



AQUIND Limited

AQUIND INTERCONNECTOR

Environmental Statement – Volume 3 – Appendix 2.4 Summary of Onshore Cable Route Alternatives

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Regulation 5(2)(a)

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

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APPENDIX 2.4 SUMMARY OF ONSHORE CABLE ROUTE ALTERNATIVES

Table 1 - Summary of Cable Route Alternatives

	Route 1A	Route 1B	Route 1C	Route 1D	Route 2A	Route 2B	Route 2C	Route 3B	Route 3D
Route Status	Abandoned	Short Listed	Short Listed	Short Listed	Abandoned	Abandoned	Abandoned	Abandoned	Preferred
Total Length of Route (km)	33.4	36.6	35.9	35.2	19.7	22.2	22.6	20.5	18.6
HDD number	6	8	8	10	3	5	3	2	3
HDD length (km)	1	1	1	1.1	2	2.8	2.8	1.3	1.45
Illustrative cost (£M)	101.2	110.8	108.7	106.7	61.1	69.4	70.6	62.8	57.25

	Route 1A	Route 1B	Route 1C	Route 1D	Route 2A	Route 2B	Route 2C	Route 3B	Route 3D
Key Engineering Challenges		Bosham Station (1B-HDD4) restricted land availability for HDD setup.			Chichester and Langstone Harbours (2AHDD1) A long HDD in an environmentally highly protected area.	Chichester and Langstone Harbours (2AHDD1) A long HDD in an environmentally highly protected area. A3(M) Crossing at Portsdown Hill Road Bridge (2B/C-HDD4). restricted land availability for HDD setup, A3(M)	Chichester and Langstone Harbours (2AHDD1) A long HDD in an environmentally highly protected area. A3(M) Crossing at Portsdown Hill Road Bridge (2B/C-HDD4). restricted land availability for HDD setup, A3(M)	Langstone Harbour a heavily protected; they are wetlands of international importance, SPA, SSSI and SAC. Soake Road to Lovedean the last 2.0km of the route is via an extremely narrow and it is not possible to place the cable within the footprint	Soake Road to Lovedean the last 2.0km of the route is via an extremely narrow and it is not possible to place the cable within the footprint of the road. Route needs to be diverted through a

	Route 1A	Route 1B	Route 1C	Route 1D	Route 2A	Route 2B	Route 2C	Route 3B	Route 3D
						located in a 20m deep cutting.	located in a 20m deep cutting.	of the road. Route needs to be diverted through a number of fields.	number of fields.
Key Environmental Challenges	<p>Slipper Mill pond designated protected area and nature reserves</p> <p>Ancient woodland within 150m of the route.</p> <p>Chichester Harbour</p>	<p>Ancient woodland on the B2149.</p> <p>Chichester Harbour Area of Outstanding Natural Beauty.</p>	<p>Ancient woodland on the B2149.</p> <p>Chichester Harbour Area of Outstanding Natural</p>	<p>Ancient woodland on the B2149.</p> <p>Chichester Harbour Area of Outstanding Natural</p>	<p>Chichester and Langstone Harbours are heavily protected; they are wetlands of international importance, SPA, SSSI and SAC.</p> <p>Ancient woodland</p>	<p>Chichester and Langstone Harbours are heavily protected; they are wetlands of international importance, SPA, SSSI and SAC.</p> <p>Fort Purbrook a scheduled</p>	<p>Chichester and Langstone Harbours are heavily protected; they are wetlands of international importance, SPA, SSSI and SAC.</p>	<p>Langstone Harbour a heavily protected; they are wetlands of international importance, SPA, SSSI and SAC.</p> <p>Farlington Marshes are heavily protected; they are wetlands of international</p>	<p>Langstone Harbour a heavily protected; they are wetlands of international importance, SPA, SSSI and SAC.</p> <p>Farlington Marshes</p>

	Route 1A	Route 1B	Route 1C	Route 1D	Route 2A	Route 2B	Route 2C	Route 3B	Route 3D
	<p>Area of Outstanding Natural Beauty.</p> <p>Fishbourne Roman Site a scheduled monument adjacent to the route</p>	<p>Fishbourne Roman Site a scheduled monument adjacent to the route</p>	<p>Beauty .</p> <p>Fishbourne Roman Site a scheduled monument adjacent to the route</p>	<p>Beauty .</p> <p>Fishbourne Roman Site a scheduled monument adjacent to the route</p>	<p>on the B2149.</p>	<p>monument adjacent to the route.</p>		<p>importance, SPA, SSSI and SAC.</p> <p>Pickett Hamilton Fort a scheduled monument located within 50m</p>	<p>are heavily protected ; they are wetlands of international importance, SPA, SSSI and SAC.</p> <p>Pickett Hamilton Fort a scheduled monument located within 50m</p>

	Route 1A	Route 1B	Route 1C	Route 1D	Route 2A	Route 2B	Route 2C	Route 3B	Route 3D
Showstopper	Route unable to cross Slipper Mill Pond , a designated protected area and nature reserve.				Unable to cross Chichester and Langstone Harbours (2AHDD1).	Unable to cross Chichester and Langstone Harbours (2AHDD1). Unable to cross A3(M) crossing at Portsdown Hill Road Bridge (2B/C-HDD4).	Unable to cross Chichester and Langstone Harbours (2AHDD1). Unable to cross A3(M) crossing at Portsdown Hill Road Bridge (2B/C-HDD4).	Route diversion no longer required.	
No. LPAs along route	3	3	3	3	2	4	3	4	4
Length of Route within Road (km)	33.4	36.6	35.9	35.2	19.7	22.2	22.6	18.5	16.6

	Route 1A	Route 1B	Route 1C	Route 1D	Route 2A	Route 2B	Route 2C	Route 3B	Route 3D
Length of Route within Private Land (km)	0	0	0	3.24	0	0	0	2.0	2.0

