Submission No 3

INQUIRY INTO PROTECTION OF THE ENVIRONMENT OPERATIONS AMENDMENT (CLEAN AIR) BILL 2021

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If Emission standards are to be changed they should be targeted towards a zero or negative carbon emission value. Several European countries are already de-commissioning their Coal & Gas fired Generators. Some are also closing down their Nuclear stations. This is an indication of an ongoing trend.

If this State Government was serious about Power Generation, specifically the surge/peak usage, the Queensland Bradfield Scheme gives some very workable solutions.
https://en.wikipedia.org/wiki/Bradfield_Scheme

Along our fantastic eastern coastline we have quite a few candidates of rivers that can pump water inland and also assist in flood mitigation and hydro power generation for demand usage.

Approximately one third of the way to the coast (height wise) is probably the best point to locate any water system to divert inland without making any major impact upon coastal water flow or height to pump up to go inland.

Around two thirds of the way to the coast (height wise) is probably the best point for flood mitigation / hydro power generation. This is not to be like the Snowy Scheme as that is utilising recycling of power to pump back up-hill during off-peak (cheap) times. These dams would not be allowed to go beyond 2/3 full to have capacity to stretch out the duration of high water flows.

Hydro power stations would be in the 1-10 MW capacity.

This state does not need much more bulk generation during daytime. It needs more on-demand, surge and energy storage to shift the availability. These are the areas that should be addressed.