

I am emailing in response to the safe distances query from large solar farms. Your email went to my husbands email for some reason so I have emailed from mine now. We are not opposed to solar but opposed to their positioning and the impact of visual impact and noise on residential properties in Knapthorpe. Thus requesting buffer zones be made larger. There are a number of references siting safer distances such as:

<https://www.irish.solar/what-is-a-safe-distance-to-live-from-a-solar> have stipulated 2km or 1.2 miles based on relevant authorities feedback. A further site [www.itekenergy.com/solar-panels/what-is-a-safe-distance-to-live-from-a-solar-farm/](http://www.itekenergy.com/solar-panels/what-is-a-safe-distance-to-live-from-a-solar-farm/) recommending 2-3 kilometers or 1.5 miles. A further site

<https://gosolarfloridastate.org/blog/what-is-a-safe-distance-to-live-from-a-solar-farm/> 1.86 miles from residents.

I would like to raise two objections to 'X', after looking to the National Policy statements (EN-1 and EN-3).

First -

- Please see attached your cumulative assessment plot for the hamlet of Knapthorpe and the circle where our property is. We are being visually enclosed (the large GNR solar park and SSE solar farms are visually overbearing projects). The close proximity of these solar farms combined "cumulative impact" will create a sense of visual enclosure, and this will make us feel hemmed in by industrial infrastructure.

- We are asking for a condition in the DCO which mandates a larger buffer for panels near residential boundaries sited at Knapthorpe.

Second -

Concern over noise during construction of solar farm and Battery Energy Storage System (BESS), I believe there are 2 local to Knapthorpe and if the equipment includes cooling fans or inverters, the noise profile is constant. The SoS is bound by the Noise Policy Statement for

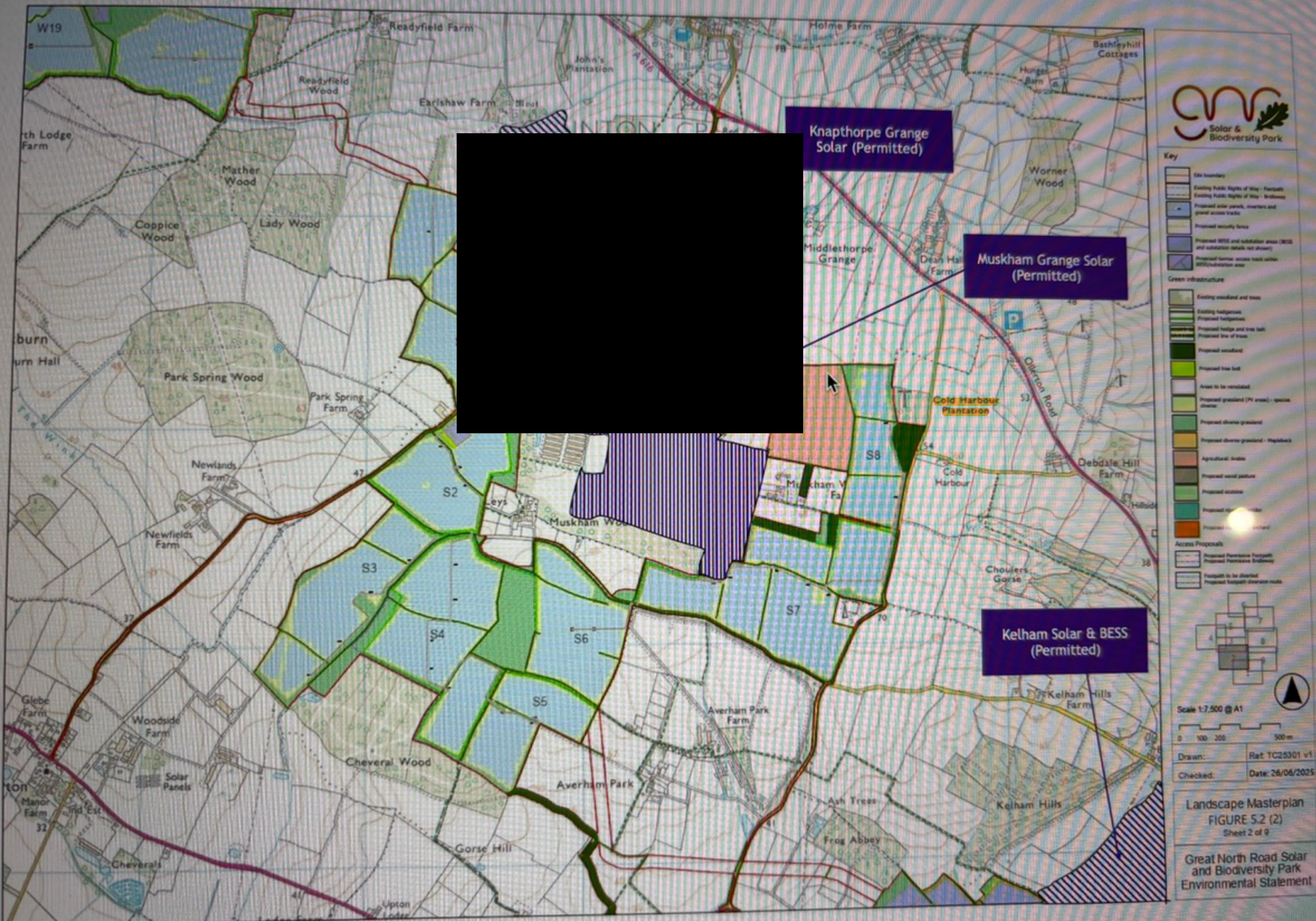
England <https://assets.publishing.service.gov.uk/media/5a7956e0ed915d0422067947/pb13750-noise-policy.pdf>. <https://www.cpreherts.org.uk/news/do-solar-farms-make-any-noise/> <https://kingswaysolarcommunityaction.co.uk/solar-farm-noise-pollution-uk/>

Regarding noise impact, in this quiet rural setting, the night-time background noise is exceptionally low. I note that the proposed infrastructure is sited only 100m from my property and even less with other properties in the hamlet of Knapthorpe. This proximity is inconsistent with the requirements of BS 4142:2014+A1:2019. Given the nature of inverter hum and the high-frequency whine of BESS cooling fans, the cumulative noise impact at this distance will create a significant adverse effect on my residential amenity. I formally request that the Examining Authority mandates a Minimum Noise Buffer Zone of at least 150m, or requires the developer to submit a site-specific acoustic model that accounts for the low-frequency propagation unique to this 800MW scale. I am concerned that the constant cooling fans of the BESS/Inverters will exceed the WHO Night Noise Guidelines, leading to sleep disturbance, which is a protected concern under the Human Rights Act (Article 8: Right to respect for private and family life). There is reference to lessen noise to background noise but even then a constant background noise at night can often disturb sleep. It is very quiet throughout the night in the hamlet of Knapthorpe. We are requesting a maximum buffer to prevent such noise.

We would welcome your response to such concerns in Knapthorpe and would like to ask whether a condition could be put in regarding safe distances from solar from residential properties.

Kind regards

Sally Drew resident at [REDACTED]



Cumulative Impact - Averham Park and Knapthorpe Area

Post-hearing submissions, including written summaries of any oral cases made at the hearings held this can include parties detailing what they think is still an issue relating to the topics of the Devel