



Suite 582, Waterman Caribbean Park, 44 Lakeside Drive, Scoresby, Victoria 3179.

Email: kennethn@1victoria.com.au Phone: +61 (0) 421 484 115 Web: 1victoria.com.au ABN: 23 124 908 499

Submission to AEMO regarding the next CSIRO GenCost Report

1 Victoria is a proposed political party dedicated to achieving a responsible government for Victoria in 2026. Our Constitution requires us to devote all our efforts to the safety, happiness, health, wealth, and freedom of all Victorians. To do this we are obligated to finding the very best solutions to all issues, including the provision of abundant, clean, safe, efficient electricity.

We would like to thank the CSIRO and AEMO for this opportunity to contribute to this important process.

0 0 0 0 0 0 0

1 Victoria believes that the massively costly commitments, in pursuit of an entirely wind, solar and battery electricity supply solution, being promoted by the Federal Government and accepted by the States and Territories - if wrong - will have lasting impact on Australia's economic health, our competitiveness on the global stage and the living standards of all Australians - especially here in Victoria.

There is no example of this strategy being successful anywhere in the entire world.

Quite the contrary, Germany is a shining light on what governments should NOT be doing. They have spent a trillion dollars on wind and solar, and nothing on unaffordable storage. They have succumbed to the anti-nuclear push and closed all their nuclear power plants – which is contrary to most EU countries. Their energy prices have blown out and their emissions are much worse than when they started. Big industries are deserting the country and their economy is fracturing. There is even talk of plans to open new coal power stations.

1 Victoria believes that every single dollar we spend, on the wrong solution, is yet another dollar wasted, regardless of whether it is public money, directly effecting the level of Federal or State debt, or private investment money requiring increasingly outrageous government subsidies, and causing retail prices to explode to cover investor operational and financing costs as well as their return on their investment.

We respectfully call upon the CSIRO, in its role as the leading scientific advisor to Australian Federal and State Governments, and the AEMO, as the energy market operator, to show courage in assessing the various methods of Electricity Generation with a new focus to ensure their next **GenCost Report** covers the whole-of-life assessment of each technology.

This will set the Policy direction for the next 100 years.

- 1.** Prepare an analysis over a period of 100 years. This is the expected life of nuclear power stations, and pumped hydro facilities, which have by far the longest life cycle.
- 2.** Provide a full estimate of the likely replacement as well as complete dismantling and environmentally sensitive disposal costs of batteries, every 15 years, small and large-scale solar installations, every 20 to 25 years, land based and off-shore wind farms, every 25 years, and nuclear and hydro systems at their expected 100 year end-of-life.

1Victoria

Suite 582, Waterman Caribbean Park, 44 Lakeside Drive, Scoresby, Victoria 3179.

Email: kennethn@1victoria.com.au Phone: +61 (0) 421 484 115 Web: 1victoria.com.au ABN: 23 124 908 499

- 3.** Include clear assumptions regarding expected CPI, distribution and grid enhancements required by renewables, and other factors, including projected population and electricity demand growth, so comparisons are clear and unambiguous.
- 4.** Provide a recommendation for a system that does not partially or wholly rely on consumers and businesses reducing their energy usage. Doing so will provide the impetus required for moves to transition from domestic gas fired heating and hot water systems to fully electric, enhance incentives to move to fully electric cars, and drive continued, sustainable growth in Australia's economy and our standard of living, through the attraction of new high energy usage, small, medium and large businesses.
- 5.** With regards to Nuclear, use costing for proven largescale modular reactors rather than future SMR designs that may not work. For example, use reactors such as the Westinghouse AP1000 or similar.
- 6.** Include the environmental costs from birth to end-of-life for each technology as well as the potential Geopolitical ramifications of sourcing solutions from specific market-dominant regions. EG: Solar panels built with coal fired power, or battery systems using rare earth minerals in addition to high levels of "dirty" energy - all from China.
- 7.** Include the cost of supporting and backing up renewables, as proposed in the Renewable Energy Storage Roadmap.
- 8.** Place a cost on the extraordinary use of public and private land and sea ways required by renewables.
- 9.** Utilise the best examples of experience from all over the world, not just one failed attempt to build untried technology in the USA. If Japan and South Korea can implement a new nuclear power station in 5 years, why can't we. Include recommendations for cutting unnecessary red tape.
- 10.** Include the costs of management, the environmental effects, handling and eventual safe disposal of waste products from each type of power generation.

We hear a lot about the problems with nuclear waste in the press. The Australian Government is still looking for a "waste dump" for the waste from our Lucas Heights location, but we are severely behind the times!

The small amount of true nuclear waste, after repeated recycling through the reactors, is handled now, by modern thinking countries, by burying it underground in lead and steel tubes, further encased in concrete, on the same site as the Power Station.

Recently, on talk-back-radio Station 3AW, a noted Australian professor of physics, with nuclear industry experience, said the true waste from powering all of Australia for a whole year would fit into a small van, while the hard waste from coal would fill the MCG to the top, several times over.) The toxic waste from wind and solar could be worse.

- 11.** Please provide an overview assessment of the current **Government approach**, which is a total reliance on renewables wind, solar and battery to completely replace coal and gas fired energy generation, *verses* the **Opposition's strategy** of adding unproven SMR's as a supplement to renewables and all that that means, *verses* **1 Victoria's plan** of total nuclear generation, with removal of all current renewables installations at their end-of-life, thereby removing the need for continual replacement, undertaking new distribution wires and gantries, the obscenely expensive cost of battery and pumped hydro back-up, the impact of renewables on the Australian landscape and environment, and the ultra-costly grid upgrades to cope with expansion of roof top solar.
- 12.** As advisors to Government, we submit it is not the CSIRO's responsibility to consider the current legislative, bureaucratic, or any other incompetency's of our governments. If the issue is important enough it is the CSIRO's job to publish, and recommend, the complete and best solution in the hope all Governments will listen and take efficient action.
- 13.** Given the assumed acceptance, by the Government, the AEMO, and the CSIRO, that we face a climate emergency, it makes sense that the next GenCost Report should, at the very least, strongly recommend that the Federal and State Governments immediately abolish all legislative and unnecessary bureaucratic barriers to efficient assessment of, and potential implementation of nuclear power stations in Australia.

This should include immediately amending, as appropriate: -

The Australian Radiation and Nuclear Safety Act 1998, and

The Environment Protection and Biodiversity Conservation Act 1999.

1 Victoria believes including these measures in the next and subsequent GenCost Reports will best serve the interests of the Australian community, Australia's competitiveness on the world stage, our ability to take back a globally leading role in Climate mitigation and management, and the longer-term credibility of the CSIRO and AEMO.

Authorised by



Kenneth J Noonan.