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**Subject:** Heat Island & Sheep Grazing

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Please also note the total failure of the DPI - Agriculture to truthfully & fully report the facts regarding sheep grazing at Neoen's Parkes Solar electricity generating works.

They have been silenced by the DPIE & forced to tow this dodgy line!

They are not reporting sheep deaths or injury, increased fly strike or damage to solar components. Purely just wool performance & blood lines, thus purposely excluding the detrimental impacts to the sheep.

Why is this so?

This is not truthful reporting at all, but fudged studies to enhance the glow of solar.

This has even then been used by the National Farmers Federation's Bruce Tran, without him initially being aware of this failure in a genuine, detailed report via the NSW DPI-Agriculture.

Regarding the NGH - Nicola Smith's claims of a 'heat island effect' study at Shepparton Solar

There has never once been an independent, reputable, peer reviewed study of Shepparton Solar electricity generating works.

Nicole Smith's reference of '30 metres negligible impact' refers to a limited comment from Professor Greg Barron-Gafford - regarding his incomparable studies on a minimal area of 13 hectares in Arizona.

If you care to listen to the audio/transcript recording of his interaction with 'Integrity Fruits' Orchardist Peter Hall - an extremely intelligent gentleman with a degree in Industrial Physics & experience with solar factories & generating works in China, you will discover that Barron-Gafford urges more research on this 'Heat Island Effect' & admits that a larger scale would equal a larger 'Heat Island Effect.'

\*Peter Hall's interaction with Professor Greg Barron-Gafford at the Shepparton Solar Hearing.

According to Peter Hall -

**Question 1. Did Greg Barron-Gafford believe more tests definitely needed to be done, specific to Australia, to confirm the 'Heat Island Effect' impact on surrounding landholders?**

"Yes, Greg Barron-Gafford was clear on the fact that his research was done on a small scale and further research was needed to evaluate it on larger scale.

He also agreed that every local situation will offer its own particular set of climatic, wind and weather circumstances and would need to be evaluated.

Is he being used as an expert witness? I wonder if he is aware of the weight of his testimony being used in such a way.

His trial was very small. It would be like someone trying out a small rocket in your backyard and then saying I think you could make it a bit bigger and send someone to Mars without any further tests.

He agreed with me that more tests need to be conducted."

**Question 2. Would the 'Heat Island Effect' be greater than 30 metres for a larger scale solar electricity generating works?**

"Yes, Greg Barron-Gafford said it would be greater by a function of increased size.

It's just difficult to estimate how much bigger.

The problem is climate calculations are very complex."

Does Professor Greg Barron-Gafford approve of being falsely verbalised & used by Neoen, NGH, NSW DPIE & IPCN to approve such proposals under false pretences, by misusing his quote of a 30 metre 'Heat Island Effect' impact, which specifically related solely to his limited research on 13 hectare of solar panels - under specific climatic conditions in Arizona?

This in no way can be used to say that this 30 metre impact applies to a massive electricity generating works with 900,000 solar panels on 900 hectares in Culcairn, Australia!

Andrew & Zada definitely must clarify this. To date, they have completely failed to do so for Walla Walla Solar & Jindera Solar - despite this correct information being available to them from the Shepparton Hearing or directly from Peter Hall himself or Professor Greg Barron-Gafford.

Why do they remain so ill informed on the truth of this matter?

There is no way that the viability of this food resource land, the 'inherent capability' of this land, will ever be restored to its original condition - as claimed by the NSW DPIE & previously fully supported by the IPCN. Numerous, reputable bodies (including National Farmers Federation, CRC-CARE, NSW DPI-Agriculture & the EPA, etc. warn of the necessity to research the 'severe or irreversible' contamination risks & the obvious 'Heat Island Effect' impacts on surrounding landholders & residents prior to approvals, as these must both now trigger the 'Precautionary Principle' & therefore, prevent approval, as there is a total failure to do any research to confirm the safety of this proposal & all other large-scale PV Solar proposals already approved under false pretences.

The NSW DPI-Agriculture are unable to provide any research evidence whatsoever, & believe that research needs to be undertaken by the EPA - to address these 'serious or irreversible' contamination concerns - as outlined by Tamara Prentice.

