gas — Sources — Student Energy](https://studentenergy.org/source/unconventional-gas/).
3. [Fracking - Wikipedia](https://en.wikipedia.org/wiki/Fracking).
4. [Methane emissions - Wikipedia](https://en.wikipedia.org/wiki/Methane_emissions).
5. [Global Methane Tracker 2023 – Analysis - IEA](https://www.iea.org/reports/global-methane-tracker-2023) .
6. [World Energy Outlook 2022 – Analysis - IEA](https://www.iea.org/reports/world-energy-outlook-2022).
7. [Jobs and Skills Atlas Dashboard | Jobs and Skills Australia](https://www.jobsandskills.gov.au/jobs-and-skills-atlas-dashboard?nav=state&region=aus&tab=state-industries).
8. [Gas Facts | Gas Energy Australia - representing the downstream gas fuels industry](https://www.gasenergyaus.au/gas-facts.html).
9. [New study reveals massive size of workforce powering Australia’s gas industry.](https://petroleumaustralia.com.au/news_article/new-study-reveals-massive-size-of-workforce-powering-australias-gas-industry/)

**Chapter 7. Hydro and Pumped Hydro Generation**

1. [The Bluefield Pumped Hydro Energy Storage Atlas (royalsoc.org.au)](https://royalsoc.org.au/images/pdf/journal/155-2-Blakers.pdf).
2. [Annual-planning-report-summary-2022.pdf (tasnetworks.com.au)](https://www.tasnetworks.com.au/config/getattachment/7a7b22d3-39f7-4d98-b159-be037747b0ec/annual-planning-report-summary-2022.pdf).
3. [Bioenergy Vision FINAL (stategrowth.tas.gov.au)](https://www.stategrowth.tas.gov.au/__data/assets/pdf_file/0005/423806/Bioenergy_Vision.pdf).

**Chapter 8. The Electric Vehicle Market**

1. [How many cars in the world?](https://www.whichcar.com.au/news/how-many-cars-are-there-in-the-world)
2. Global Passenger Vehicles Sales 2022.

Sales Statistics | www.oica.net.

