

**Submission To Senate Select Committee on – Friday 12 September 2025**

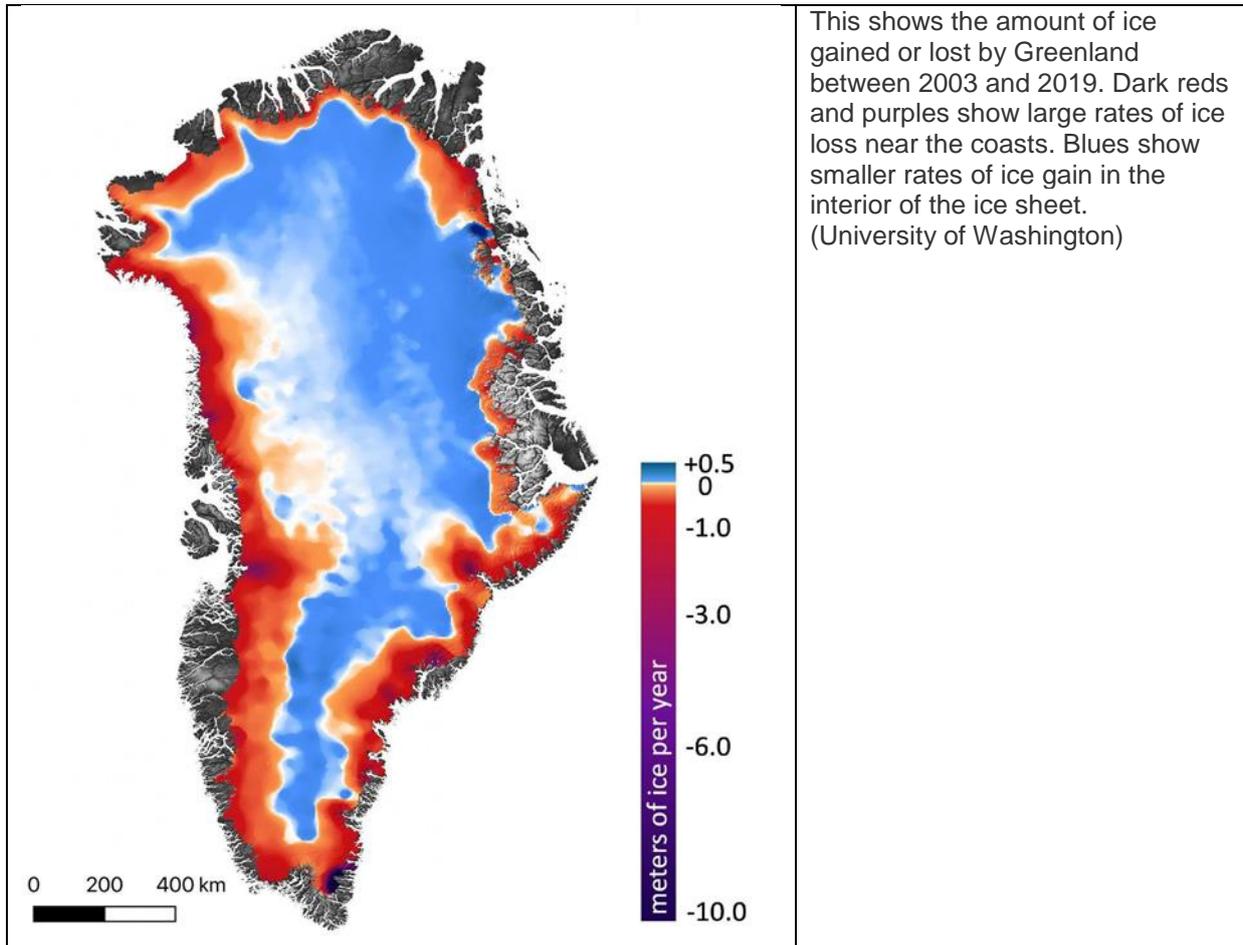
**Information Integrity on Climate Change and Energy**

This is a brief submission to the committee offering observations on information integrity on matters of science and engineering from the perspective a retired engineer instrumental in the early development of the national electricity market and responsible for engineering large scale mining developments in Australia.

