

RWE Npower Renewables Ltd

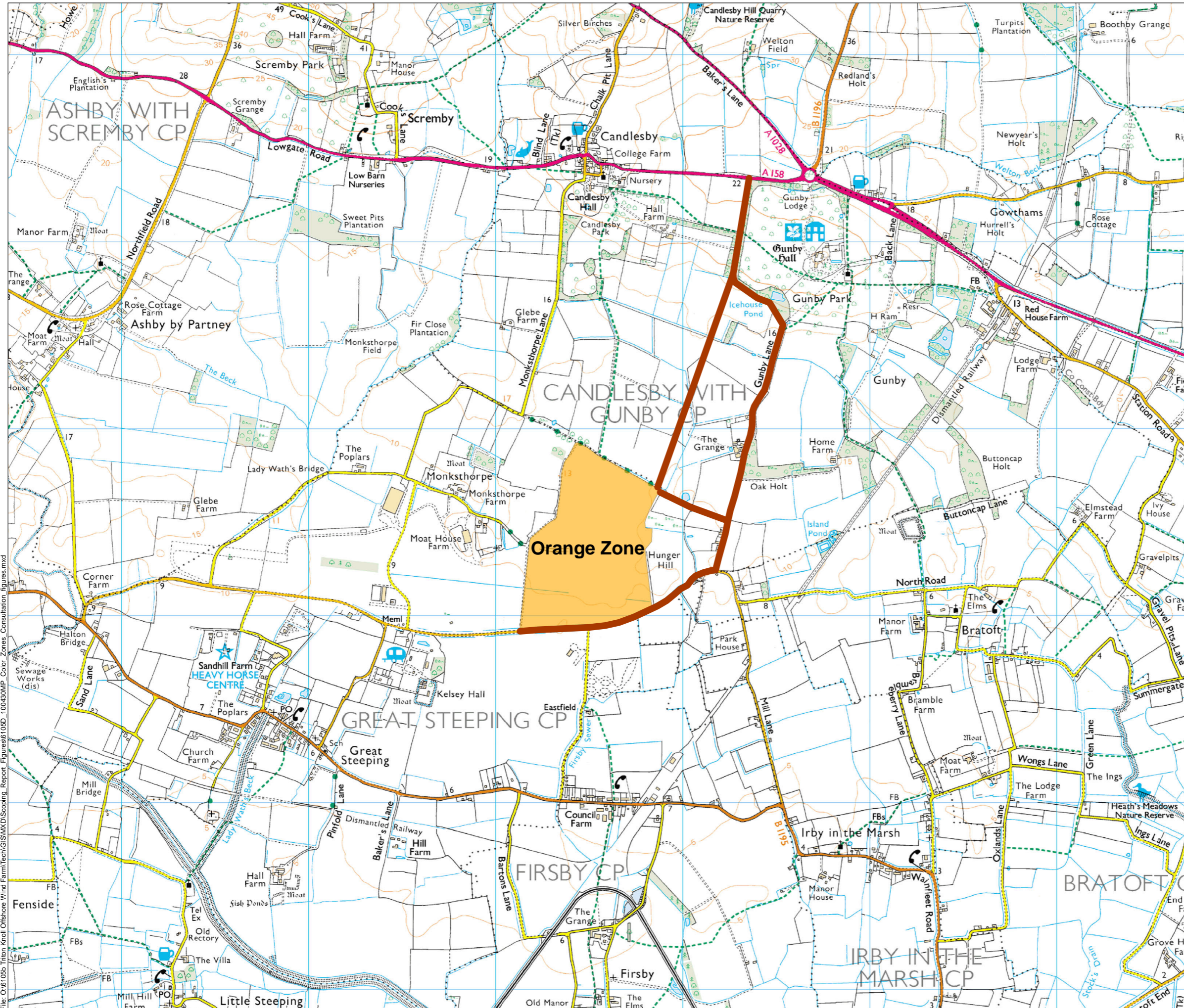
Triton Knoll Offshore Wind Farm

Onshore Substation Site Report – Orange Zone

Date: July 2010

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Legend

- Orange Zone
- Vehicular access route options to site

Rev:	Date:	Amendment:	Name:	Checked:

