

Thank you for inviting me to make a submission.

I object to

The scale of the planned development completely altering the character of a rural area.

The use of good agricultural land for solar panel use, in place of roof installations on existing structures.

The use of large-scale Lithium Ion batteries near residences/schools.

In particular, I believe these batteries to be unsafe near residential areas for the following reasons:

Extremely high energy density, and total stored energy.

Reliance on elaborate control systems responding rapidly and correctly in the event of an unplanned incident or breakdown, in order to prevent thermal runaway.

Well documented historical instances of explosions, failures of control systems, and other uncontrolled incidents.

Vulnerability to the security of safe operation by unauthorised entry to sites.

Reliance on a technology provider associated with an authoritarian and potentially hostile foreign government (for the most common battery supplier).

Absence of mandatory regulation regarding the hazards posed by these batteries, and the chemicals contained in them.

Possibility of combustion/chemical explosion releasing plumes of dangerous chemicals, and being a hazard to residents and emergency services.

Incidents on battery sites being impossible to mitigate without huge volumes of water, hazardous in a high voltage environment.

Recovery of stranded energy and making safe of a site where an incident has occurred being extremely problematical.

I would also object on noise grounds.

These batteries can require noisy cooling. The 50MW Burwell battery, for example. produces more noise pollution than residents were led to believe at the planning consultation, and the supplier has not been made to reduce it to that level. I see no reason to believe the current application would fare any better in this respect.

In as much as my objections leave any part of the application unaffected, I have no objection to other details of the application.

References:

"Safety of Grid Scale Lithium-ion Battery Energy Storage Systems" Fordham/Allison/Melville ResearchGate

Kind Regards
Roger Osborn