

PUBLIC INFORMATION

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Green Recovery Scheme Investment – Bramham (Wetherby Junction)

Project overview			
Project name	Bramham (Wetherby Junction)	Total investment (£)	£5.0m
Voltage	33kV	Location or relevant substation	Area around A1(M) Junction 46, LS22
Capacity released (MW)	TBC	Targeted completion	2023
Project description	Replacement of Bramham 33kV switchboard to enable a future substation at Wetherby. Enabling future capacity near to Wetherby Services, one of the regions busiest motorway service areas and unlocking potential for solar generation and future development of the surrounding areas.		

Northern Powergrid is investing £53m in vital local electricity networks as part of a national Green Recovery Scheme that aims to accelerate green-growth projects and stimulate the economy. A total of 14 projects in 17 locations across our region are set to benefit.

We have now completed the detailed design work required for each of the 14 projects and following final approval, work on the Bramham (Wetherby Junction) project is underway. From this point onwards, any relevant new connections offers that are issued will factor in the capacity made available through the Green Recovery Scheme, meaning that applicants could benefit from significantly cheaper connections costs.

This document provides potential applicants with an overview of the project and the information required to apply for a new connection.

For more information on the Green Recovery Scheme visit our website northernpowergrid.com/green-recovery or email greenrecovery@northernpowergrid.com

Project specification

As part of the Project Rapid report commissioned for the Department of Transport, the expected load growth at the Wetherby motorway service area (MSA) due to electric vehicle (EV) growth, will reach 5.5MW by 2030; 13MW by 2035 and 33MW by 2050.

Various options were considered to create the capacity required at Wetherby MSA. The option submitted to Ofgem for the Green Recovery Scheme includes two phases:

- Phase one: replacement of the 33kV switchboard at Bramham to allow for new feeders and the utilisation of the remaining firm capacity available.
- Phase two: construction of a new Wetherby 33/11kV primary substation to create the required network capacity, supplied via a double 33kV underground cable circuit from Bramham.

Ofgem approved funding for phase one through the Green Recovery Scheme. Phase two will become part of Northern Powergrid's RIIO-ED2 submission and is not part of the works described in this specification.

There are no spare 33kV feeder circuit breakers currently available at Bramham. The current Bramham 33kV switchboard is deemed obsolete due to its age and non-availability of parts. It would require replacement to provide spare ways to allow the utilisation of the remaining firm capacity available at Bramham and to provide capacity in the Wetherby area, especially around the A1(M) Junction 46.

To accommodate any further large connections (demand and generation) and ones that could be used to supply any future primary substations within the area, it is proposed to include additional feeder circuit breakers as spare, while the work to replace the 33kV switchboard at Bramham is carried out. The aerial view below shows the location of Bramham supply point. The site is mainly surrounded by open spaces and fields and can be accessed from both sides of Warren Lane.

