



Rampion Offshore Wind Farm



ES Section 26 – Landscape & Visual Impact Figures 26.6 – 26.7

RSK Environmental Ltd

Document 6.2.26ii

December 2012

APFP Regulation 5(2)(a)

Revision A

E.ON Climate & Renewables UK Rampion Offshore Wind Limited

Species mix selection

Following a review of the Phase 1 Habitat Survey and the West Sussex County Council Landscape Management Guidelines, woodland type 'NVC W8 Fraxinus excelsior - Acer campestre - Mercurialis perennis woodland ' is found throughout the local woodlands, and is therefore considered appropriate as the basis for the planting mix at the proposed development site.

The proposed tree and shrub mixes listed below incorporate species specified within this woodland type, as well as those found near to the proposed development site. In addition, they are also considered appropriate for the local landscape character and prevailing site conditions.

Proposed native shrub edge mix

- Acer campestre 5%
- Alnus glutinosa 5%
- Corylus avellana 5%
- Crataegus monogyna 60%
- Malus sylvestris 2%
- Prunus padus 1%
- Prunus spinosa 20%
- Cornus alba 1%
- Viburnum Opulus 1%

Proposed native woodland mix

- Acer campestre 10%
- Corylus avellana 22.5%
- Crataegus monogyna 27%
- Fraxinus excelsior 3%
- Prunus spinosa 17%
- Quercus robur 2.5%
- Cornus alba 1%
- Salix cinerea 7.5%
- Salix caprea 7.5%
- Viburnum opulus 2%

Proposed native cable route mix

- Crataegus monogyna 70%
- Prunus spinosa 30%

Multi-age tree stock

Planting will comprise native species, planted as transplants and/or whips, with a concentration of larger feathered and standard to semi mature trees (where appropriate) to provide immediate landscape structure and some instant screening effect. The use of such planting would also enable achievement of a robust visual screen within approximately 8-10 years.

Proposed woodland supplementation

The existing narrow belt of woodland, consists of both deciduous and coniferous mature trees. The woodland will be supplemented along it's southern edge with the proposed native woodland and shrub edge mix which, once established, will contribute towards the screening of views into the site from the north. The proposed planting along this boundary will also help to integrate the proposed development into the landscape.

Proposed woodland with shrub edge to the north and south of the site

The planting of these small parcels of land will reinforce the screening of the proposed development from key views highlighted in the visual assessment from the north and south, but also embody the existing local landscape character. Small woodlands are a common feature within this landscape, and the supplementation of this space with trees would enhance this characteristic element.

Planting over the cable route

In accordance with National Grid guidelines, no tree species are to be planted within 6m of the centreline of existing or proposed underground cables or high-pressure gas pipelines in accordance with National Grid guidelines. Only shallow rooting hedgerow species will be planted directly above for visual screening purposes, see the proposed cable route mix.

Tree planting exclusion zone

To ensure that future safety problems will not occur and to reduce the need for significant ongoing tree management works, National Grid recommends that only low height and slow growing species are utilised in areas beneath overhead line conductors. Similarly, when planting is proposed very near pylons consideration should be given to the need to maintain access to the pylon base and allow overhead line maintenance to take place safely and without causing damage to existing habitats and landscapes. In addition to this guidance, a minimum clearance of 6 metres will be applied to all trees 'able to support a ladder.'

Ecological benefits

The planting along the southern boundary will also provide connectivity for the Great Crested Newt community, creating a linkage between a mega pond located in the woodland to the west of Twineham Court Farm, and the smaller ponds located to the east of the substation footprint.

Site location plan (NTS)



Key

- Existing vegetation
- Proposed shrub edge mix
- Proposed cable route mix
- Proposed native woodland mix
- Proposed larger feathered and standard to semi mature trees
- Proposed cable route
- Proposed substation

01	251012	Updated landscape mitigation planting. Updated substation layout and cable route.	EB	CF	KB
Rev.	Date	Amendment	Drawn	Chkd.	Appd.

