



Statement of Works

Guidance Document

Statement of Works

Who are we and what is our role?

Western Power Distribution (WPD) is the electricity distribution company which distributes electricity to 7.8 million customers across a 55,300 square kilometre service area, covering the Midlands, South Wales and the South West.

As your Distribution Network Operator (DNO) we are responsible for the safety and maintenance of the distribution system as well as facilitating new connections. WPD is committed to providing a safe and reliable electricity supply to all our customers and need to ensure that any new connection to the network will not affect our ability to fulfil these obligations.

Who is NGET and what is their role?

National Grid Electricity Transmission (NGET) owns and maintains the national electricity transmission system (NETS) in England and Wales that enables the flow of electricity through to the regional distribution systems. They are also responsible for balancing the system ensuring that generation output matches demand throughout the day, and that voltage and frequency are kept within acceptable limits.

What is Statement of Works?

Generators wishing to connect to WPD's distribution system may have an impact on the NETS. WPD is required (under the Connection and Use of System Code) to make a request for a Statement of Works (SoW) to NGET in relation to the potential impact of generation connections on the NETS.

Due to the cumulative impact of connecting large volumes of new generation to the distribution system and the lengthy SoW process, a new trial SoW process is currently in place, known as the 'Appendix G trial'. WPD has been instrumental in trailing this new process and the first DNO to have an Appendix G in place. The introduction of the Appendix G has reduced the time customers have to wait for the outcome of the process from around four months to six weeks.



Appendix G Trial

As part of a trial change to the SoW process, WPD provides NGET a list of relevant embedded generation connected beneath each Grid Supply Point (GSP).

This contains the list of connected generation sites and those committed to connect, including size and technology. This list is the 'Appendix G' and is attached to our formal agreement with NGET at each GSP and can be viewed in summary on our website.

Part 1 - Contains previously connected sites where general Site Specific requirements do not apply.

Part 2 - Contains Connections where Site Specific requirements apply.

Part 3 - Contains Connections that are subject to interim restrictions and Site Specific requirements also apply.

Part 4 - Contains Committed Connections that will not be able to connect until works on NETS are complete.

Part 5 - Provides aggregated capacity of Sites in Part 1 to 4. It also provides an indication of any additional capacity that may be available on NETS. The available capacity is described by two terms, Materiality Headroom and Fault Level Headroom. Allocation of such capacity is dependant on a monthly submission and approval process under this trial.

If there is sufficient Materiality Headroom and Fault Level Headroom WPD will submit your scheme to NGET via a monthly Appendix G update. When the Appendix G is approved by NGET we will inform you of the outcome and advise if any modification to your connection offer is required. Please see SOW process flow diagram for typical timescales.

When the volume of accepted generation connections exceeds the Materiality Headroom or Fault Level Headroom at a GSP, WPD will need to make an application to NGET to identify if any works are required on the NETS. Depending on the complexity of the studies this will prompt either a Project Progression or Modification Application. Customers who trigger this process will be required to fund the fee applied by NGET for the application and will need to wait for the outcome of NGET's assessment. The Project Progression / Modification Application fee will range from £7,500 to £28,000.

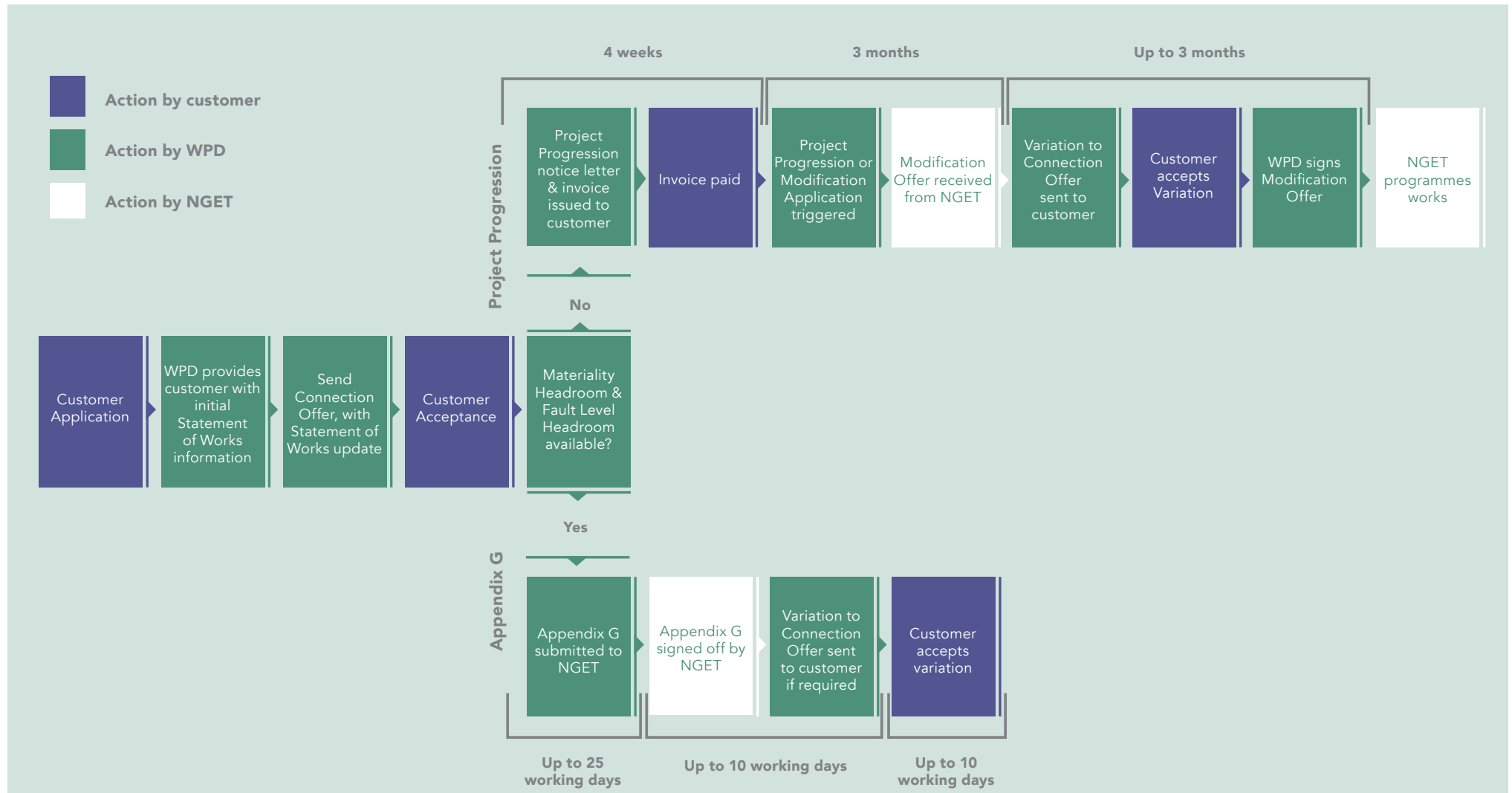
NGET will provide a response within three months of receiving an application from WPD. When WPD receives the outcome of the application, we will write to you to inform you about any potential implications, fees and amendments to your connection offer. All GSP's currently going through a Project Progression will be listed on our web site along with anticipated dates of when we will know the outcome.

Materiality Headroom is that additional MW capacity that might be available for further generation connections to the GSP.

Fault Level Headroom is that amount of additional fault level that might be available for further generation connections to contribute to the GSP.

For further help please contact wpdsow@westernpower.co.uk

SoW Process



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