

PRIME MINISTER

\$6.5 TRILLION FOR BATTERY STORAGE WILL BE UNAFFORDABLY EXPENSIVE

"The Tesla lithium-ion battery built for South Australia has a capacity of 100 MW and a storage capacity of about one hour. It costs \$90 million to build.

Assume we want Tesla batteries to provide the primary energy backup for the 7.2 TWh required for one and a half days.

To calculate the number of batteries required, remember that a battery will only run for one hour. This means we need to divide the 7.2 TWh by 100 MWh to get 72,000 batteries. This gives a total cost of \$6.5* trillion (\$US4.9 trillion). In terms of opportunity costs, this is about ten times that of the pumped hydro or about 1,000 nuclear reactors."

From the Industry Super Australia "Modernising electricity sectors" discussion paper by economist Stephen Anthony and Professor Alex Coram, University of Western Australia.

No other country in the world is planning an energy system based on the experimental CSIRO plan with high levels of intermittent solar, wind and storage. They clearly know that the resultant electricity would be unaffordable by most people and businesses.

Please reconsider.

Over 30 countries are using nuclear and there are over 60 reactors being built now. It's certainly the most reliable, proven and lowest cost way to provide emission free base load power.

* Note: Battery prices are coming down, but even at half the price of the Hornsdale battery, the power will still be unaffordable.



www.dicksmithfairgo.com.au

Written by Dick Smith and placed in the public interest.