

Freephone: 0800 0194 576

ADDRESS BLOCK

XX June 2021

Dear Neighbour

National Grid IFA2 interconnector

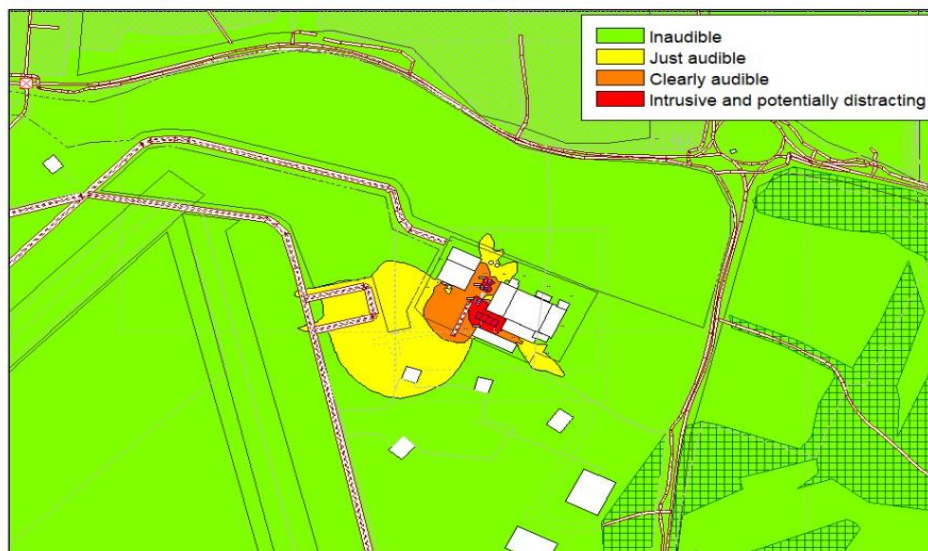
The IFA2 interconnector testing process is now complete and I am pleased to report that the Project has met or exceeded the conditions and standards required by the Planning Authority.

Testing and commissioning of the converter station took place between October 2020 and January 2021 to cover levels of noise, electromagnetic fields (EMF) and radio frequency interference (RFI). All tests were conducted and reviewed by independent specialists and agreed with Fareham Borough Council.

Noise measurements were conducted by Bureau Veritas. Monitoring stations were set up throughout 2018 and 2019 to gather noise data throughout the day and also during the night. Measurements were carried out in October and November 2020 as we brought the converter station to full power.

The results show that the station is quieter than expected; during a quiet night noise levels are around 10dB lower than background noise. Audible noise is contained well within the converter station site both night and day. The figure below shows the converter station (centre) and the range of audible noise emissions during the day. Noise levels will continue to be monitored for the first twelve operational months, as required by the Planning Conditions.

Figure 3.1: Range of Converter Station Audibility (day)



RFI measurements were conducted by LSAEM and reviewed by TUV-SUD, Fareham Borough Council's technical experts. The tests took place at the converter station in November 2020 covering the frequency ranges from 10 kHz to 6 GHz. Measurements were taken covering the following frequency bands:

- Aviation Systems: Aircraft VHF, DME, ATC and TCAS, NATS radars, Radar Altimeter
- Broadcast Services MF and HF, VHF, DAB radio, DTV
- Maritime VHF-FM communications
- Global Navigation Satellite System (GNSS), including GPS
- SATCOM , Emergency Radio Network frequencies
- 2G, 3G, 4G and 5G mobile phone networks
- Wireless Local Area Networks (WLAN) commonly used by drone/UAV) operators.

The measurements showed no significant emissions that would impact uses of the radio frequency spectrum in this band. There is an ongoing review process in place with the specialist consultancy TUV SUD to cover risk assessment for future developments.

EMF measurements were conducted by National Grid specialists with Airport representatives and reviewed by TUV SUD. The readings taken at multiple sites across the airfield were all below the maximum agreed level of 10 micro-Tesla. The changes in compass deviation are less than the 12 degree tolerance which had been agreed as acceptable.

Information about the Planning Conditions and the associated tests can be found on the Fareham Borough Council website. If you are interested in the detail please go to www.fareham.gov.uk/planning and use the National Grid IFA2 planning application reference: **P/16/0557** in the application search facility.

If you do not have access to the internet, please call Fareham Borough Council on: 01329 236100 to speak to the Planning Team and arrange an appointment to view documents.

IFA2 is successfully transferring low carbon electricity between the UK and France and thereby contributing towards this country's goal of net-zero carbon emissions by 2050. Its full capacity of 1000-megawatts is enough energy to power one million British homes. We would like to thank you very much for your patience and understanding during our construction phase.

Yours sincerely,



Onur Aydemir
National Grid IFA2