1. [Range and charging | Transport for NSW](https://www.transport.nsw.gov.au/projects/electric-vehicles/charging-an-electric-vehicle/range-and-charging).
2. [Battery share of large EV costs 2030 | Statista](https://www.statista.com/statistics/797638/battery-share-of-large-electric-vehicle-cost/).
3. [Zero-Emission Vehicle Adoption is Accelerating, But Stronger Push is Needed to Stay on Track for Net Zero |(bnef.com)](https://about.bnef.com/blog/zero-emission-vehicle-adoption-is-accelerating-but-stronger-push-is-needed-to-stay-on-track-for-net-zero/).
4. [Global EV Outlook 2023 – Analysis - IEA](https://www.iea.org/reports/global-ev-outlook-2023).
5. [World Energy Outlook 2022 – Analysis - IEA](https://www.iea.org/reports/world-energy-outlook-2022).
6. [State-of-EVs\_July-2023 (electricvehiclecouncil.com.au)](https://electricvehiclecouncil.com.au/wp-content/uploads/2023/07/State-of-EVs_July-2023_.pdf).
7. [Master Plan Part 3 | Tesla](https://www.tesla.com/blog/master-plan-part-3).
8. [The pure PV-EV energy system - A conceptual study of a nationwide energy system based solely on photovoltaics and electric vehicles.](https://pdf.sciencedirectassets.com/778369/1-s2.0-S2666955221X00020/1-s2.0-S2666955221000010/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEHAaCXVzLWVhc3QtMSJHMEUCIBBA4Bwvv6S0yitrindedvPqaIHv5BfxsemUZuC50uywAiEAhJZVjvIcJNhDxYRghwui1ocFBIbOvUYoWq3xFeE2Y9cqvAUIif%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FARAFGgwwNTkwMDM1NDY4NjUiDBLqD7XLGnUHWWP1yiqQBQNHozOBxj%2BSth1i%2BIpc5QE5Ehkgp1sx6WUlNECXvwl7YmiuKc7ett3RyX%2FIlUInq5Sbx%2BjSw%2F25rM8%2BfHghnsXM2gXfHmo68gITGAMpRqwcYpBHV0jmZIhyPKM3ZrOy8zwz8u6gZ86c2kipmF1b8Qw%2BLwThJOiyI%2Fpt5Tai4cmyO%2F%2FgqY6wBd7s6VAjiqQQF76qVL%2BKO78lAXXSuBm%2FYB3vRBIUATi1yGPnMZrlpzY2ziN7TCoPLQk7hJnBq21CFpcuVhsziv%2FOeTpJjVg7cMMcEjuF4620T%2BSbocgE1jkqjgyVhd7bFjBxyrKWaP3hP6NZB58kr%2B1plbxpJ6hILGnRBgP9JfM2opqg8hxBcMygMrftCzzn0miFn6XdzdtjiOsBvjLAfhrCUt%2FQhlPtc8uA1lLD45cMnDvMDwOYF0u1du9GTLsBqyKIeNo%2FXB88oj1u7L0ARdxST21TUkumeaJ8kN0ipxRB7z9y37Xsly%2B1GrDZRZT6SpI9MsGWUYoYkvVIf8MRNm2V8gn8Fua7mbMnC9ogZEafAAeL2iJOm%2FRqdkkuJSDdrgZnOiEl7uPySj5r%2FP1YVOsWn2S6o41OBYL58q8exNhbrjEonRrrgxSW3Ga9rTQB9OcWGsBUXsZt%2Ft3fRzejbX5FlP3kMqs7U4u4D89h5KtHNPkA6NiHfX%2FbsjBjbdkgRXry1ffShZF%2Fp8UW5JbH%2F81%2Bagb9ynd49vElXYJ%2Bb4ztMp4lIeYiBX9T5LX%2BMyg9CGkgOfwVD8bMa4mrVbt8r%2FvoJY1XrTisSMqPRS3EQ%2FK7cjH6BavHqg5WS3ujmqPtisXSSW39uB1Mpi9U4uSRk%2FJtEV3ufFESUzMFqrbuHMZnww4DIvGgdIJ7MIT5uKkGOrEBj%2BkctR%2Bpjh1b8Ys4aPNTU2tQGQh%2BahJQ%2BS0JN%2BM8s7SKEos4xZ%2FZzGxGAtVrWNVs5TQXfNBHohPFYHgJTL3JxRpYmz7hEtuuakIa0josrip0900KPIQRfnYnrkVKmRCmTf4MEfTUDy76Q34O2cAfqWc6bB2hFwe3xX2CfvEmwrDvpdt%2FwcUb%2F7qi7Bw8rrtJgp%2Bi7l1PB7pz0dx8JCpEn%2BszTZdBfaHoqm9D6fVMa8R%2B&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Date=20231017T083148Z&X-Amz-SignedHeaders=host&X-Amz-Expires=300&X-Amz-Credential=ASIAQ3PHCVTYVCRJVI5V%2F20231017%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Signature=79e68f8e3ec9ee2a47f6d5c5efa8289f16b2d2cca629770ac19491719f986780&hash=f553f47a38368dd626ae0bf56b75cd26d49efbd928024a870f2ee2c1c6b2e6b6&host=68042c943591013ac2b2430a89b270f6af2c76d8dfd086a07176afe7c76c2c61&pii=S2666955221000010&tid=spdf-e83a9edf-3182-4b5c-87bb-3553644c1068&sid=1b4da78f15d36547b8195dc14c5e0b688aa3gxrqa&type=client&tsoh=d3d3L)
9. [Electric vehicle batteries alone could satisfy short-term grid storage demand by as early as 2030](https://www.nature.com/articles/s41467-022-35393-0).
10. [Tesla Car Fire Statistics: How Many Teslas Have Caught Fire (carsdover.com)](https://www.carsdover.com/tesla-car-fire-statistics/).
11. [Tesla says global energy demand will be cut in half by switch to EVs and renewables.](https://thedriven.io/2023/04/26/tesla-says-global-energy-demand-will-be-cut-in-half-by-switch-to-evs-and-renewables/)

**Chapter 9. Battery Technology and Recycling**

1. [Charging Method | Charge Control ICs | Electronics Basics](https://www.rohm.com/electronics-basics/battery-charge/charging-method) .
2. [Tesla Production And Deliveries Graphed Through Q2 2023: New Records.](https://insideevs.com/news/674765/tesla-production-deliveries-2023q2/)
3. [China: Zeekr Will Be The First Brand To Use CATL's New Qilin Batteries.](https://insideevs.com/news/606877/zeekr-first-brand-catl-qilin-batteries/#:~:text=The%20Qilin%20battery%20%28English%20%22Kirin%22%29%2C%20announced%20in%20March,named%20after%20a%20legendary%20creature%20in%20Chinese%20mythology.)
4. [Details of All-New bZ4X BEV Announced | Toyota | Global Newsroom | Toyota Motor Corporation Official Global Website](https://global.toyota/en/newsroom/toyota/36254760.html).
5. [$16.9 Billion Opportunity Awaits - Future Battery (fbicrc.com.au)](https://fbicrc.com.au/16-9-billion-opportunity-awaits/).

