

## Electricity Ten Year Statement 2021

At the Open Floor Hearing on 17th January 2023, the ExA requested the existing circuit capacity south from Norwich Main and the forecast of demand shown in the Electricity Ten Year Statement.

The Electricity Ten Year Statement is published by National Grid ESO.

1. Circuit capacities are shown in Appendix B of the Electricity Ten Year Statement.

The existing pylon route from Norwich Main south towards Bramford in Suffolk is a double circuit.

The maximum circuit capacity is given in MVA (roughly the same as MW). Circuit capacity may be reduced by many factors but would not exceed the Rating value. National Grid publications suggest that allowance should be made for one circuit out of action due to a fault or planned maintenance.

The substation code for Norwich Main is NORM and the substation code for Bramford is BRFO.

Rows 81 and 82 of Appendix B, Section B-2-1c, show the following:

Node 1	Node 2	Length (km)	Winter Rating	Spring Rating	Summer Rating	Autumn Rating
BRFO41	NORM41	61.576	1590	1500	1346	1500
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2. The forecast of peak winter demand at each Grid Supply Point is shown in MW in Appendix G of the Electricity Ten Year Statement. The Norwich Main substation is a Grid Supply Point.

Row 676 of Appendix G shows the following:

Node	21/22	22/23	23/24	24/25	25/26	26/27	27/28	28/29
NORM40	289	288	289	291	299	307	324	341

3. In response to the ExA request at the Open Floor Hearing, Appendix B (Section B-2-1c only) and Appendix G of the Electricity Ten Year Statement 2021 are attached to this representation.