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Project Title
E.ON Climate and Renewables Rampion Offshore Wind Farm Substation LVIA

Drawing Title
Landscape Mitigation Proposals Figure 26.6

Drawn	Date	Checked	Date	Approved	Date
EB	09.03.12	CF	10.03.12	KB	10.03.12
Scale	Orig Size		Dimensions		
1:2000	A3		DIMS		
Drawing No.					Rev.
RSK\MP41318\03\01\02\02					01

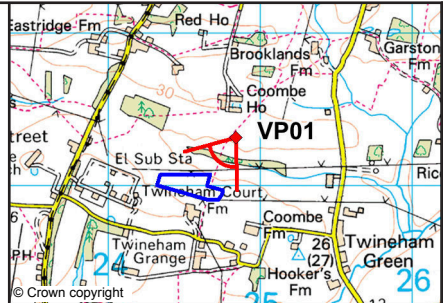
Existing view from VP01



180(South) 190 200 210 220 230 240 250



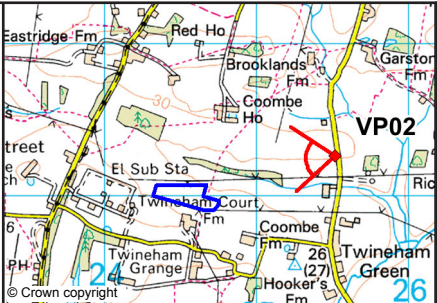
Photomontage View from VP01

	Viewpoint Title : Public Right of Way, South of Coombe House NGR : 524837, 121318 Direction of View : 218° Included Angle of View : 75° Elevation : 20m	Distance to Site Boundary : 300m Date of Photograph : 1st February 2012 Time of Photograph : 10:06 Camera Height above ground : 1.6m Correct Viewing Distance : 30cm		Figure 26.7 Viewpoint 1: Existing & Photomontage View Rampion Offshore Wind Farm
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File Reference: P41318/03 Illustrator Files/VP02_Ext.ai Rev:01

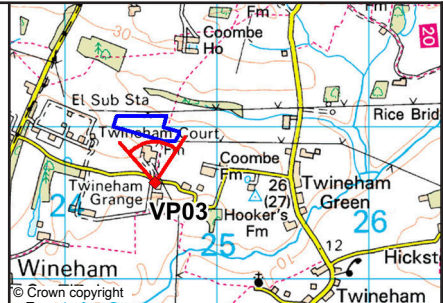
Existing View from VP02

	Viewpoint Title : Bolney Chapel Road NGR : 525518, 121264 Direction of View : 268° Included Angle of View : 75° Elevation : 17m	Distance to Site Boundary : 0.8km Date of Photograph : 1st February 2012 Time of Photograph : 10:20 Camera Height above ground : 1.6m Correct Viewing Distance : 30cm		Figure 26.7 Viewpoint 2: Existing View
				Rampion Offshore Wind Farm

Existing view from VP03



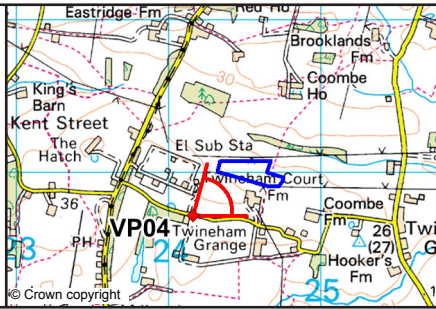
Photomontage View from VP03

	Viewpoint Title : Twineham Grange Cottages, Bob Lane NGR : 524592, 120633 Direction of View : 358° Included Angle of View : 75° Elevation : 25m	Distance to Site Boundary : 280m Date of Photograph : 1st February 2012 Time of Photograph : 10:20 Camera Height above ground : 1.6m Correct Viewing Distance : 30cm		Figure 26.7 Viewpoint 3: Existing & Photomontage View Rampion Offshore Wind Farm
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File Reference: P41318/03 Illustrator Files/VP04_Ext.ai Rev:01

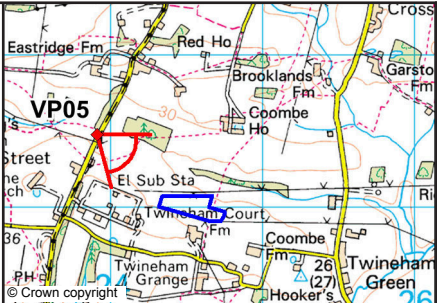
Existing View from VP04

	Viewpoint Title : Adjacent to North Lodge, Bob Lane		Distance to Site Boundary : 0.3km		Figure 26.7 Viewpoint 4: Existing View
	NGR : 524158, 120716		Date of Photograph : 1st February 2012		
	Direction of View : 53°		Time of Photograph : 11:30		
	Included Angle of View : 75°		Camera Height above ground : 1.6m		
	Elevation : 28m		Correct Viewing Distance : 30cm		
					Rampion Offshore Wind Farm