**Chapter 10. Energy Storage, Transmission and Distribution**

1. [Renewable Energy Storage Roadmap - CSIRO](https://www.csiro.au/en/work-with-us/services/consultancy-strategic-advice-services/CSIRO-futures/Energy-and-Resources/Renewable-Energy-Storage-Roadmap).
2. [Global energy storage market to reach 500GW by 2031 | Wood Mackenzie](https://www.woodmac.com/press-releases/global-energy-storage-market-to-reach-500gw-by-2031/).
3. [Energy storage - IEA](https://www.iea.org/energy-system/electricity/grid-scale-storage).
4. [Enabling renewable energy with battery energy storage systems | McKinsey](https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/enabling-renewable-energy-with-battery-energy-storage-systems).
5. [Global BESS deployments to exceed 400GWh annually by 2030 (energy-storage.news)](https://www.energy-storage.news/global-bess-deployments-to-exceed-400gw-annually-by-2030-says-rystad-energy/).
6. [Thermal energy storage capacity worldwide 2019-2030 | Statista](https://www.statista.com/statistics/1307219/thermal-energy-storage-capacity-global/).
7. [Innovation outlook: Thermal energy storage (irena.org)](https://www.irena.org/publications/2020/Nov/Innovation-outlook-Thermal-energy-storage#:~:text=Molten-salt%20storage%20%E2%80%93%20a%20form%20of%20TES%20commonly,installed%20capacity%20currently%20to%20631%20GWh%20by%202030.).
8. [State of the energy market 2022 (aer.gov.au)](https://www.aer.gov.au/system/files/State%20of%20the%20energy%20market%202022%20-%20Full%20report.pdf).
9. [AEMO releases 30-year electricity market roadmap](https://aemo.com.au/newsroom/media-release/aemo-releases-30-year-electricity-market-roadmap) [2023-transmission-expansion-options-report.pdf (aemo.com.au)](https://aemo.com.au/-/media/files/major-publications/isp/2023/2023-transmission-expansion-options-report.pdf?la=en).
10. [2023-transmission-expansion-options-report.pdf (aemo.com.au)](https://aemo.com.au/-/media/files/major-publications/isp/2023/2023-transmission-expansion-options-report.pdf?la=en).
11. [Renewable-energy-zones.pdf (aemo.com.au)](https://wa.aemo.com.au/-/media/files/major-publications/isp/2022/appendix-3-renewable-energy-zones.pdf?la=en).
12. [Rewiring the Nation - DCCEEW](https://www.dcceew.gov.au/energy/renewable/rewiring-the-nation).
13. [AEMO | VNI West (Victoria to New South Wales Interconnector West)](https://aemo.com.au/initiatives/major-programs/vni-west).
14. No Longer Lost in Transmission Report. [vepc.org.au](https://www.vepc.org.au/_files/ugd/92a2aa_76c7e6d656a6439b8ad5488f0a37c941.pdf)
15. [Response to AEMO comments.docx (vepc.org.au)](https://www.vepc.org.au/_files/ugd/92a2aa_e9a4bfe6fd1f44ffb16b1d3eb9da3e5c.pdf)
16. [Australia: hot water heat pump installs 2021 | Statista](https://www.statista.com/statistics/1229786/australia-hot-water-heat-pump-installs/)