It is most extraordinary & extremely deceitful, that NSW DPIE claim in each of their large-scale PV Solar approvals, that NSW DPI-Agriculture has no objections whatsoever.

This is false & has proven to be so, following prolonged questioning & extensive requests for this vital research information, which is totally non-existent.

In addition to this, Rob Beckett - NSW DPIE Environmental Assessment Officer & his superior Nicole Brewer - who has definitely retrieved this Culcairn plan from the sewer, are both totally negligent!

Rob Beckett has in fact admitted to objectors that the NSW DPIE "do not have the resources to do the research, but are trusting the developers!"

You have got to be kidding!

These off-shore, unethical, proven non-compliant, money hungry rorters are in control of Australia's agricultural soil heritage??

This is unconscionable & reprehensible!

This unproven safe Culcairn proposal & all already planned & approved, must immediately cease, until reputable, independent, peer reviewed research is fully completed.

There are no preventative measures such as hail netting or extensive bunding to prevent hail fracturing of PV, nor to contain heavy metal leachate washing into the soil during a rain event, which would then migrate to neighbouring land, with carcinogenic cadmium proven to wash from intact solar panels from rainwater. None of this is ever included in strict conditions, as this obvious, disastrous risk is never acknowledged by the developer, the NSW DPIE or the so called expert IPCN panel!

Emeritus Professor Zada Lipman has an Environmental Law degree & has lectured at Macquarie University. Yet she has not once addressed this glaringly obvious 'serious & irreversible risk' of toxic contamination at the recent IPCN Culcairn Solar meeting, never for Walla Walla Solar & never for Jindera Solar.

Instead, Professor Zada Lipman has twice focused on the most insignificant questions -considering the devastating impacts she completely ignores. Being obsessed by the water cart - asking about this vehicle's movements at the Culcairn Solar meeting & for Jindera Solar - whether dam water is being used in the water cart to sprinkle the dust. This is simply unacceptable & ridiculous nonsense, when such extreme risks are at stake for this whole, reliable, productive, proven uncontaminated food resource land district.

What about the heavy metal leachate risk - including toxic lead, carcinogenic chromium & cadmium - which is proven to leach from intact panels? Panel members completely ignore this!

Where is their 'Precautionary Principle?'

There appears to be an extraordinary gap in their knowledge & ability to truthfully & independently assess all of these insidious proposals, or sheer wilful ignorance, or worse still, purposeful intent.

Either way, there is absolutely no excuse that such an extensive invasion of our best food resource land has been purposely targeted long ago as outlined by DPIE former Executive Director David Kitto - who carelessly presented his fraudulent mapping - excluding vast areas of agricultural & irrigation land all along his chosen energy route.

It is now apparent that his totally incorrect labelling of superior land as 'wasteland' was purposely done to fulfil his contaminating & future electronic garbage dump agenda, in a mad hurry to beat the closure of our most reliable, base-load, coal fired power plants.

However, with Kitto's departure & Mike Young at the helm, nothing has changed!

How naive were we, that David Kitto was actually indicating all along - at the Wagga Wagga Solar Forum July 3rd 2019, that in actual fact, the DPIE purposely set out to transform our best arable land to 'wasteland.' Thus, devastating rural NSW, sabotaging Australian agriculture, our reliable, economical energy provision & our national security - with critical energy infrastructure proposed to be controlled by numerous Chinese solar/wind energy companies, the dominating Cheung Kong Conglomerate with electricity & gas - including most of the hydrogen pilots/trials through AGN & AGIG,

Added to this, is the extensive domination of China in our critical electricity supply & distribution - 100% in S.A & almost 100% in Victoria, & further, with a 15% stake in Transgrid, & now, in spite of the obvious threatening hostilities of the People's Republic of China (PRC,) the NSW State Government & Federal Government are both idiotically fully supporting the PRC's control of 'Project Energy Connect' - the monstrous 900 km interconnector freeway - for this unreliable, intermittent, renewable garbage - emanating from the PRC's Robertstown, S.A substation - owned/controlled under a 200 year lease until 2200 by the State Grid Corporation of China's ElectraNet - which is no other than the People's Republic of China - the PRC!

'Project Energy Connect' proposes the MurrayLink into Victoria, then through to Wagga Wagga, NSW, & there connecting with the Hume Link - through to the Eastern Seaboard!