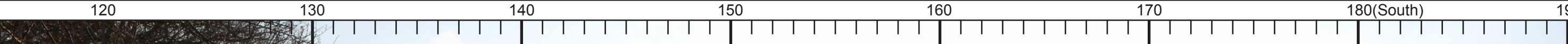


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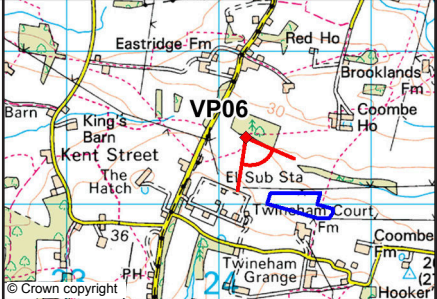
Existing View from VP05

	Viewpoint Title : Public Right of Way, Wineham Lane		
	NGR : 523913, 121477	Distance to Site Boundary : 590m	
	Direction of View : 128°	Date of Photograph : 1st February 2012	Figure 26.7 Viewpoint 5: Existing View
	Included Angle of View : 75°	Time of Photograph : 11:40	
	Elevation : 32m	Camera Height above ground : 1.6m	Rampion Offshore Wind Farm
		Correct Viewing Distance : 30cm	

Existing view from VP06



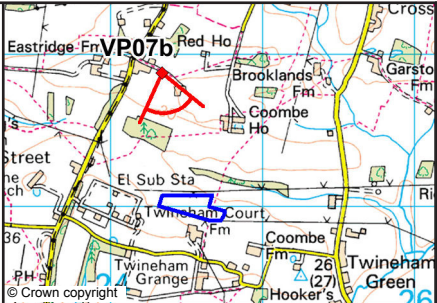
Photomontage View from VP06

	Viewpoint Title : Public Right of Way, Priorsbush NGR : 524177, 121437 Direction of View : 153° Included Angle of View : 75° Elevation : 30m	Distance to Site Boundary : 400m Date of Photograph : 1st February 2012 Time of Photograph : 12:00 Camera Height above ground : 1.6m Correct Viewing Distance : 30cm		Figure 26.7 Viewpoint 6: Existing & Photomontage View
				Rampion Offshore Wind Farm



File Reference: P41318103 Illustrator Files/VP07b_Extal Rev01

Existing View from VP07

	Viewpoint Title : Nyeshill Farm, Wineham Lane NGR : 524338, 121878 Direction of View : 168° Included Angle of View : 75° Elevation : 40m	Distance to Site Boundary : 810m Date of Photograph : 1st February 2012 Time of Photograph : 08:45 Camera Height above ground : 1.6m Correct Viewing Distance : 30cm		Figure 26.7 Viewpoint 7: Existing View
				Rampion Offshore Wind Farm



Existing View from VP08



Viewpoint Title : PROW adjacent to Kings,
Kent Street
NGR : 523039, 121659
Direction of View : 103°
Included Angle of View : 75°
Elevation : 17m

Distance to Site Boundary : 1.4km
Date of Photograph : 1st February 2012
Time of Photograph : 12:30
Camera Height above ground : 1.6m
Correct Viewing Distance : 30cm