**Chapter 11. Solar Now, By 2030 and Beyond**

1. [Australian rooftop solar breaks new ground in 2022: Clean Energy Australia Report.](https://www.cleanenergycouncil.org.au/news/australian-rooftop-solar-breaks-new-ground-in-2022-clean-energy-australia-report)
2. [2023 Australian Battery Report: Energy storage installations up 55%, smashing record - Electrical connection](https://electricalconnection.com.au/2023-australian-battery-report-energy-storage-installations-up-55-smashing-record/).
3. [Rebate values and release dates | Solar Victoria](https://www.solar.vic.gov.au/key-dates-solar-homes).
4. [Notice to Market 2023-24 | Solar Victoria](https://www.solar.vic.gov.au/notice-to-market-2023-24).
5. [Australian-energy-council-solar-report-q4-2022.pdf (energycouncil.com.au)](https://www.energycouncil.com.au/media/dflfronn/australian-energy-council-solar-report-q4-2022.pdf).
6. [Integrating energy storage systems into the NEM | AEMC](https://www.aemc.gov.au/rule-changes/integrating-energy-storage-systems-nem)
7. [World's biggest renewables player to create major "greentailer" in Australia.](https://reneweconomy.com.au/worlds-biggest-renewables-player-to-create-major-greentailer-in-australia/)
8. [Vpp-demonstrations-knowledge-sharing-report-4 (aemo.com.au)](https://aemo.com.au/-/media/files/initiatives/der/2021/vpp-demonstrations-knowledge-sharing-report-4).
9. [AEMO | Project Symphony](https://aemo.com.au/initiatives/major-programs/wa-der-program/project-symphony).
10. [AEMO | Project EDGE](https://aemo.com.au/initiatives/major-programs/nem-distributed-energy-resources-der-program/der-demonstrations/project-edge).
11. [What is the state of virtual power plants in Australia | IEEFA](https://ieefa.org/resources/what-state-virtual-power-plants-australia).
12. [BIPV Digitalization: Design Workflows and Methods – A Global Survey - IEA-PVPS](https://iea-pvps.org/key-topics/bipv-digitalization/).
13. [Solar Heat Report 2023 (solarpowereurope.org)](https://api.solarpowereurope.org/uploads/0523_SPE_Solar_Heating_report_09_mr_98b11ef7ab.pdf?updated_at=2023-03-09T06:13:41.408Z).
14. [Clean Energy Report | Clean Energy Council](https://www.cleanenergycouncil.org.au/resources/resources-hub/clean-energy-australia-report).
15. [The Incredible ULCS - Ultra Low Cost Solar White Paper - Australian Renewable Energy Agency.](https://arena.gov.au/knowledge-bank/the-incredible-ulcs/)
16. Lazard’s Levelized Cost of Energy Analysis.[(lazard.com)](https://www.lazard.com/media/5amjxc3g/lazards-lcoeplus-april-2023.pdf).
17. [2023 Annual SunWiz Australian PV Report – Sunwiz.](https://www.sunwiz.com.au/2023-annual-sunwiz-australian-pv-report/)

**Chapter 12. Wind Now, By 2030 and Beyond**

1. [Increasing Wind Turbine Tower Heights: Opportunities and Challenges (energy.gov)](https://www.energy.gov/sites/default/files/2019/05/f63/73629.pdf).
2. [Wind Power Market Size, Share and Trends Analysis by Technology, Installed Capacity, Generation, Drivers, Constraints, Key Players and Forecast, 2022-2030 (globaldata.com)](https://www.globaldata.com/store/report/wind-power-market-analysis/).
3. [Global Wind Report 2023 - Global Wind Energy Council (gwec.net)](https://gwec.net/globalwindreport2023/).
4. [Land-Based Wind Market Report: 2022 Edition | Department of Energy](https://www.energy.gov/eere/wind/articles/land-based-wind-market-report-2022-edition).
5. [Life cycle assessment of two different 2 MW class wind turbines - ScienceDirect](https://www.sciencedirect.com/science/article/abs/pii/S0960148111002254).
6. [Wind farms dry surface soil in temporal and spatial variation - ScienceDirect](https://www.sciencedirect.com/science/article/pii/S2215016123000055).
7. [Climate Effects From Wind Turbines | https://climatemodeling.science.energy.gov/](https://climatemodeling.science.energy.gov/research-highlights/climate-effects-wind-turbines#:~:text=No%20energy%20source%20has%20zero%20impact%20on%20the,air%20that%20eventually%20spreads%20and%20recovers%20its%20momentum.).

