

From: [Steve Rodgers](#)
To: [State Development](#)
Subject: RE: Inquiry into the Uranium Mining and Nuclear Facilities (Prohibitions) Repeal Bill 2019 — Witness confirmation
Date: Wednesday, 20 November 2019 11:49:53 AM
Attachments:

Thanks for the opportunity to provide evidence on Monday. I was asked to take a couple of points of clarification on notice related to energy statistics.

Total energy use – Fossil fuels (coal, oil and gas) accounted for 94 per cent of Australia’s primary energy mix in 2017–18” (Australian Government Department of the Environment and Energy, *Australian Energy Statistics*, September 2019, p.8).

Liquid fuel imports – “Australia’s oil supply is largely through imports. In 2017–18 we imported the equivalent of 90 per cent of the refined product we used. This number is made up of 60 per cent of refined product imported directly, including petrol, jet fuel and diesel. The remaining refined product was produced by the four remaining refineries in Australia” (Australian Government, *Liquid Fuel Security Review—Interim report*, April 2019, p.20).

Transport liquid fuel demand – “The transport sector makes up 75 per cent of our total liquid fuel demand. It includes road (passenger and freight), rail, shipping and air transport” (Australian Government, *Liquid Fuel Security Review—Interim report*, April 2019, p.3).

Buildings – “Residential and commercial together consumed 55% of all electricity supplied to final customers in Australia in 2014-15”. (Low Carbon Living CRC, *Best Practice Policy and Regulation for Low Carbon Outcomes in the Built Environment*, 2017, p.19).

I was also asked for a reference after the session by Hon Mark Latham on international experience with high renewable energy proportions.

Australian Energy Market Operator, *Maintaining Power System Security with High Penetrations of Wind and Solar Generation: International Insights for Australia*, October 2019.

It can be found at: https://www.aemo.com.au/-/media/Files/Electricity/NEM/Security_and_Reliability/Future-Energy-Systems/2019/AFMO-RIS-International-Review-Oct-19.pdf

Please let me know if you need further information.

Best regards

Steve Rodgers

Steve Rodgers

Senior Policy Advisor -- Energy, Public Affairs

Canberra

engineersaustralia.org.au

