

*Committee Secretary*

Submission to: *Senate Standing Committees on Environment and Communications,*

The Governments inherent contradiction between embracing nuclear-powered submarines in one hand, and opposing domestic nuclear power in the other is ludicrous. We must have an educated, adult conversation around Nuclear Power in this country if we are genuinely concerned about cutting Carbon Production and serious about Power Generation..

Its time to discuss Nuclear Power with the Australian People (domestic nuclear power would benefit everyone and greatly assist Carbon Reduction in line with Labor's 43 percent carbon reduction promise.

The Government referring to Nuclear Powered Submarines (only) is a "destabilising provocation within our region", one that has to be broadened to include domestic power generation within Australia also.

Nuclear Power Generation can be done in a relatively safe and (sovereign/strategic) manner, with the abundance of raw materials available in Australia for Small Modular Reactors (SMRs) that would make domestic power generation an effective answer compared to other forms of electrical power production (carbon generation).

The history of human progress has been driven by the development and mastery of energy sources of ever-higher density: from wood to coal to oil to now nuclear fission to possibly nuclear fusion. This ever-increasing energy density supports more people living at higher living standards, with a decreasing depletion of overall resources per capita.

The very high energy density of nuclear power lends itself to secondary industrial processes such as water desalination, and industrial heating. Construction uses far fewer materials and resources than constructing the equivalent capacity of every other form of power, especially low-energy density renewables, which require far more land, concrete, steel, and minerals used in the production of the batteries needed to make them workable.

Australians are ready for this conversation, Labor was elected over the Liberals because it supported Carbon Reduction as most Australians do, Nuclear Power generation is one way to effectively reduce our carbon footprint and increase power generation. Nuclear Power Generation is a viable energy source that needs to be discussed in this country!

Senate Standing Committees on Environment and Communications, would you please accept and discuss my submission regarding the implementation of Nuclear Power for domestic purposes within the Australian Commonwealth

Kind Regards

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