

Connection Site:

Cardiff East 132kV 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 as
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	240 MVA	Where facilities exist, such as an ANM scheme, to curtail generation in the event of a SGT circuit fault this limit can be raised.
Fault Level headroom	see summary table	CB 280RMS break capability limits
Voltage	See Note	Voltages conditions apply to new generation projects.

Generator Technology	See Note	The materiality headroom allocated at this GSP will allow the connection of PV or wind generation. No additional thermal generation or storage can connect above what is listed in this Appendix.
<p>Comments/Constraints or Additional Restrictions:</p> <p>The materiality headroom allocated at this GSP will allow the connection of PV or wind generation without constraint. Further thermal generation and/or storage will not be able to connect above those levels in this Appendix and a Modification Application must be submitted to assess the works required to connect this additional capacity.</p>		
Transferable Capacity (see note below)	50 MW	GSP's: Aberthaw 20 MW transferred to Aberthaw

