

**PUBLIC INFORMATION**

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**Green Recovery Scheme Investment – Durham Junction (Services)**

<b>Project overview</b>			
<b>Project name</b>	Durham Junction (Services)	<b>Total investment (£)</b>	£4.6m
<b>Voltage</b>	20kV	<b>Location or relevant substation</b>	Area around A1(M) Junction 61, DH6
<b>Capacity released (MW)</b>	20MW	<b>Targeted completion</b>	2023
<b>Project description</b>	Creates additional capacity for demand and generation. The project specifically targets the future demand projections of Project Rapid and creates capacity near to the local motorway service area.		

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 Durham Junction (Services) project is now 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 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](https://northernpowergrid.com/green-recovery) or email [greenrecovery@northernpowergrid.com](mailto:greenrecovery@northernpowergrid.com).

## Project specification

The existing motorway service area (MSA) at Bowburn, County Durham has been identified as a site for rapid vehicle charging under the Government's Project Rapid. The local area is also experiencing wider economic development.

Project Rapid included a high-level feasibility study of the barriers to electric vehicle (EV) charging roll-out at MSA's and considered optimal solutions to 2040. The distribution network needs to be ready to meet the long-term consumer demand for EV charging points ahead of need.

The existing EHV network in the local area has sufficient capacity to accommodate the developments with EVs and wider economic growth, however, the existing 20kV infrastructure is a barrier to releasing the EHV capacity headroom.

We plan to upgrade the nearby Spennymoor 66/20kV substation to support the local developments. To release this capacity we will replace the 20kV switchboard and install additional feeder circuit breakers (with capacity for future expansion should that be needed, to enable future connections) and reinforce the local 20kV networks with three additional 20kV circuits. These upgrades will release up to 20MVA onto the local 20kV network, which will facilitate the connection of future demand and generation projects.

