

AEMC Examines Economic Assessment of Inertia Procurement Options Submission

Whilst The Australian Energy Market Commission (AEMC) has released a “Directions Paper **examining potential approaches for procuring inertia – a crucial service that helps maintain power system stability** as Australia transitions to more renewable energy”

And noting that AEMC Chair Anna Collyer said the paper examines whether there could be value in **complementary ways to secure inertia services** - stating: "Our analysis examines **potential benefits of procuring inertia in operational timeframes**, which could complement our existing framework.”

It is clearly apparent from this gobbledegook, the terminal ‘renewable’ framework based on the fudged ISP & the cruel, unnecessary occurrence of the torturous, ongoing BLACKOUT scenario at Broken Hill, that there’s a complete failure by TransGrid & the controlling Regulator to be capably prepared for highly predictable outages - from a common storm event!

Additionally, it’s glaringly obvious that the Regulator does not know the basic Electrical Engineering Facts about ‘Synchronous Inertia’ or how to ‘Set Rules, Regulate & Operate the Electricity Grid - according to all aspects of the Objective of the National Electricity Law.

It’s all one big experiment to see IF it could work!
We are unjustly being cruelly treated like tortured guinea pigs!

We have had enough of dodgy TransGrid Regulator’s Predatory Experiments detrimentally harming the people of Australia with deliberate energy deprivation, unaffordable prices & reckless ruination of our precious environment - whilst prioritising manipulative, fake green generator/network profiteers to plunder the country!

Basically, the Regulator’s ongoing trail of destruction is just a failure stemming from Physics really!

As so well explained by reputable, independent Electrical Engineer Paul Miskelly in his Assessment of the Broken Hill Blackout Scenario:

“ This “synchronous inertia”, supplied by a fully-dispatchable generator, is supplied routinely, effortlessly, continuously to the grid, and at no cost. It is supplied because power is supplied to the grid via a conventional mechanical rotor spinning at synchronous speed.⁴

If, for example, the generator has what is called a 2-pole rotor, then that rotor will rotate at a constant speed of 3000 rpm (50 cycles per second times 60 seconds).

That it exists and is supplied results directly from **the fact that the spinning mass has a mechanical inertia which, to an extent that depends on the actual mass of the rotor, makes the generator more or less impervious to various electrically transmitted shocks that routinely occur during normal operation of the grid.** In the case of a grid-scale generator, supplying several hundred MW, the rotating mass may be some several

hundred tonnes. Such a large inertia is relatively impervious to such as massive changes in the load, (demand), caused by such things as the switching on and off of large loads such as electric trains on a city's rail network, or emergencies such as trees falling on and shorting power lines to ground.

Further, **where there is a number of conventional generators supplying the grid, all of them are not only operating at synchronous speed, but they actually lock each other together in phase.** Effectively, **all the generators are turning at the speed set by that of the largest generator.** The result is that the effective mechanical inertia seen by the grid is the **sum of the rotational inertias** of all of those generators. This combined inertia, which can therefore be an extremely large number, is what is then available to be brought to bear on any disturbance to the grid. **This makes any grid that is principally supplied by conventional generators extremely resilient where it comes to dealing with disturbances, even very large disturbances. This is a "fail-safe" property, in the sense that it is always present.** Unlike such as "virtual inertia" it does not have to be manufactured in some way.

The "always on" presence of synchronous inertia is critically important to the continued operational security of any grid. Its importance cannot be overstated."

Despite the most reputable, independent Experts like Paul sounding warnings for more than a decade - still, Australian Electricity Consumers are being tortured by impractical, unworkable, ideological rubbish!

Energy Planning and Regulation in Australia is in complete disarray with the Public Interest not being served at all by Institutional Structures, Governance, Regulation, Functions, and Operation of the Australian Energy Market.

The practical implications of the so called 'Transition to Renewable Energy' are dire - in sync with China's Energy Dream & a sabotaging death wish for Australia!

