

Purpose of the NSW IPC

- To deliver robust and timely determinations within the legislative and government policy framework **to best serve the people of NSW**

• **What best serves the people of NSW?**

- Saving the planet from Anthropogenic Global Warming – now called Climate Change
- Low pollution.
- Abundant, inexpensive, reliable electricity.

Anthropogenic Global Warming

- **It's a hoax!** The earth's climate is, if anything, cooling. See <https://climatethemovie.net/>

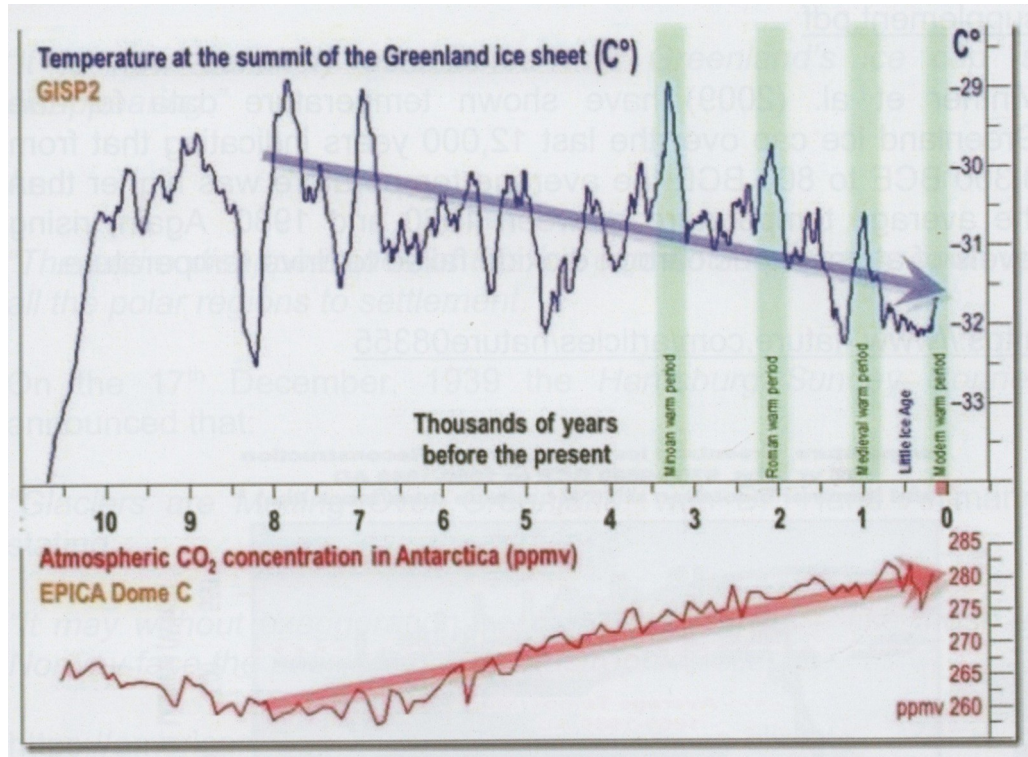


- **“97% of Climate Scientists Agree” is a fraud!**

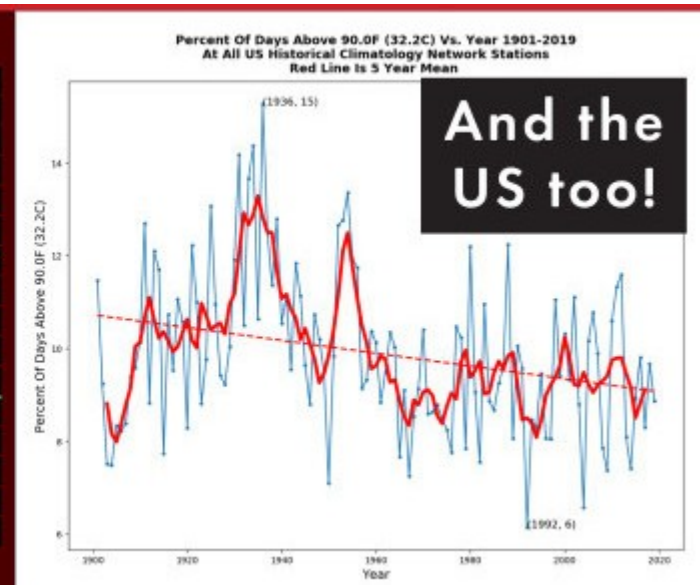
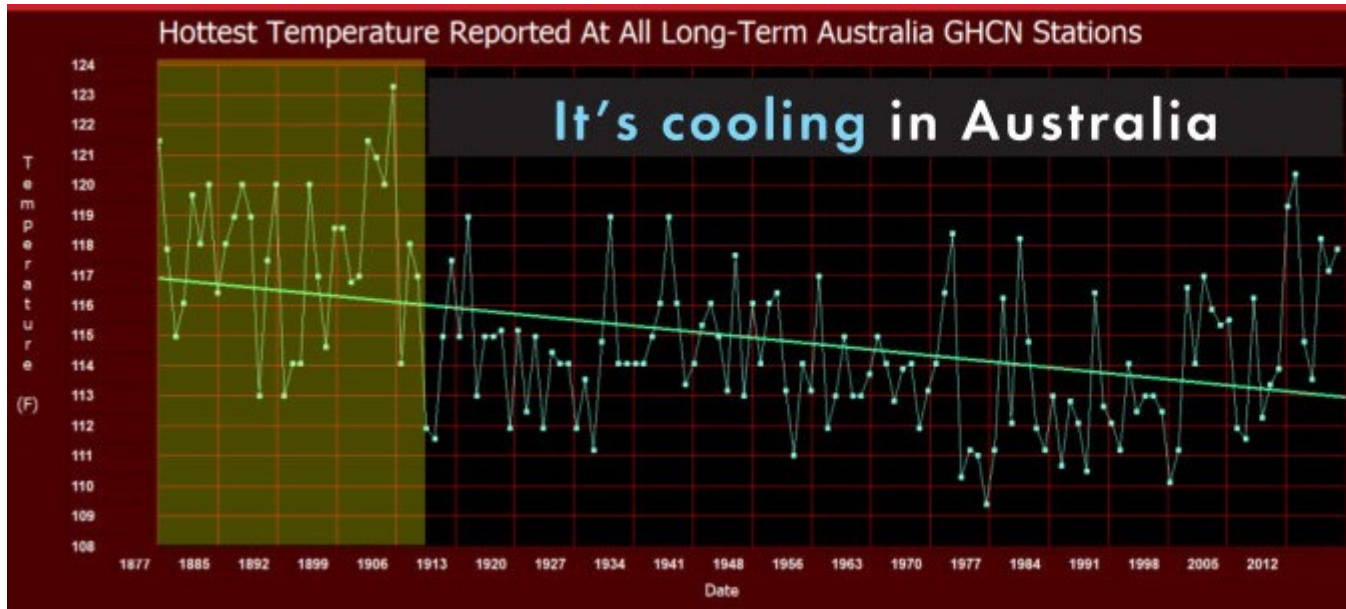
See <https://www.youtube.com/watch?v=91z7YPCLSWk&t=50s>



The Earth's Climate is Cooling



Recent Measurements 1880 to Present Day



Low Pollution

- See <https://www.instituteforenergyresearch.org/fossil-fuels/coal/the-facts-about-air-quality-and-coal-fired-power-plants/>
- Coal-fired electricity generation is far cleaner today than ever before. The popular misconception that our air quality is getting worse is wrong, as shown by EPA's air quality data. Modern coal plants, and those retrofitted with modern technologies to reduce pollution, are a success story and are currently providing about 50% of our electricity. Undoubtedly, pollution emissions from coal-fired power plants will continue to fall as technology improves.