**Chapter 13. The Hydrogen Economy**

1. [Executive summary – World Energy Outlook 2022 – Analysis - IEA](https://www.iea.org/reports/world-energy-outlook-2022/executive-summary).
2. [Global Hydrogen Review 2022 – Analysis - IEA](https://www.iea.org/reports/global-hydrogen-review-2022).
3. [State of Hydrogen 2022 - DCCEEW](https://www.dcceew.gov.au/energy/publications/state-of-hydrogen-2022).
4. [Australian Hydrogen Council | AHC publications (h2council.com.au)](https://bak.h2council.com.au/policy-regulation/ahc-papers-and-submissions).
5. [Guarantee of Origin (cleanenergyregulator.gov.au)](https://www.cleanenergyregulator.gov.au/Infohub/Markets/guarantee-of-origin).
6. [Customer-perceptions-report.pdf (keele.ac.uk)](https://www.keele.ac.uk/sustainable-futures/ourchallengethemes/providingcleanenergyreducingcarbonemissions/hydeploy/customer-perceptions-report.pdf).
7. [Operational decarbonisation - pathways to net zero | BHP](https://www.bhp.com/news/case-studies/2021/09/operational-decarbonisation).
8. [Breaking Ammonia: A New Catalyst to Generate Hydrogen from Ammonia at Low Temperatures | Tokyo Tech News | Tokyo Institute of Technology (titech.ac.jp)](https://www.titech.ac.jp/english/news/2021/061765#:~:text=Now%20scientists%20from%20Tokyo%20Institute%20of%20Technology%20%28Tokyo,100%C2%B0C%20lower%20than%20what%20conventional%20Ni%20catalysts%20require.).
9. [Discovery: Producing Hydrogen and Purifying Water Simultaneously | Mirage News](https://www.miragenews.com/discovery-producing-hydrogen-and-purifying-992155/#:~:text=University%20of%20Alberta%20researchers%20have%20developed%20a%20new,with%20distilled%20water%20that%20is%20safe%20to%20drink.).
10. [Hydrogen Insights: Global project funnel gains momentum across value chain and geographies](https://hydrogencouncil.com/en/hydrogen-insights-global-project-funnel-gains-momentum-across-value-chain-and-geographies/#:~:text=Hydrogen%20Insights%202023%2C%20the%20latest%20update%20on%20the,decision%20%28FID%29%2C%20up%20by%2030%25%20since%20May%202022.).
11. [Hydrogen Headstart program - DCCEEW](https://www.dcceew.gov.au/energy/hydrogen/hydrogen-headstart-program).
12. [Green hydrogen: Energizing the path to net zero (deloitte.com)](https://www.deloitte.com/global/en/issues/climate/green-hydrogen.html).
13. [Discovery of a large accumulation of natural hydrogen in Bourakebougou (Mali)](https://www.sciencedirect.com/science/article/abs/pii/S0360319918327861?via%3Dihub).
14. [Hydrogen embrittlement: what is it and how to prevent it? (demaco-cryogenics.com)](https://demaco-cryogenics.com/blog/hydrogen-embrittlement/).
15. [Tech Breakthrough Makes $2.5 Trillion Hydrogen Boom Possible - GH Power](https://ghpower.com/updates/tech-breakthrough-makes-2-5-trillion-hydrogen-boom-possible/)
16. [Hydrogen report\_V4\_Final Report\_24 October 2022 (energycentral.com)](https://energycentral.com/system/files/ece/nodes/600655/developing-australias-hydrogen-workforce.pdf).
17. [Transport (climatechangeauthority.gov.au)](https://www.climatechangeauthority.gov.au/sites/default/files/2021-03/2021Fact%20sheet%20-%20Transport.pdf).
18. [A-zero-emission-blueprint-for-shipping.pdf (ics-shipping.org)](https://www.ics-shipping.org/wp-content/uploads/2021/11/A-zero-emission-blueprint-for-shipping.pdf).
19. [Maersk orders six methanol powered vessels.](https://www.maersk.com/news/articles/2023/06/26/maersk-orders-six-methanol-powered-vessels)
20. [Fact-sheet-Hydrogen-H2-based-ironmaking.pdf (worldsteel.org)](https://worldsteel.org/wp-content/uploads/Fact-sheet-Hydrogen-H2-based-ironmaking.pdf).
21. [Hybrit (hybritdevelopment.se)](https://www.hybritdevelopment.se/en/)
22. [Global green steel opportunity for Western Australia (www.wa.gov.au)](https://www.wa.gov.au/government/media-statements/Cook%20Labor%20Government/Global-green-steel-opportunity-for-Western-Australia-20230618#:~:text=Led%20by%20the%20Minerals%20Research%20Institute%20of%20Western,capital%20requirements%20and%20infrastructure%20needed%20for%20these%20pathways.).
23. [Start with steel: A practical plan to support carbon workers and cut emissions - Grattan Institute](https://grattan.edu.au/report/start-with-steel/).
24. [Ammonia Technology Roadmap – Analysis - IEA](https://www.iea.org/reports/ammonia-technology-roadmap).

**Chapter 14. Biomass and Biofuels**

1. [CountryReport2021\_Australia\_final.pdf (ieabioenergy.com)](https://www.ieabioenergy.com/wp-content/uploads/2021/11/CountryReport2021_Australia_final.pdf).
2. [Australia's Bioenergy Roadmap Report (ARENA)](https://arena.gov.au/knowledge-bank/australias-bioenergy-roadmap-report/).
3. [ITF Transport Outlook Project | ITF (itf-oecd.org)](https://www.itf-oecd.org/itf-transport-outlook-project).
4. [2019 International Workshop on Green Freight Initiatives - International Council on Clean Transportation (theicct.org)](https://theicct.org/event/2019-international-workshop-on-green-freight-initiatives/).

**Chapter 15. Where are all the Critical Minerals Going to Come From?**

1. The US Inflation Reduction Act Explained.

<https://www.usatoday.com/story/news/2022/09/23/inflation-reduction-act-2022-explained/8082806001/>.

