Connection Site: **Grendon 132 kV substation**

Part 5 - Materiality & Wider System Limits

The following table sets out the indicative additional Developer Capacity as Materiality Headroom that the User can use as guidance for managing any future Relevant Embedded Power Station applications.

Capacity Limit Summary		
Category of Connection	**MW**	
Part 1	see summary table	Historic connections (No additions to this section)
Part 2	see summary table	Connections subject to technical conditions
Part 3	see summary table	Subject to interim restrictions on availability and subject to technical conditions
Part 4	see summary table	Generation that can only connect on completion of works to transmission system and subject to technical conditions
Part 5 **Materiality Headroom**	see summary table	This figure will reduce as Developer Capacity is allocated or increase if projects cancel or disconnect. However, There is no guarantee or assurance that the capacity included in Part 5 will be available or that plant will be able to connect using it.
Total Aggregated Developer Capacity at the site must not exceed this figure.	see summary table	**This figure cannot be changed or exceeded without submission of either a Modification Application, Project Progression or Statement of Works**
Technical Condition Summary		
Connection Asset Reverse Power Limits (Usually the SGT at the site, where that SGT is classified as connection)	N/A	N/A
Fault Level headroom	see summary table	CB 150 peak break capability limits subject to restrictions specified in the Comments/Constraints or Additional Restrictions section below.

Voltage	See Note	Voltages conditions apply to new generation projects.
Generator Technology	160.00 MVA (for PV)	There is a limit on technology change within this GSP Materiality limit. 160.00 MVA capacity can only be allocated to Photovoltaic distributed generators and should not be swapped with other fuel type without NGET's approval.
Comments/Constraints or Additional Restrictions: The fault level headroom quoted above is **only** applicable for a vertical/section split running arrangement of Grendon 132 kV substation, i.e. CB 120 and disconnector 169 open and couplers 130 and 230 closed. For any other running arrangement, fault levels should be assessed in operational timescales and appropriate action taken to bring the fault levels within the circuit breaker ratings.		
Transferable Capacity (see note below)	**0 MW**	**GSP's:** N/A – MITS capacity not limiting this GSP.