Wind & Solar = High Pollution

- Disposal of Solar Panels
- Disposal or recycling of batteries
- Windmill blade erosion releases Bisphenol A
- Disposal of Windmills at the end of life.
- Visual pollution of solar panels and Windmills



- **Abundant, inexpensive, reliable electricity..... NOT!**

- What will be the wholesale cost of electricity produced by this means?
- What will be the confidence level of Supply satisfying the Demand?
- **IS THERE A GUARANTEED PERFORMANCE BY THE SUPPLIER OF THESE SYSTEMS? - NO!**

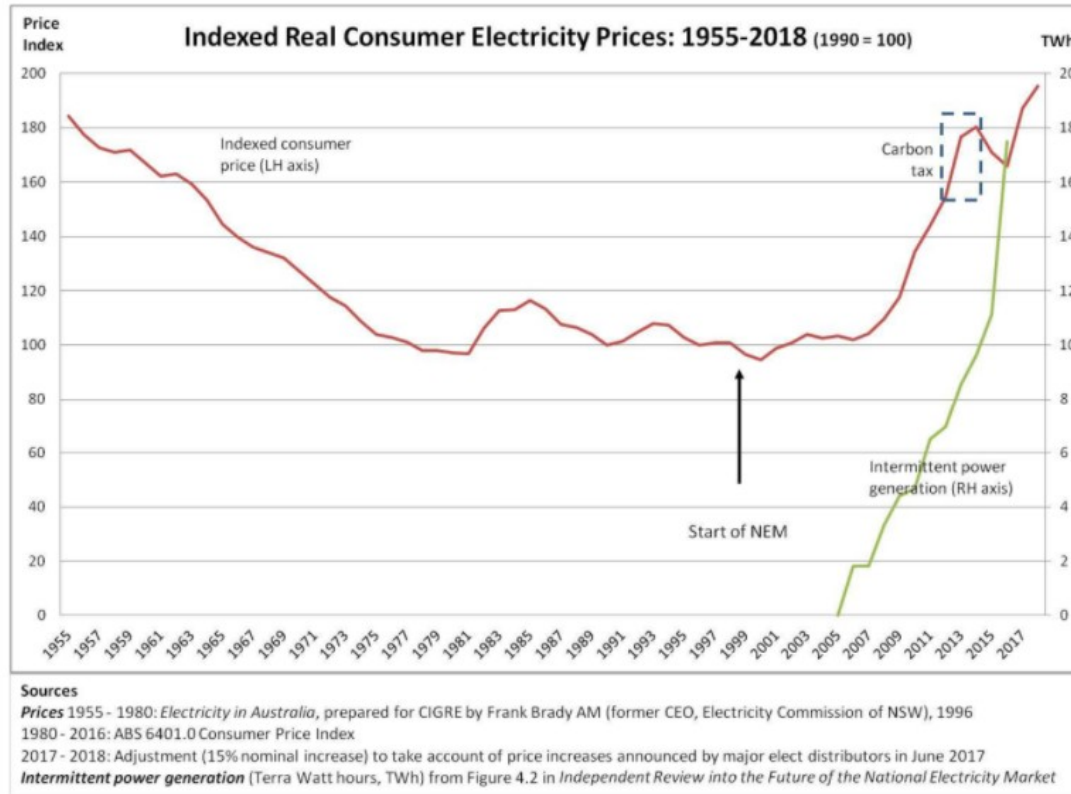
Cost

- The system's battery is there only to smooth out supply and harmonics. It is not capable of providing power for greater than about one hour.
- When the sun isn't shining conventional power generation plants will have to fill the gap.
- **The public is paying for two systems – one of them being extremely unreliable and inefficient.**
- **DESPITE ASSURANCES, THIS SOLAR SYSTEM WILL BE FAR, FAR MORE EXPENSIVE THAN POWER PRODUCED BY COAL.**

