

From: [NectonSubstationAction Messenger](#)
To: [Norfolk Boreas](#)
Subject: Site Selection
Date: 18 August 2020 11:56:01

Dear ExA

We would like the applicant to be asked the following question please.

When justifying putting their substations on the highest point in the Necton area the applicants' excuses were that, QUOTE from

(3) Norfolk Boreas EN010087-000390

- Sector 1 (pink sector): Contains existing natural screening (in accordance with the Horlock Rules) afforded by Great Wood, Necton Wood and a network of hedgerows in order to potentially reduce landscape and visual impacts.
- Sector 5 had the advantage of aggregating electrical infrastructure in proximity to the existing National Grid substation which not only reduces transmission losses but also keeps intrusion of electrical infrastructure into surrounding areas to a reasonably practicable minimum.
- With the proposed cable corridor approaching from the east, these sectors also represented areas which would allow the most direct cable route to reduce transmission losses.

Top Farm which was suggested many, many times by local residents, NSAG and the Parish Council, is just a close to Necton Wood as their preferred site. It also has other large stands of trees, and is of course much lower than the chosen site.

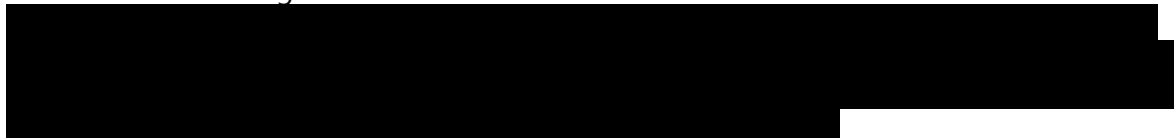
It is even closer to the National Grid substation than the applicant's preferred site. In fact right next to it. This would not only save on transmission losses, HVAC from the applicant's substations to NG connection point, (30-40% according to Google search for HVAC transmission losses). This will be a considerable loss because the applicant plans to bring the HVAC cables from the far side of the substations and run it all the way back to the A47 on that side, and then cross Dudgeon substation landscaping to finally reach the National Grid connection point. Had the applicant built on Top Farm, they would only have had to cable HVAC cables for a much shorter distance.

Using Top Farm would also reduce the intrusion of infrastructure into the surrounding areas because it is much closer to the existing infrastructure..

The HVDC cable corridor could also have been shorter from Scarning to Top Farm, rather than from Scarning to Bradenham Farm and thence to Necton Farm, saving less transmission loss from HVDC but still substantial.

All these points beg the question: What is the real reason for placing the sites within Necton Farm?

It may be because the owner has proven (they thought) to be malleable to selling land as he sold it for Dudgeon.



As it stands, Top Farm will be damaged, Necton Farm will be practically sliced in two, and Bradenham Farm will also be severely damaged. It is all so badly planned that one

has to ask, if there is any chance of getting a truthful answer, 'Did Vattenfall choose the current site before consultation started, and did they therefore totally ignore local knowledge (as they did at Thanet extension, which was refused) and simply ride roughshod over the populace?'

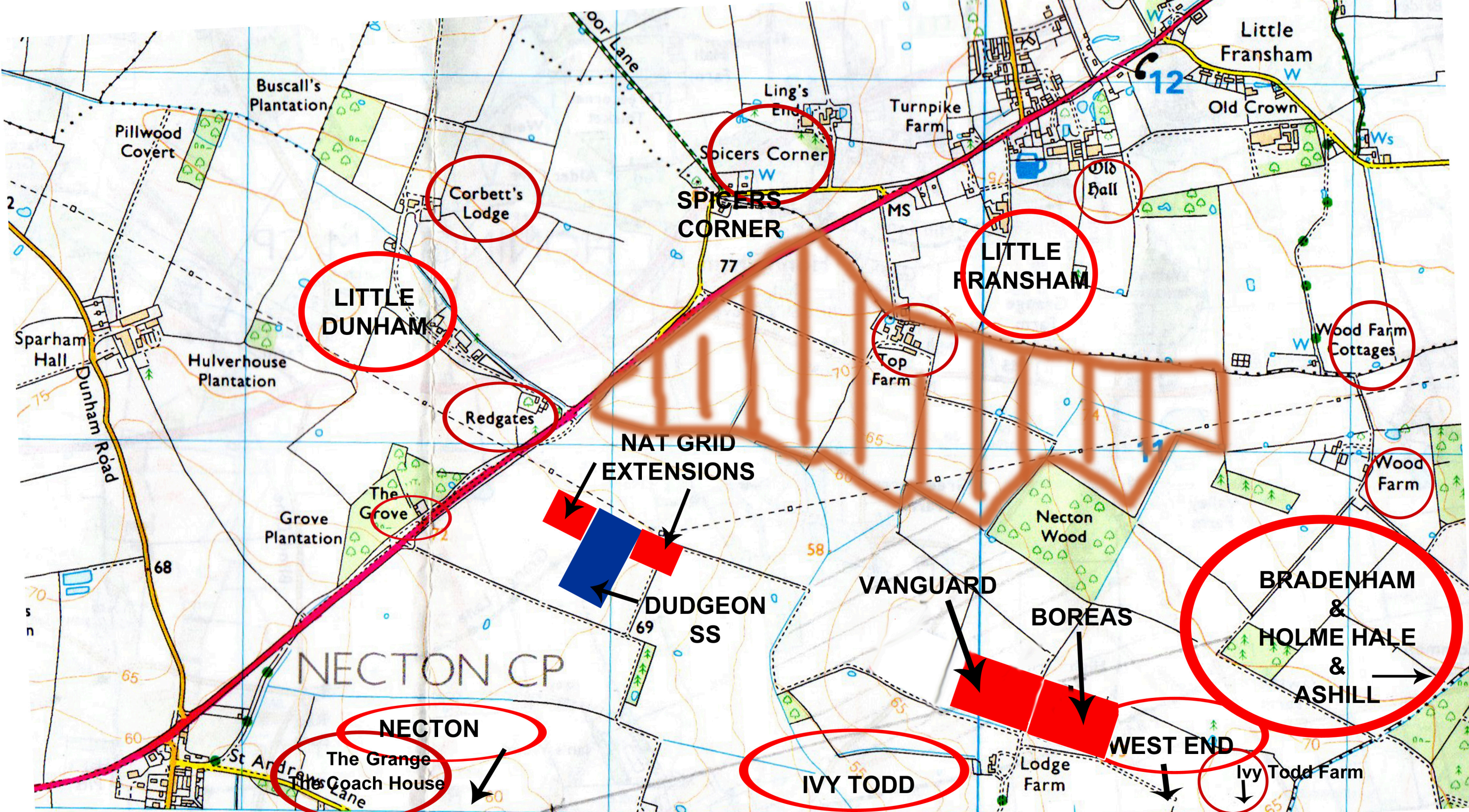
The other excuse touted by the applicant is that Top Hill would have been closer to residences than the current site.

Attached

'Top Farm and Sites' is self-explanatory.

It can be seen that the only residence closer to the Top Farm site than those closer to the preferred site, is Top Farm itself, the owner of which would accept the substations close to his residence.

NSAG



LITTLE DUNHAM

CORBETT'S LODGE

SPICERS CORNER

LITTLE FRANSHAM

REDGATES

NAT GRID EXTENSIONS

DUDGEON SS

VANGUARD

BOREAS

BRADENHAM & HOLME HALE & ASHILL

NECTON

**THE GRANGE
THE COACH HOUSE**

IVY TODD

WEST END

IVY TODD FARM