

From:Burwell RFO

Sent:Fri, 19 Jan 2018 10:56:44 +0000

To:Richard Fitzjohn;Richard Fitzjohn

Cc:PLServices

Subject:17/02205/FUL Aura Power Storage Solutions, Land North West of Electricity Sub-Station, Weirs Drove, Burwell

Importance:High

Dear Richard

17/02205/FUL Aura Power Storage Solutions, Land North West of Electricity Sub-Station, Weirs Drove, Burwell

Development of a 79.9MW battery storage facility, bridge and associated works

Burwell Parish Council in principal have no objections to the proposal provided that the following questions / issues are addressed in a satisfactory way to the benefit of the residents of the parish

Application Form

Part 9

Materials

3 metre high close boarded acoustic fence

Supporting Plan 23060103 shows a 3m high Close Boarded Acoustic Fence.

Supporting Plan 23060106 shows a 2.5m high Close Boarded Acoustic Fence. What are the correct dimensions of the Close Boarded Acoustic Fence?

Part 23

Hazardous Substances

- A. Lithium ion batteries produce toxic gases if overheated.
- B. If overheated, damaged or rapidly charged or discharged Lithium Ion batteries may overheat and suffer thermal runaway resulting in fire and or explosion.
- C. Lithium is a highly volatile and reactive substance.

Note If handled and operationally controlled correctly with a robust battery management system Lithium Ion batteries are considered to be safe.

Lithium Ion Batteries are not classified as hazardous waste under the Hazardous Waste Regulations 2005. However they are included in the Environment Agency Guidance on Hazardous waste as a substance whose presence could render waste hazardous on account of its flammability.

How will safe disposal of life expired batteries be ensured?

How will safe disposal of the batteries be ensured when the site is decommissioned?

Cobalt is a major component of Lithium Ion battery cells. One of the major sources of Cobalt is the Democratic Republic of Congo where children as young as seven are employed in the mining of Cobalt. Can Aura name the battery manufacturer and confirm that there is no child exploitation involved in the production to be used in the Burwell installation.

Environmental Health

Noise

The conditions suggested by Peter Chisnall ECDC Environmental Health Technical Officer (Domestic) to be made mandatory.

It was necessary to make various assumptions when completing the Noise Impact Assessment. Therefore it is considered essential that accurate noise measurement readings are taken on commissioning the installation to ensure that the predicted noise levels are not exceeded.

Planning Statement

At a public meeting Aura stated that Halon gas would be used as a fire suppressant. The use of Halon gas was banned in 2003. In the Planning Statement 3.2.2 it states that a specially designed gas will be used as a fire suppressant. What gas will actually be used?

In response to a question raised at a public meeting Aura stated that solid state lithium ion batteries would be used at the Burwell Site. No solid state industrial Lithium Ion batteries are currently in production. Lithium Ion batteries are unlikely to be in production until 2022 at the earliest. What technology will be used for the batteries in the Battery Energy Storage System proposed for Burwell?

Neighbour List

Newall Farm 295 metres from the site is included but Martin Close 275 metres and Low Road 280 metres from the site are not. Why are they excluded?

General Questions

1. Does Aura Power have any connections with project Staunch the joint battery backup and diesel generator development in Newcastle under-Lyme?

2. The main companies involved in the Bristol Battery Storage Project were Hazel Capital, Noriker Power, Aura Power and Metka-EGN. What were each of their roles in the project?
3. Will the same Bristol Battery Storage Project partnership be involved in the Burwell project? If not who will take on their roles?
4. Who will manage and maintain the project once commissioned?
5. What are the guarantees that the specified essential maintenance, servicing and safety checks will be carried out throughout the life of the installation?
6. How are Fire and Rescue and the installation operators advised of a fire?
7. Will Fire and Rescue be made aware of the particular hazards of a fire in the installation?
8. In the unlikely event of a fire occurring what pollutants would be released into the atmosphere?
9. What are the lightning strike precautions?
10. Are the container units bought in, off the shelf, completely self-contained integrated units with fitted battery racks, individual AC DC AC conversion and battery management systems etc.? If so who is the manufacturer and what are the product details?
11. Are the units in house design? If so who is responsible for design and what experience do they have with battery backup systems?
12. The National Grid holds Grid Capacity Auctions sometimes known as Subsidy Auctions. Capacity Providers who are successful in the auction are awarded Capacity Agreements. These agreements appear to be for a minimum of one year in advance. If a Capacity Award is not held can Aura explain the contractual arrangements for the operation of the Burwell installation, and how it will have a sustainable income?
13. Will the operators of the Burwell Battery Storage Scheme be bidding for a Capacity Award?
14. Have the implications of the proposed upgrades to both the Burwell National Grid Main Substation and the Burwell Local Grid Supply Sub Station been taken into consideration? UK Power Networks Regional Development Plan RDP05 Burwell GSP (EPN) 2014 refers.

Kind regards

Jayne Weaver

Assistant Parish Clerk

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