1. [Inflation Reduction Act - Wikipedia](https://en.wikipedia.org/wiki/Inflation_Reduction_Act#cite_note-8).
2. [Critical Energy Minerals Roadmap - CSIRO](https://www.csiro.au/en/work-with-us/services/consultancy-strategic-advice-services/CSIRO-futures/Energy-and-Resources/Critical-energy-minerals-roadmap).
3. [CGR 2023 (circularity-gap.world)](https://www.circularity-gap.world/2023).
4. [Total copper demand by sector and scenario, 2020-2040 – Charts – Data & Statistics - IEA](https://www.iea.org/data-and-statistics/charts/total-copper-demand-by-sector-and-scenario-2020-2040).
5. [Massive copper supply required for electrification of global economy: Friedland.](https://www.spglobal.com/commodityinsights/en/market-insights/latest-news/energy-transition/051122-massive-copper-supply-required-for-electrification-of-global-economy-friedland)
6. [HPMSM | Canadian Manganese](https://canadianmanganese.com/hpmsm/).
7. [World's biggest lithium producers | Reuters](https://www.reuters.com/markets/commodities/worlds-biggest-lithium-producers-2023-04-21/).
8. [Global Lithium-ion Battery Markets Report 2022-2030: (globenewswire.com)](https://www.globenewswire.com/en/news-release/2022/06/06/2456617/28124/en/Global-Lithium-ion-Battery-Markets-Report-2022-2030-Increasing-Government-Funding-In-Grid-Installations-Growing-Consumption-Of-Rechargeable-Batteries-In-Consumer-Electronics-Drivin.html#:~:text=The%20global%20lithium-ion%20battery%20market%20size%20is%20expected,a%20CAGR%20of%2018.1%25%20from%202022%20to%202030).
9. [Lithium-ion battery demand forecast for 2030 | McKinsey](https://www.mckinsey.com/industries/automotive-and-assembly/our-insights/battery-2030-resilient-sustainable-and-circular).
10. [Global Supply Chains of EV Batteries – Analysis - IEA](https://www.iea.org/reports/global-supply-chains-of-ev-batteries).

**Chapter 16. Nuclear Power Generation Today**

1. [Coalition Senators' Dissenting Report – Parliament of Australia (aph.gov.au)](https://www.aph.gov.au/Parliamentary_Business/Committees/Senate/Environment_and_Communications/Nuclearprohibitions/Report/Coalition_Senators_Dissenting_Report).
2. [Joint Leaders' Statement to mark the second anniversary of AUKUS (pm.gov.au)](https://www.pm.gov.au/media/joint-leaders-statement-mark-second-anniversary-aukus).
3. [Submissions – Parliament of Australia (aph.gov.au)](https://www.aph.gov.au/Parliamentary_Business/Committees/Senate/Environment_and_Communications/Nuclearprohibitions/Submissions).
4. [RDS-1/42 (iaea.org)](https://www-pub.iaea.org/MTCD/Publications/PDF/RDS-1-42_web.pdf).
5. [Nuclear explained - data and statistics - U.S. Energy Information Administration (EIA)](https://www.eia.gov/energyexplained/nuclear/data-and-statistics.php).
6. [Pathways to Commercial Liftoff - Pathways to Commercial Liftoff (energy.gov)](https://liftoff.energy.gov/).
7. [Advanced Nuclear - Pathways to Commercial Liftoff (energy.gov)](https://liftoff.energy.gov/advanced-nuclear/)
8. [Vogtle Electric Generating Plant - Wikipedia](https://en.wikipedia.org/wiki/Vogtle_Electric_Generating_Plant).
9. [China Climate Goals Hinge on $440 Billion Nuclear Power Plan to Rival U.S. - Bloomberg](https://www.bloomberg.com/news/features/2021-11-02/china-climate-goals-hinge-on-440-billion-nuclear-power-plan-to-rival-u-s).
10. [China could build 30 'Belt and Road' nuclear reactors by 2030: official | Reuters](https://www.reuters.com/article/us-china-nuclearpower-idUSKCN1TL0HZ).
11. [Nuclear Power in Japan | Japanese Nuclear Energy - (world-nuclear.org)](https://world-nuclear.org/information-library/country-profiles/countries-g-n/japan-nuclear-power.aspx).
12. [News / National Institute for Fusion Science (nifs.ac.jp)](https://www.nifs.ac.jp/en/news/researches/211105e.html).
13. [Year in review-EROI or energy return on (energy) invested - NASA/ADS (harvard.edu)](https://ui.adsabs.harvard.edu/abs/2010NYASA1185..102M/abstract).
14. [Energy Return on Investment - World Nuclear Association (world-nuclear.org)](https://world-nuclear.org/information-library/energy-and-the-environment/energy-return-on-investment.aspx).
15. [Weissbach\_EROI\_preprint.pdf (festkoerper-kernphysik.de)](https://festkoerper-kernphysik.de/Weissbach_EROI_preprint.pdf).
16. [Q4 2021 Goehring & Rozencwajg Commentary - The Distortions of Cheap Energy (gorozen.com)](https://info.gorozen.com/2021-q4-market-commentary-the-distortions-of-cheap-energy#:~:text=Cheap%20energy%20encouraged%20the%20rollout%20of%20energy-hungry%20renewables.,terrible%20energy%20efficiency%20of%20many%20%E2%80%9Cgreen%20transition%E2%80%9D%20technologies.).
17. [China’s climate goals hinge on a US$440bn nuclear buildout - Taipei Times](https://www.taipeitimes.com/News/editorials/archives/2021/11/06/2003767397#:~:text=Beijing%20keeps%20the%20exact%20costs%20a%20state%20secret%2C,of%20recent%20projects%20in%20the%20US%20and%20France.).
18. [China Climate Goals Hinge on $440 Billion Nuclear Power Plan to Rival U.S. - Bloomberg](https://www.bloomberg.com/news/features/2021-11-02/china-climate-goals-hinge-on-440-billion-nuclear-power-plan-to-rival-u-s).