**Climate Change**

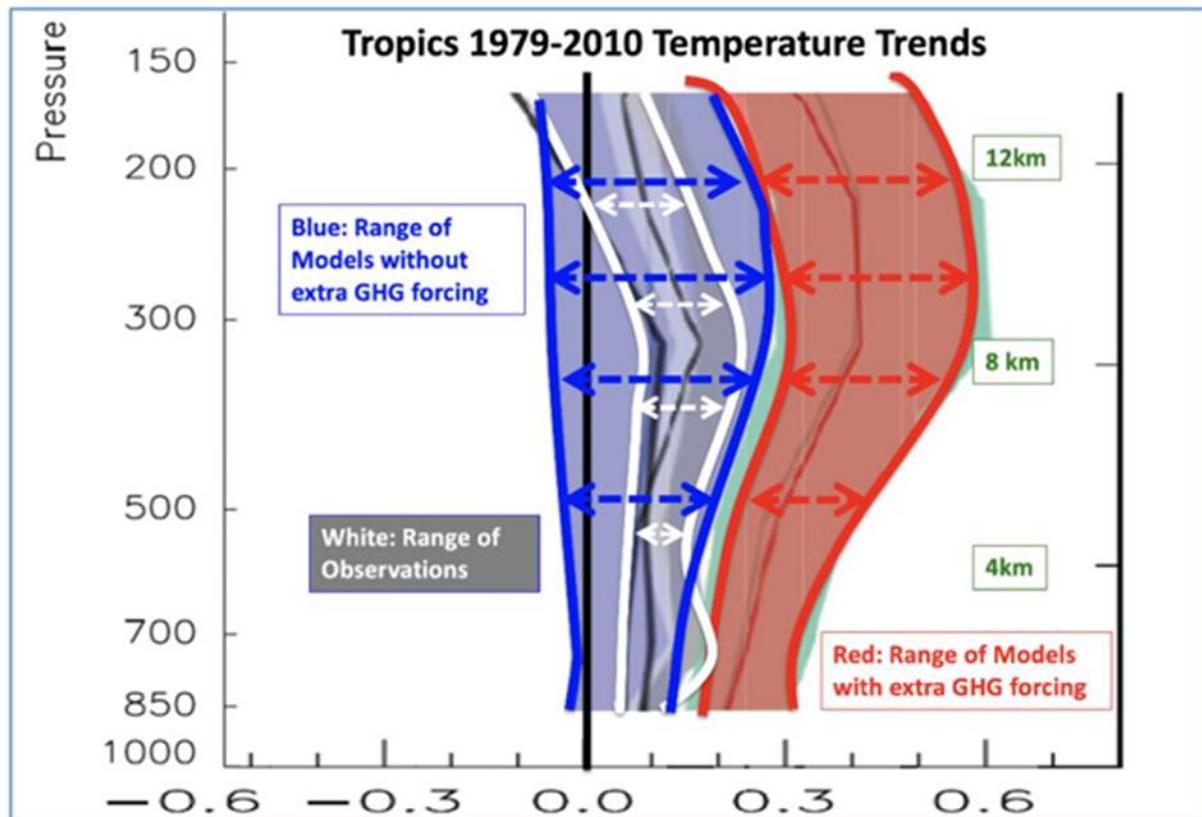
Most reporting on climate change is superficial and politically inspired. The undeniable fact is that the climate has always changed and always will due to Earth’s continually evolving physical relationship with the sun. These changes were well documented by Milankovitch over a century ago and still prevail. All current observed trends are consistent with latitudinal changes in solar intensity due to the precession of Earth’s orbit; the Sun movement in Jupiter’s elliptic and solar activity.

A little reported fact is the increasing altitude of the Greenland summit. This is the inevitable consequence of increasing snow fall on the summit as the surrounding ocean warms due to increasing solar intensity.



Anyone with basic understanding of glaciers know they grow at the top and expand down and out. Only a few of Greenland glaciers have reversed their retreat but they will all eventually expand as the snowfall continues to increase.

The CSIRO's ACCESS climate model is inept. It shows tropically oceans eventually sustaining more than 30C. This is physically impossible with the present atmospheric mass due to convective overshoot when the surface briefly exceeds the 30C sustainable limit. The process is observed as monsoon setting in once the top of atmosphere solar intensity exceeds 425W/m<sup>2</sup>. This failure is observed in all climate models and identified in UNIPCC AR5.



); Vertical warming pattern for tropics (20S to 20N). Horizontal axis: °C/decade. Source: Annotated version of IPCC AR5 Figure 10.SM.1