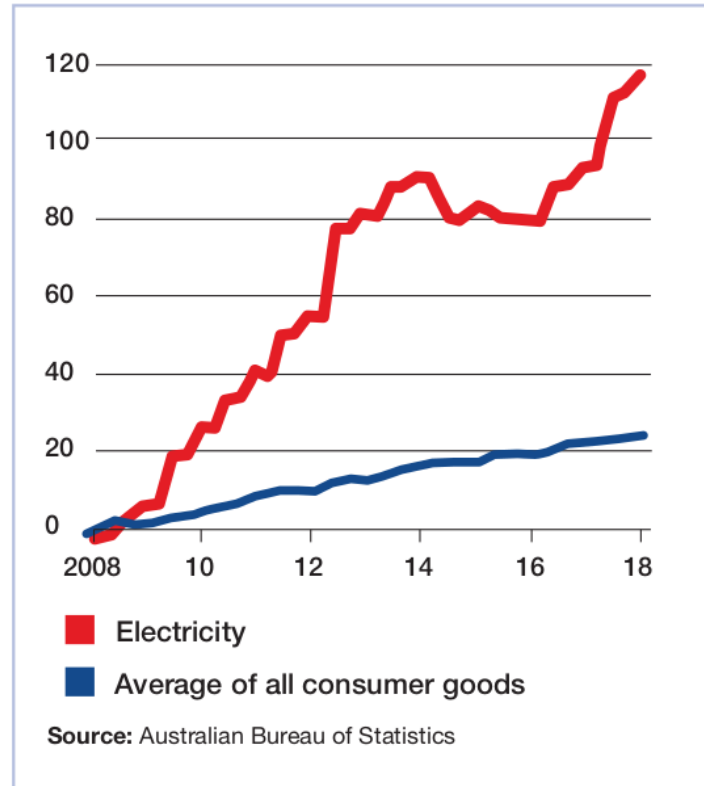
RELIABILITY

- This system of power generation is unreliable.
- It is therefore necessary to have a back up facility capable of meeting all of demand.
- The public are paying for two systems; one of which, namely the solar plant, is inherently more expensive.

Intermittency & Cost



THE COST OF ENERGY



SUMMING UP

- **There is no justification for seeking to limit the emissions of CO2.**
- The IPC's duty is to deliver robust and timely determinations within the legislative and government policy framework **to best serve the people of NSW**
- If IPC allows this project to continue as it is, it will be derelict in the performance of its duty.
- Before this project can proceed, there must be a distinct benefit to the people of NSW.
- As it stands, **THIS PROJECT HAS EXACTLY THE OPPOSITE EFFECT. IT WILL POLLUTE AND IT WILL RESULT IN VERY EXPENSIVE, UNRELIABLE ELECTRICITY.**
- **AS SUCH, UNTIL THERE IS AN ACCEPTABLE PERFORMANCE GUARANTEE, SUPERIOR TO THAT OF COAL FIRED ELECTRICITY GENERATION, THIS PROJECT SHOULD NOT PROCEED.**

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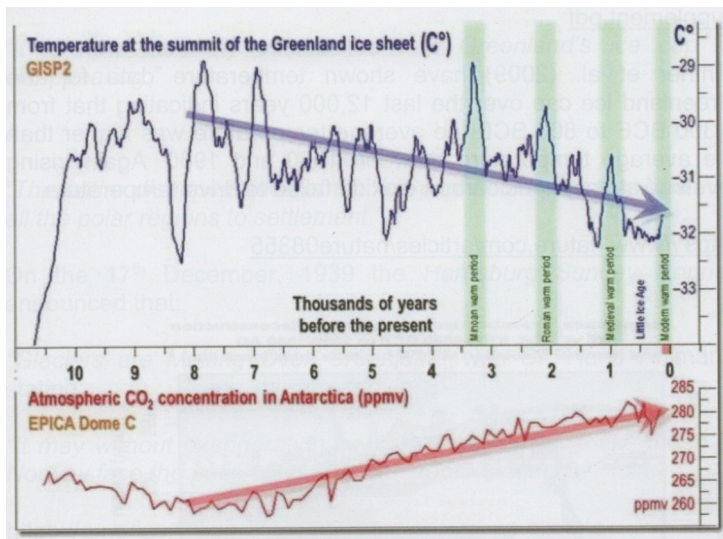