**Chapter 18. Nuclear Safety Considerations**

1. <https://en.wikipedia.org/wiki/Radioactive_waste>.
2. [Coal Ash Is More Radioactive Than Nuclear Waste - Scientific American](https://www.scientificamerican.com/article/coal-ash-is-more-radioactive-than-nuclear-waste/#:~:text=In%20fact%2C%20the%20fly%20ash%20emitted%20by%20a,power%20plant%20producing%20the%20same%20amount%20of%20energy.).
3. [Radioactive Waste Management | Nuclear Waste Disposal (world-nuclear.org)](https://www.world-nuclear.org/information-library/nuclear-fuel-cycle/nuclear-wastes/radioactive-waste-management.aspx).
4. [Outlook for gaseous fuels – World Energy Outlook 2022 – Analysis - IEA](https://www.iea.org/reports/world-energy-outlook-2022/outlook-for-gaseous-fuels)

**Chapter 19. Large Scale Nuclear Reactors**

1. [GenCost: annual electricity cost estimates for Australia - CSIRO](https://www.csiro.au/en/research/technology-space/energy/Energy-data-modelling/GenCost).
2. [Portal Site Public Home (gen-4.org)](https://www.gen-4.org/gif/).
3. [Projected Costs of Generating Electricity 2020 – Analysis - IEA](https://www.iea.org/reports/projected-costs-of-generating-electricity-2020).
4. [Barakah Nuclear Power Plant - Power Technology (power-technology.com)](https://www.power-technology.com/projects/barakah-nuclear-power-plant-abu-dhabi/).
5. [Role of the state in implementation of strategic investment projects: The SaHo Model for nuclear power (researchgate.net)](https://www.researchgate.net/publication/355212173_Role_of_the_state_in_implementation_of_strategic_investment_projects_The_SaHo_Model_for_nuclear_power).
6. Regulated Asset Base model for nuclear - GOV.UK (www.gov.uk).

**Chapter 20. Small Modular Reactors**

1. [Modeling Advanced Nuclear Energy Technologies: Gaps and Opportunities | NIA (nuclearinnovationalliance.org)](https://www.nuclearinnovationalliance.org/modeling-advanced-nuclear-energy-technologies-gaps-and-opportunities#:~:text=This%20report%20summarizes%20the%20efforts%20of%20NIA%2C%20and,the%20federal%20government%20to%20help%20close%20those%20gaps.)
2. [SMR Start Economic Analysis - Edits based on uprate- new products](https://smrstart.org/wp-content/uploads/2021/03/SMR-Start-Economic-Analysis-2021-APPROVED-2021-03-22.pdf).

