

Nuclear Fuel Cycle Royal Commission Response

The Energy Future 3

How is carbon reduction to be achieved when countries are bombing other countries incessantly and volcanoes are continuing to explode?

What is the obsession with reducing the carbon emissions when apparently generating nuclear waste is acceptable?

Nuclear energy is low carbon emission but generates a waste that is dangerous forever and requires huge infrastructure for storage forever. It is not a clean energy.

Exploration and extraction 11

Tailings and dams destroy land and rivers and aquifers

20 The Industry and demand is not increasing as nations seek a safer and cleaner way to generate energy. Innovation will present ways to generate electricity that are cleaner and hopefully eventually nuclear plants could be obsolete

Further Processing and manufacture

Value adding is not currently viable and the future demand may reduce

Electricity Generation 43

Nuclear power may be low carbon but has significant use of water both in mining and electricity generation and storage in cooling ponds. Again this obsession with carbon reduction appears to have priority over the waste product of nuclear electricity generation. Also water is and increasingly scarce resource and is used extensively in mining, production and cooling of the nuclear energy and waste.

47 Further obsession with coal but apparently not acknowledging the other disadvantages of nuclear

53 Off grid options are progressing and, with the pace of new innovations this could advance very quickly

55e Operating costs of nuclear plants may currently be reduced but most have not invested in the storage facilities for their waste. No country should build or be able to buy Uranium unless they have these facilities in place.

60c Battery technology is advancing & could be feasible anytime soon

Management & Storage and Disposal of Waste 63

63 Australia should have a storage facility for its own waste

66 The decision to have a Nuclear Waste disposal site should be a Commonwealth decision. No State should have the ability to import nuclear waste from other countries. The proposal to import and store Waste nuclear material has impact on the whole nation and they should be consulted.

83 Assisting countries lower their carbon emission by taking their nuclear waste and maintaining security and costs until the "end of time" to get the SA Government a few years of spending money.

89 Controlled and owned by Government forever does not guarantee safety and good management neither does commercial or contracted management.

93 a Only covers income and costs for 70 years. This facility will have to be maintained forever.