***China's Dream - Patricia Adams**

<https://www.thegwpf.org/content/uploads/2021/12/Adams-Chinas-Energy-Dream.pdf>

Australian's need real power, readily available on demand NOW - our own superior, reliable, secure, affordable 24/7 Australian Coal & a Nuclear power future - as the RenewaBULL Transition to Extinction abysmally fails to meet all aspects of the Objective of the National Electricity Law - to promote efficient investment in, & efficient operation and use of, electricity services for the long term interests of consumers with respect to:-

(a) price, quality, safety, reliability and security of supply of electricity;

and

(b) the reliability, safety and security of the national electricity system;

and

(c) the achievement of targets set by a participating jurisdiction

(i) for reducing Australia's greenhouse gas emissions; or

(ii) that are likely to contribute to reducing Australia's greenhouse gas emissions.

Blind Freddie can clearly see the glaring contradictions to the Regulators persistent & delusional claims based on 'Garbage In Garbage Out' modelling & ideology where FAILURE IS A DESIGN FEATURE!

The public have been deceived!

The Government's 'Renewable' Energy Dream is in tatters!

Long term interests of electricity consumers regarding price, quality, safety, reliability and reliability, safety and security of the national electricity system are mere platitudes - all thrown under the bus by RenewaBULL reality & the AEMC knows it!

It's well past time that AEMC stops pedalling the Government's diabolical propaganda instead of independently basing their Rule Changes on Engineering Facts. An immediate Moratorium on Industrialised Solar/Wind Electricity Generating Works, BESS & the Transmission Line Interconnector Nightmare is essential with a Royal Commission the only solution!



'Utterly false': Energy expert unleashes on Matt Kean, [market regulator](https://www.skynews.com.au)
[skynews.com.au](https://www.skynews.com.au)

Yours Sincerely,
Lynette LaBlack

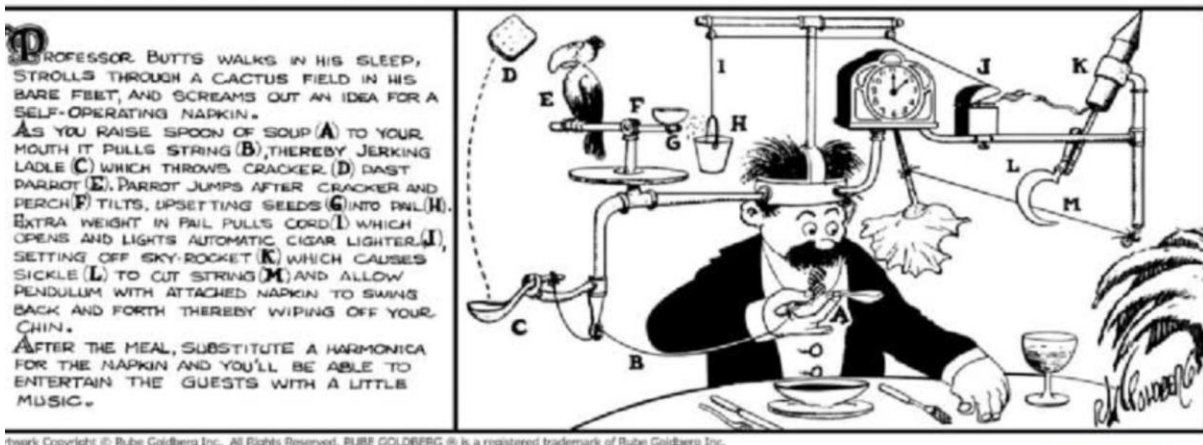
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Submission

It is of utmost importance that AEMC STOP failing the Australian public & wasting monumental amounts of our money on non-sensical, anti-Australian, weather dependent lunacy & get back to basic Engineering Facts - learning about how real SYNCHRONOUS INERTIA effortlessly operates & the far superior, reliable, affordable, efficient, secure, 24/7 Australian power sources that ensure our Electricity Service works on demand!

Rube Goldberg's Self-Operating Napkin is a great example of how ridiculous the complicit Regulator has become in fudging around to implement the diabolical RenewaBULL Swindle!

Self-Operating Napkin by Rube Goldberg



Yours Sincerely,

Lynette LaBlack