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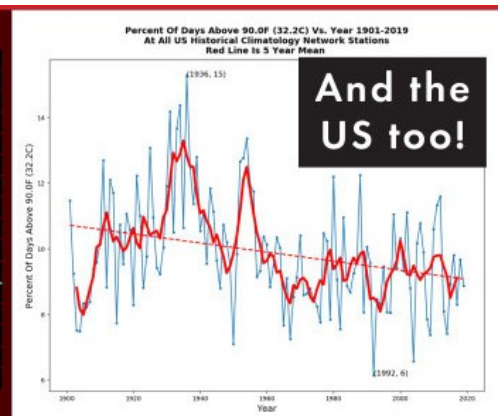
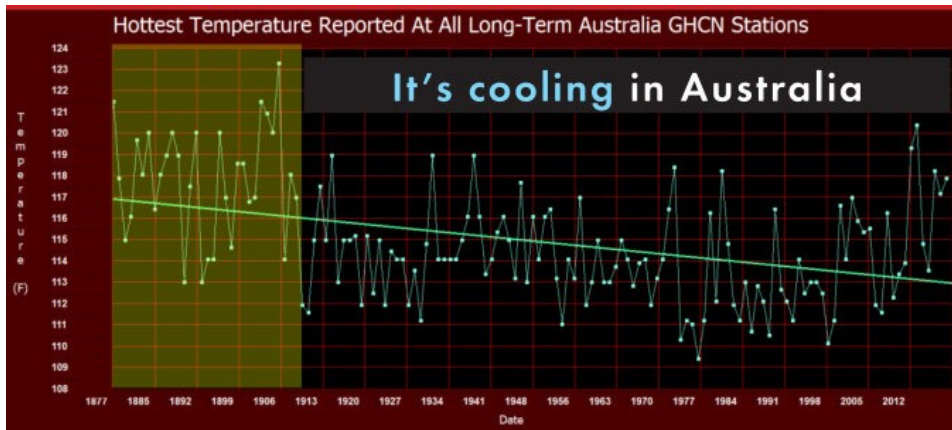
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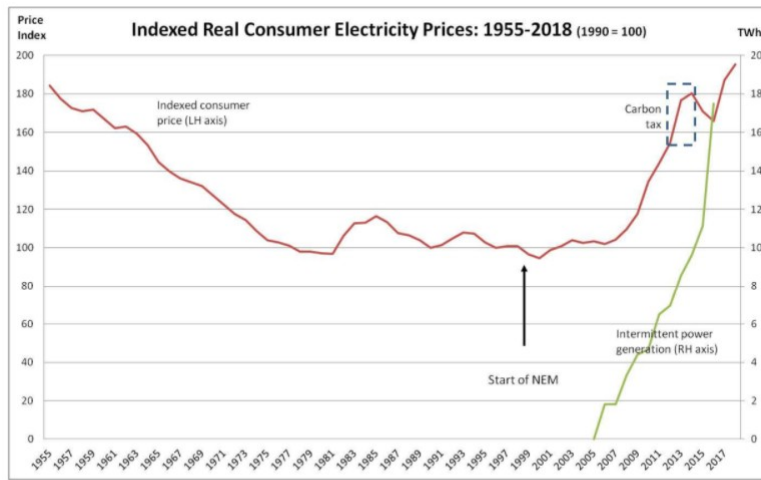
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Sources

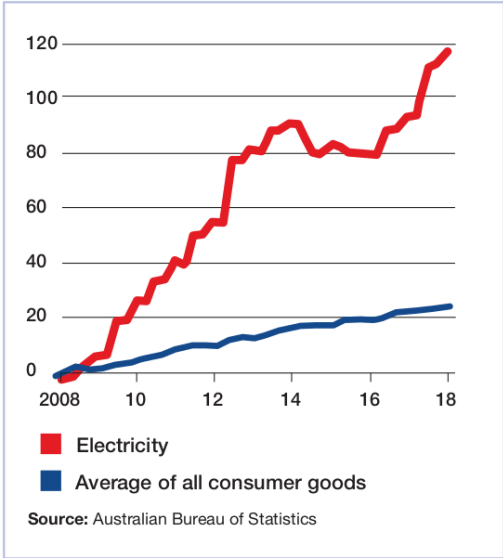
Prices 1955 - 1980: *Electricity in Australia*, prepared for CIGRE by Frank Brady AM (former CEO, Electricity Commission of NSW), 1996

1980 - 2016: ABS 6401.0 Consumer Price Index

2017 - 2018: Adjustment (15% nominal increase) to take account of price increases announced by major elect distributors in June 2017

Intermittent power generation (Terra Watt hours, TWh) from Figure 4.2 in *Independent Review into the Future of the National Electricity Market*

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