

SSEN Distribution - Draft Determination EJP Response						
Name of Scheme	Kilninver Primary Substation P2 Compliance Reinforcements					
Primary Investment Driver	Load – P2 Compliance					
Scheme reference	78/SHEPD/LRE/KILNINVER					
Reporting Table	CV1: Primary Reinforcement					
Ofgem EJP Comments	The needs case is considered justified and good optioneering is presented. However there is a risk related to the outturn DFES which would defer the requirement of this investment. Overall partially justified.					
	Final Business Plan Submission			Latest Position (July 2022)		
Need Case	P2 compliance issue at Kilninver primary substation.			P2 compliance issue at Kilninver primary substation.		
Demand Forecasts	See attached.			See attached.		
Connections	Contracted demand is included within DFES forecasts.			No change since submission.		
Stakeholder Impact	Developments of Argyll and Bute LA are included in DFES figures.			No additional stakeholder input since Final BP submission.		
Preferred Option	Option 2 - Additional Transformer, 33kV OHL line & 11kV Cable			Option 2 - Additional Transformer, 33kV OHL line & 11kV Cable		
Output reference/type	33kV UG Cable (Non-Pressurised) 33kV OHL (Pole Line) Conductor 33kV Pole 33kV CB (Air Insulated Busbars) (OD) (GM) 33kV CB (Gas Insulated Busbars) (ID)(GM) 33kV Switch (PM) 33kV Transformer (GM) 6.6/11kV Transformer (GM) 6.6/11kV CB (GM) Primary 6.6/11kV Switch (PM) 6.6/11kV OHL (Conventional Conductor) 6.6/11kV Poles 6.6/11kV UG Cable			33kV UG Cable (Non-Pressurised) 33kV OHL (Pole Line) Conductor 33kV Pole 33kV CB (Air Insulated Busbars) (OD) (GM) 33kV CB (Gas Insulated Busbars) (ID)(GM) 33kV Switch (PM) 33kV Transformer (GM) 6.6/11kV Transformer (GM) 6.6/11kV CB (GM) Primary 6.6/11kV Switch (PM) 6.6/11kV OHL (Conventional Conductor) 6.6/11kV Poles 6.6/11kV UG Cable		
Cost	£3.44m			£3.44m		
Delivery year	2027/28			2027/28		
Outputs included in RIIO ED1 Business Plan	No			No		
Spend apportionment £m	ED1	ED2	ED3+	ED1	ED2	ED3+
	0	£3.44m	0	0	£3.44m	0
Deliverability & Risk	No change, however, delivery may be brought forward dependent on optimisation of delivery schedule.					
Summary	<p>Kilninver Primary substation is currently P2 non-compliant however derogated under the agreed SHEPD standards of voltage and security of supply.</p> <p>As the driver for this scheme is already evident, increase in demand outturn only worsens the situation. The demand at Kilninver has slightly reduced since BP submission, however, the need is still there due to demand exceeding 1MW and insufficient back-</p>					

	<p>feed arrangements. There are also 186 LMA customers connected to Kilniver which are expected to lead to a 0.6MW increase on substation demand if customer LMA restrictions are lifted.</p> <p>It is proposed that this scheme is moved from partially to fully justified as P2 compliance driver is apparent despite demand outturn. The risk of asset overloading on the 11kV network, under normal operation, is also possible should the impact from LMA customers occur as expected and the investment as set out in this EJP is not carried out.</p> <p>We request that Ofgem re-considers its assessment of this scheme with a view to supporting its full justification for inclusion in our ED2 Business Plan</p>
Relevant Attachments	78_SHEPD_LRE_KILNIVER – Actuals and Forecasts.xlsx