

Station Name: Duncansby Tidal Stream Generation

Connection Site/GSP: Gills Bay 132kV substation

Company Name: ScottishPower Renewables (UK) Ltd

MITs Substations: Dounreay

Derogation Report Ref: 11-DR-1137-B1-Rev1

**Part 1: Technical Description of Non Compliance** *[To be completed by the relevant Transmission Owner.]*

Relevant Paragraph(s) of NETS Security and Quality of Supply Standard	Cause	Part of System Affected	Initial Conditions		Interim Operational Solution	Long Term Solution, to include brief description of access requirements.	Derogation Expiry Date
			System Intact	Circuit Outage			
NETS SQSS Section 4 Clauses 4.4 – 4.10	<p>Trip of Blackhillock - Knocknagael/Beauly /Knocknagael double circuit lines. (pre-Beauly/Denny)</p> <p>Trip of Fort Augustus - Errochty single circuit (pre-Beauly/Denny)</p> <p>Trip of Beauly-Knocknagael double circuit line (post Beauly Denny)</p>	<p>Overload of Fort Augustus - Errochty double circuit line</p> <p>Overload of remaining Fort Augustus – Errochty single circuit</p> <p>Overload of Beauly 275/132kV SGTs</p>	<p>System intact at ACS peak demand</p> <p>System conditions expected to arise in the course of a year</p>	<p>None</p> <p>Typical planned outage pattern</p>	NETSO operational measures in operational timescales in accordance with Section 5 of the NETS SQSS	<p>SHETL to develop and construct the following transmission reinforcements:</p> <p>1. SHETL-RI-026: Blackhillock QBs</p> <p><i>Completion dates subject to consents and regulatory approval</i></p>	<p>Derogation is sought until completion of listed long-term reinforcement solutions.</p> <p>Derogation triggered by advancing generator connections via connect and manage arrangements</p>

**See 2010 Seven Year Statement Figure C.1.6 –  
“SHETL Forecast Power Flows at Winter Peak,  
2015/16” for network configuration**

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**Part 2: Expected Consequence of Non -Compliance.** *[To be completed by the System Operator, with reference to appropriate Transmission Owner.]*

Value of Carbon Benefit (£k), (including time period over which cost benefit is calculated).	
Summary of proposed System Operator actions to manage non- compliance. <i>To include:</i> <i>pricing assumptions.</i> <i>Description of diversity within the</i> <i>group (not to include reference to</i> <i>particular projects)</i> <i>User agreements for services such</i> <i>as energy management or intertrips.</i> <i>Contribution of project to wider non</i> <i>compliance at boundary level.</i>	
Estimated range of costs to manage non compliance (£k). To include time period over which costs are assessed.	
Description of risk due to network non compliance. e.g. constraint increase due to project delay	