

WPD South Wales Site Specific Technical Conditions

GSP	Appendix G	Power Factor Range	Emergency Disconnection	SGT ANM	Thermal Constraint
Aberthaw 132kV	Y	Y	Y	N	Y
Cardiff East 132kV	Y	Y	Y	N	Y
Grange 66kV	Y	Y	Y	N	Y
Pembroke 132kV	Y	Y	Y	N	Y
Pyle 132kV	Y	Y	Y	Y	Y
Rassau 132kV	Y	Y	Y	Y	Y
Swansea North 132kV	Y	Y	Y	Y	Y
Upper Boat 33kV	Y	Y	Y	Y	Y
Upper Boat 132kV	Y	Y	Y	N	Y
Uskmouth 132kV	Y	Y	Y	N	Y
		<i>In order to allow WPD to contain voltage within acceptable limits at the National Electricity Transmission System (NETS)/ Distribution System interface, the Customer must ensure that the generators (>=1MW) have the capability to operate between 0.95 leading and 0.95 lagging power factor. Customers will be advised of the target Power Factor within this range.</i>	<i>National Grid Electricity Transmission (NGET) has instructed that WPD shall maintain a facility such that under emergency conditions on the National Electricity Transmission System (NETS), WPD shall have the ability to de-energise embedded generation (>=1MW) upon instruction from NGET.</i>	<i>The Customer's generation will be included in the SGT Active Network Management Scheme (ANM) .The SGT ANM will automatically curtail the output of the Customer's generation in order to control power flow in reverse direction through the Supergrid Transformers (SGTs) at this Grid Supply Point</i>	<i>WPD has previously submitted a Statement of Works (SoW) request to National Grid Electricity Transmission (NGET) for other generation schemes in South Wales. This process has highlighted that thermal generation and/or storage will be prevented from connection until further works are completed. The assessment of these further works will require WPD to make a new Modification Application to NGET.</i>