

Objections to Gundry Solar Industrial development

1. We have been blessed with an idyllic lifestyle where the semi-rural setting has been our home for 59 years. We have raised three children who flourished in their Goulburn upbringing to become wonderful human beings. We believe this can be attributed to the rural/residential environment which is perfect for any growing family. This opportunity is precious & should not be lost to an industrial development that could set the city development back at best 30 years – that is if the site is not left an abandoned industrial waste land by long departed profit takers.
2. Most of this large-scale industrial development is in the SEPP of the Regional City of Goulburn. This massively changes the whole visual & social aspect of the Gundry Plains changing it from rolling paddocks to a massive industrial eyesore. The visual & audible pollution will decimate the natural landscape.
3. Severely impacts over 100 residents directly within a 4km radius. The emotional & psychological trauma is relentless leading to ongoing health issues.
4. Proximity to Goulburn township of an industrial development of this scale eliminates 1000's of potential, semi-rural, residential lifestyle blocks (hobby farms), not only in the development area but the surrounding area – literally thousands of hectares. This is 1000's of families who won't be moving to the Goulburn area for a nurturing lifestyle while providing sustainable growth to the Goulburn city. This benefits schools, roads, shops, employment. Permanent residents/families are the foundation for sustainable growth to the Regional City of Goulburn & the whole Goulburn Mulwaree area.
5. Reduction in land value will be substantial given the large visual impact, continual on-going noise pollution & potential toxic chemicals released from electrical components. It is in direct conflict with a rural/residential development with no buffer present. Native tree growth is very slow, so this does not mitigate the visual & audible impacts. The life span of the development will be expired by the time trees are mature enough to screen and that is only with constant nurturing throughout their establishment & ongoing maintenance.
6. Lack of long-term jobs – Construction workers are generally transient & very short lived - there may be only a few long-term jobs for the region. There is no real long-term benefit to the local economy. In comparison sustainable population growth provides ongoing long-term benefits to the local economy.
7. Totally inadequate fire mitigation. Panels in direct sun can regularly heat to 65deg & raise the air & ground temperature by at least 6deg. No account has been given this super heating effect. Add our prevailing strong westerly wind with the inability to control anything but a small, slow-moving fire internally (noting I have been advised rfs will not endanger their staff by the entering site) the fire will spread quickly. This development will have a super charged fire exiting the site in close proximity (less than 1km) on the western side to a heavily timbered rising slope to the dense bushland of the Mountain Ash range. This super-heated

air will accelerate rapidly up the rising slope predisposing pre ignition, totally removing the ability to contain what could become a replica of Black Summer 2019/2020. Toxic fumes/smoke from burning electrical components will require nothing less than full respirator, PPE & access only if safe escape could be guaranteed. At this point RFS are not issued or trained in these procedures & will not access the site leaving a fire to escalate uncontrolled.

8. A proposal for a second large scale solar development in close proximity on the eastern side of the Gundry Solar site will further compound the fire risk & given the right conditions will pre heat the air **entering** the Gundry site. There has been no studies or evidence produced to dispel this super heating effect & possible magnification of the horrendous outcomes.
9. Panel/Battery Fire – there is no way of controlling or extinguishing a solar panel /electrical/ battery fire. Toxic fumes & the electrical/ chemical reaction renders conventional firefighting methods useless. Given the scale & type of energy of these components this should be comprehensively addressed prior to any approval. This is beyond a “management plan” approach & requires mitigation infrastructure to be installed from the outset.
10. The scale of the substation and associated towers has been grossly understated with the provided montage views being totally misleading due to the lack of scale
11. Traffic. Given the current road usage the Windellama Rd is totally inadequate for construction traffic with 500 extra vehicle movements a day identified. This could double with the second proposed Merino solar farm. The road would need to be properly upgraded.
12. Efficiency – historical BOM data for Goulburn indicates 88 days per year will be suitable for maximum solar production. Given solar panels ramp up from 08:00 to peak from around 10:00 -15:00 assuming a total production of 8 Hours per day the overall output. Battery storage cannot be classed as generation as they require electricity to charge & do not create energy so they are generation neutral (at best as there is always losses).

Eff is $88/365(\text{days}) * 8/24(\text{hours}) = 8.04\%$ efficient.

THIS IS THE WRONG LOCATION

13. Decommissioning – without the total cost of decommissioning being held in trust for the life of the project there will be no guarantee of total rehabilitation of the site. As has already been happening generation sites have been on sold many times with the likely outcome of an insolvent proponent at the end leaving a costly industrial disposal on mass of non-recyclable components.