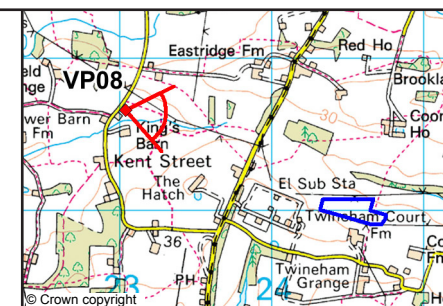
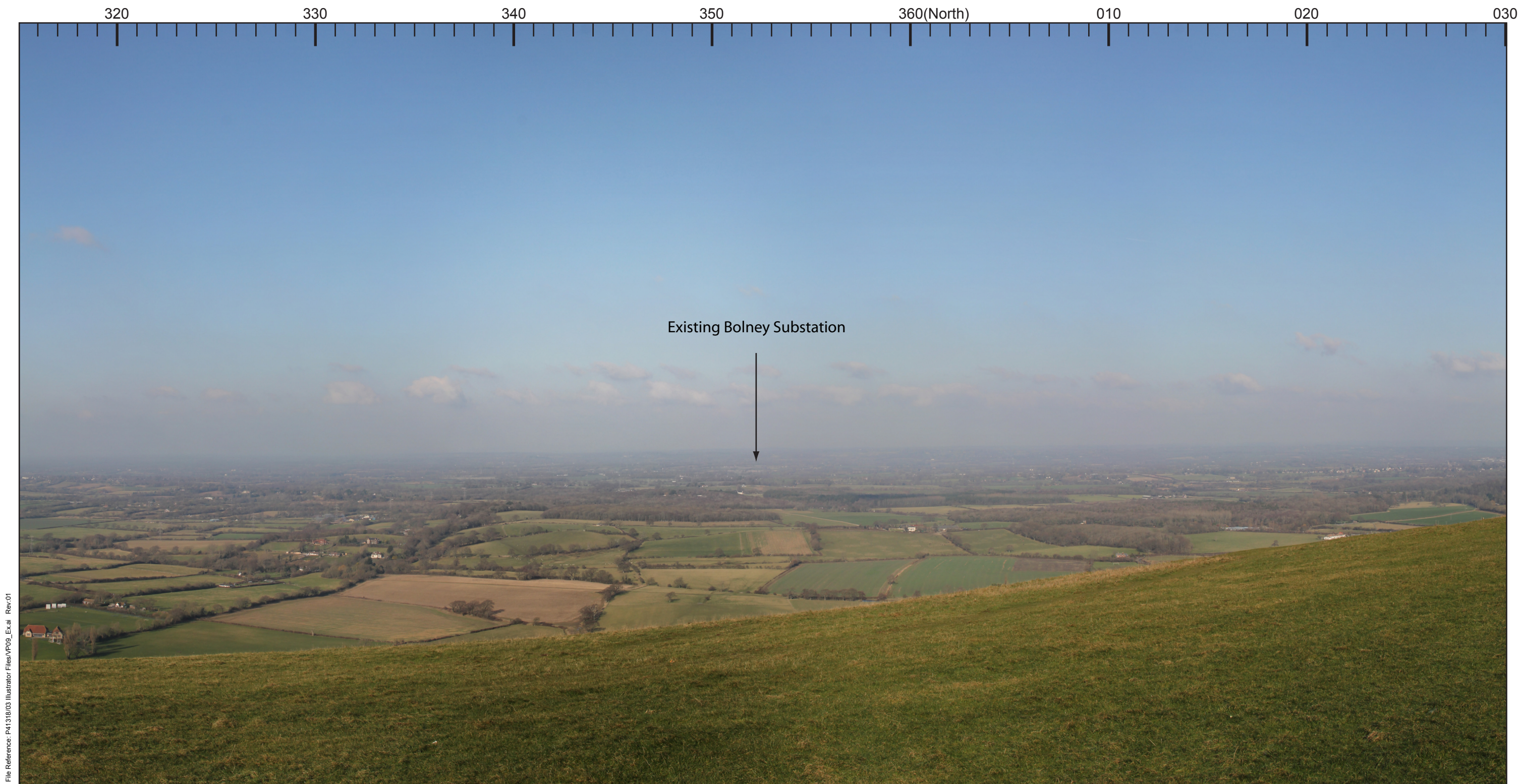


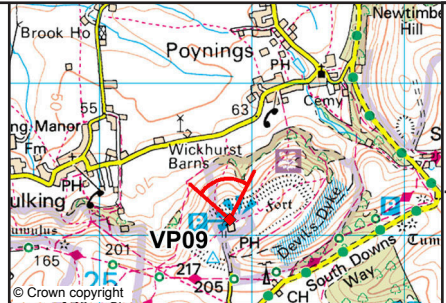
Figure 26.7
Viewpoint 8:
Existing View

Rampion Offshore Wind Farm



File Reference: P41318/03 Illustrator Files/VP09_Ex.ai Rev:01

Existing View from VP09

 	Viewpoint Title : Devil's Dyke, South Downs NGR : 525854, 111103 Direction of View : 353° Included Angle of View : 75° Elevation : 205m	Distance to Site Boundary : 9.9km Date of Photograph : 1st February 2012 Time of Photograph : 13:30 Camera Height above ground : 1.6m Correct Viewing Distance : 30cm		Figure 26.7 Viewpoint 9: Existing View Rampion Offshore Wind Farm
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