

Bihrlle Applied Research Inc.
Questions for May 18, 2023 Public Hearing
Regarding Delorean Power LLC Project

NOISE

Concern:

Actual noise levels experienced by surrounding properties. While the Application for Rezoning states Delorean Power “does not anticipate any negative impact to adjacent properties. Noise from the units is generated by cooling pumps and fans and will be approximately 65 decibels or lower at the source and is expected to be inaudible to neighboring facilities.”

Questions:

1. Is that 65 decibels or lower per Project Site or 65 decibels or lower per battery storage container? If it is 65 decibels or lower per battery storage container and a large number of battery storage containers are installed per site, the noise impact could be significant. Is there data to back up the claim of “Noise... expected to be inaudible to neighboring facilities.”
2. What City of Hampton noise ordinances would apply under the current and proposed rezoning to ensure that noise does not have a negative impact to adjacent properties?

FIRE HAZARDS

Concern:

Lithium-Ion batteries are known to be extremely hazardous as evidenced by regulations and restrictions regarding shipping of Lithium-Ion batteries and transportation on airlines. They present fire and/or explosion risks and toxic fumes if they fail to operate as intended or are damaged.

Question:

1. What consideration is the City taking (with input from the fire department) in regards to any fire hazards related to the lithium ion battery storage containers?
2. Does the existence of a battery storage facility near existing businesses impact insurance premiums for surrounding businesses or create a policy “exclusion”?
3. Has Delorean conducted a risk assessment with regard to Lithium-Ion battery storage and operation?
4. What measures will Delorean take to monitor operations, contain problems should they occur, and accept responsibility for environmental impacts, cleanup, etc. in the event of a problem?

ELECTRICITY QUALITY

Concern:

Adverse impact to the quality/condition of the electricity in the business park.

Question:

1. Has Delorean conducted any studies to assess the potential impact of their operations or changes/interface to the substation with regard to delivery by Dominion of clean, conditioned electricity free of surges, drops, etc.?