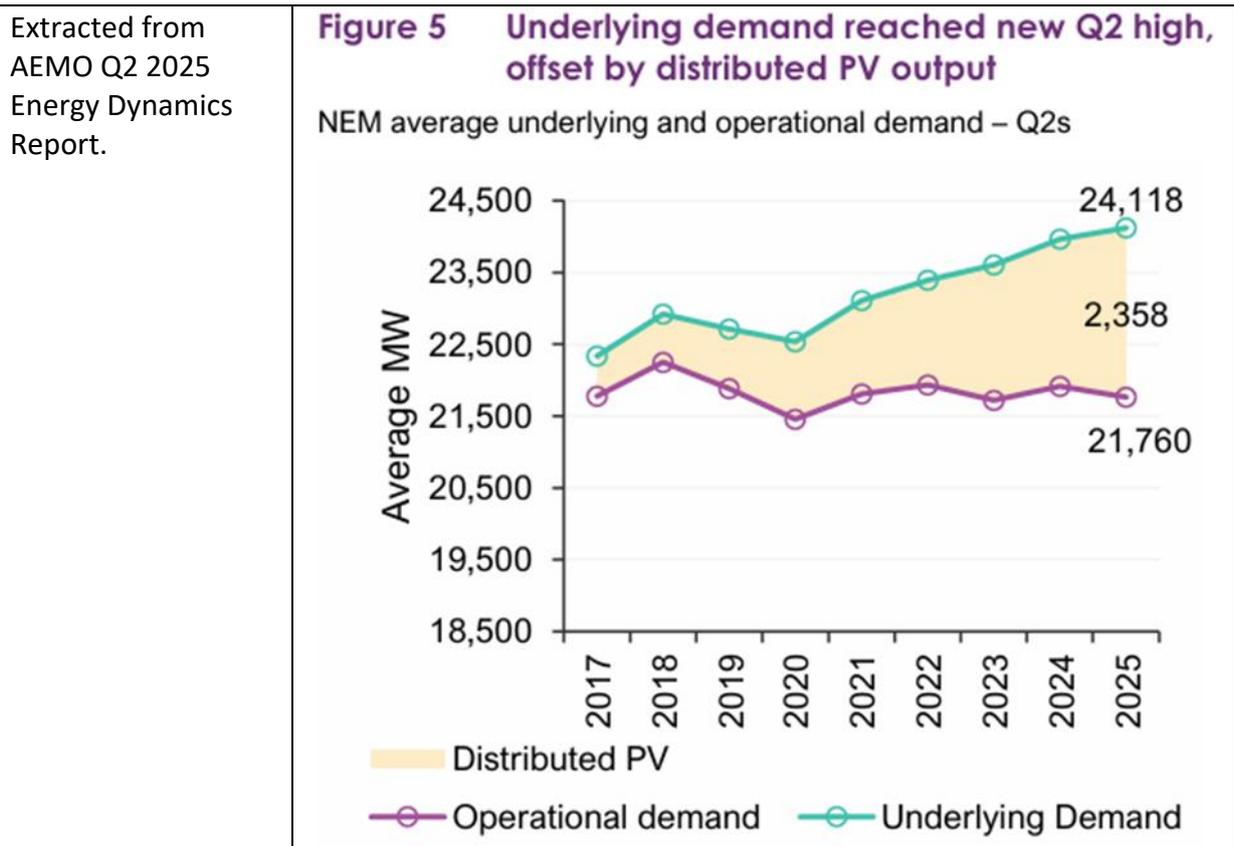
The tropical ocean surface and atmosphere has not warmed as the climate models predicted. This verifies the inadequacy of the models to explain the current warming trends. In contrast, the solar intensity in the northern hemisphere has been increasing due to precession of Earth's orbit around the Sun since 1700, consistent with the observed warming since then.

The fix for the climate scam is to withdraw from the UNIPCC and stop funding the corruption of science at the CSIRO.

## Energy

Australia’s energy transition is a miserable failure. It has resulted in higher electricity prices and energy intensive industry closing down.

The volume of the wholesale electricity market in Australia peaked in 2008. And the market is now in terminal decline with only rooftop generation growing strongly as observed in the latest AEMO quarterly market report. None of the existing smelters are operating profitably without government support and book value has been reduced to zero.



These trends are now well established as owners of roofs take action to insulate themselves from every rising grid electricity costs.

The electricity grid is now in the economic trap of rapidly rising capital cost spread across falling volume resulting in unit costs spiralling upward. Rooftop capacity continues to increase by 10% year-on-year; increasing their share of the generation because they have captive demand. Utility scale generation is fighting for ever reducing volume so almost impossible to increase penetration without dramatic lift in storage. Despite all the expense, there has been no reduction in the need for dispatchable generation because wind and solar both go missing in action often when the need is greatest.

CSIRO continues to promote the obvious falsehood that weather dependent generation is lower cost than coal.

The easy fix is to extend the NEM bidding interval to monthly and penalising any generator not able to meet their rated capacity when scheduled. The current 5-minute bidding interval is ridiculous considering that electricity is a life-preserving essential service.

### **Information Integrity**

Australia has been badly misled by government funded institutions in media, academia and science. ABC and CSIRO have sacked people with integrity who did not toe their political line. The result is organisations without integrity aligning with the side of politics that is prepared to increase their funding.

The lack of integrity is endemic and will not be corrected in the existing framework where income and survival take precedence over integrity. The quick fix is to sell ABC and CSIRO to anyone willing to pay for them while restoring a focus on serving their customers rather than survival.

**Richard Willoughby** is a retired electrical engineer having worked in the Australian mining and mineral processing industry for 30 years with roles in large scale operations, corporate R&D, mine development and contribution to the early development of the national electricity grid in the 1990s. A further ten years was spent in the global insurance industry as an engineering risk consultant where he developed an enduring interest in natural catastrophes and changing climate.

The author is willing and available to give verbal evidence if the opportunity is presented.