**Chapter 21. Uranium Mining, Processing and Enrichment**

1. [Japan reverses nuclear energy phase-out policy amid global fuel shortages, climate change.](https://www.abc.net.au/news/2022-12-22/japan-nuclear-energy-phase-out-reversal/101803800)
2. [India to start building 10 'fleet mode' nuclear power plants from 2023.](https://www.newindianexpress.com/nation/2022/mar/27/india-to-start-building-10-fleet-mode-nuclear-power-plants-from-2023-2434787.html)
3. [US NNSA initiates process to purchase strategic uranium : Uranium & Fuel (world-nuclear-news.org)](https://www.world-nuclear-news.org/Articles/US-NNSA-initiates-process-to-purchase-strategic-ur#:~:text=The%20US%20National%20Nuclear%20Security%20Administration%20has%20begun,an%20estimated%20one%20million%20pounds%20of%20domestically-produced%20U3O8.).
4. [In Situ Leach Mining (ISL) of Uranium - World Nuclear Association (world-nuclear.org)](https://www.world-nuclear.org/information-library/nuclear-fuel-cycle/mining-of-uranium/in-situ-leach-mining-of-uranium.aspx).
5. [Top 10 Uranium-producing Countries (Updated 2023) (investingnews.com)](https://investingnews.com/daily/resource-investing/energy-investing/uranium-investing/uranium-producing-countries/).
6. [Russia's Stranglehold On The World's Nuclear Power Cycle (rferl.org)](https://www.rferl.org/a/russia-nuclear-power-industry-graphics/32014247.html).
7. [US conversion plant gears up for next 40 years : Uranium & Fuel (world-nuclear-news.org)](https://www.world-nuclear-news.org/Articles/US-conversion-plant-gears-up-for-next-40-years).
8. [US Nuclear Fuel Cycle | Nuclear Fuel Cycle in the United States (world-nuclear.org)](https://www.world-nuclear.org/information-library/country-profiles/countries-t-z/usa-nuclear-fuel-cycle.aspx).

**Chapter 22. Can We Keep the Lights On?**

1. [Final-2020-integrated-system-plan.pdf (aemo.com.au)](https://aemo.com.au/-/media/files/major-publications/isp/2020/final-2020-integrated-system-plan.pdf?la=en).
2. [Home - Climate Energy Finance](https://climateenergyfinance.org/).
3. [2022 ISP Preparatory Activities - QNI Connect (aemo.com.au)](https://aemo.com.au/-/media/files/major-publications/isp/2023/teor-reference-materials/powerlink--queensland--new-south-wales-qni-connect.pdf?la=en).
4. [AEMO releases 30-year electricity market roadmap](https://aemo.com.au/newsroom/media-release/aemo-releases-30-year-electricity-market-roadmap).
5. [Solar energy](https://www.energy.vic.gov.au/renewable-energy/solar-energy).
6. [Neighbourhood batteries (energy.vic.gov.au)](https://www.energy.vic.gov.au/renewable-energy/batteries-energy-storage-projects/neighbourhood-batteries).
7. [AEMO | AEMO releases 30-year electricity market roadmap](https://aemo.com.au/newsroom/media-release/aemo-releases-30-year-electricity-market-roadmap).
8. [Queensland-NSW Interconnector (QNI) | Transgrid](https://www.transgrid.com.au/projects-innovation/queensland-nsw-interconnector).
9. [Australia 2023: Energy Policy Review - Event - IEA](https://www.iea.org/events/australia-2023-energy-policy-review).

**Chapter 23. Finding a Better Way?**

1. [Georgia Power, state regulators agree to division of Vogtle nuclear plant costs.](https://georgiarecorder.com/2023/08/31/georgia-power-state-regulators-agree-to-division-of-vogtle-nuclear-plant-costs/#:~:text=Construction%20and%20financing%20costs%20for,other%20one%20in%20early%202024)
2. [AFR Energy Summit: Westinghouse Electric executive Rita Baranwal says energy minister Chris Bowen’s nuclear maths ‘doesn’t make sense’](https://www.afr.com/companies/energy/bowen-s-387b-nuclear-price-tag-doesn-t-make-sense-20231009-p5eaqn).
3. [Final modelling results | Net Zero Australia](https://www.netzeroaustralia.net.au/final-modelling-results/).
4. [Net Zero Mobilisation report: How to make net zero happen | Net Zero Australia](https://www.netzeroaustralia.net.au/mobilisation-report/).
5. [Rewiring Australia](https://www.rewiringaustralia.org/).
6. [Net Zero Tracker | Welcome](https://zerotracker.net/).

**Chapter 24. Final Thoughts and Actions**

1. [Australian Nuclear Association – An independent incorporated scientific institution (nuclearaustralia.org.au)](https://www.nuclearaustralia.org.au/).

[**.**](https://www.bing.com/search?q=A+1%2C000+MW+nuclear+power+plant+produces+about+27+tonnes+of+spent+nuclear+fuel+%28un-reprocessed%29+every+year1&qs=n&form=QBRE&sp=-1&lq=1&pq=a+1%2C000+mw+nuclear+power+plant+produces+about+27+tonnes+of+spent+nuclear+fuel+%28un-reprocessed%29+every+year1&sc=1-106&sk=&cvid=6E101D30E8E843868FF4DFC826656810&ghsh=0&ghacc=0&ghpl=)