Flexible Connections Offered

Quicker and more flexible connection arrangements currently include:

1. Non-Firm connections; overload intertrip scheme allowing for the removal of a generator in the event of pre-determined network thermal limit being reached. Applicable to 33kV & 11kV connections.

2. Export Restricted connections; using export management devices, commissioned against a pre-determined export limit and managed by customers export limiting device.

3. Active Network Management (ANM); provision of dynamic export limits derived from network owned active management equipment.

Definitions

Non-Firm

For areas of network where a known thermal network constraint is identified during abnormal network running conditions (N-1), connecting customers can request Non-Firm assess to the network in the form of an overload intertrip scheme.

Export Restricted

For customers wishing to connect at Low Voltage, where known wider system constraints restrict full export to the network. Using a pre-determined export limit, customers can chose to either curtail or self-balance embedded generation and load so as not to exceed the maximum export limit.

Active Network Management

Refers to the provision of a supervisory control scheme to manage network constraints in near real time. The ANM system is designed to control multiple generators against multiple network constraints, governed under LIFO (Last in First off). Also for smaller sub 100kW sites, ANM can be hosted decentralised, typically at the generators exist point to the system and provide a dynamic local export limit based on local network conditions. An enhancement to Export Restricted arrangements where network export limits can vary between 0kW and full rating to generation plant.

Further Information Available From

http://www.spenergynetworks.co.uk/pages/distributed_generation_work_programme.asp
http://www.spenergynetworks.co.uk/pages/arc_accelerating_renewable_connections.asp