■ Data Source: RPS 2010
 Status: FOR CONSULTATION



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■ Client: RWE npower renewables
 Project: Triton Knoll Offshore Wind Farm

Title: Orange Zone Map

Scale: A3 @ 1:20,000
 0 250 500 m



Date: 20/07/10 Datum: OSGB36 Projection: BNG
 Drawn: MP Checked: PI Job Ref: JR6105

■ Figure No: 1 Revision: -

File: O:\16105b Triton Knoll Offshore Wind Farm\Tech\GIS\MXD\Scoping_Report_Figures\105b_100430MP_Color_Zones_Consultation_figures.mxd

1 Summary

1.1 The Orange Zone is located approximately 1.5km south of Candlesby at National Grid Reference TF455655 mainly in the Parish of Great Steeping (Figure 1). The site is some 11 - 14m above sea level (AOD), flat, rising gently to the north. It comprises arable land with some tall hedgerows and coppice woodland and covers an area of 50.84ha. It is located on the site of the former and now dismantled RAF Spilsby. There is a distinctive east-west drainage ditch in the southern section. The southern half is exposed on three sides whereas the northern half is reasonably well enclosed on three sides.

1.2 There are about 6 dwellings or potential dwellings within 400m of the zone boundary:-

Property name / number (if known)	Distance from boundary (metres)
Steeping Cottage	270
Grange Farm	270
Moat House Farm	280
Summerleas	290
Outfield House	360
Sir Williams House	375

1.3 The Orange Zone is outside of Flood Zones 2 and 3 as defined by the Environment Agency.

1.4 The most convenient construction access would be via the A158 and Gunby Lane from the north.

1.5 The potential key environmental issues associated with the Orange Zone are:

- Proximity to the Lincolnshire Wolds Area of Outstanding Natural Beauty (AONB).
- The possible effect on the setting of the Grade II* Monksthorpe Baptist Chapel and external total immersion font (approximately 125m from the boundary of the zone) and a Grade II listed farm house some 375m from the zone boundary.
- The presence of a Site of Nature Conservation Importance (SNCI) immediately adjacent to the zone.

2 Zone Location and Description

Location

2.1	The approximate centre of the site is located at NGR ?	TF 455655
2.2	Describe the location of the site relative to the nearest village or town	Approximately 1.5km S of Candlesby
2.3	Which Civil Parish(es) is the site located within?	Great Steeping (south) and Candlesby with Gunby (north)

Site Description

2.10	The average N-S dimensions of the site are?	900m
2.11	The average E-W dimensions of the site are?	500m
2.12	The site is approximately what shape ?	Rectangular
2.13	The area (ha) of the site is? If the site has more than one distinct area, provide all.	50.84 ha
2.14	What is the topography and gradient of the site (e.g. flat, degrees/direction, gently undulating, in a dip)?	Flat, very gently rising to north
2.15	The approximate elevation above sea level (metres AOD) of the site is?	10 -13 metres AOD
2.16	Provide a brief description of the existing land use(s) of the site noting any significant and/or prominent features.	Arable fields, tall hedgerows/copse
2.17	Provide a brief description of the existing land use(s) adjacent to the site noting any significant and/or prominent features.	Arable fields, woodlands,
2.18	Does the site provide any significant natural screening e.g. in terms of topography and/or existing vegetation? If Y, specify.	Southern half exposed to east, west and south. Partial screening of northern half by woodland/copse/hedgerows to east, west and north; south exposed.

Access

The description of the construction traffic route is from the nearest 'A' road. The context of the zone in relation to the road network can be seen in Figure 1.

2.20	Briefly describe the potential route for major construction traffic from the nearest 'A' class road to the site.	A158 via Gunby Lane
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3 Zone Characteristics

Amenity, Rights of Way and Economy

3.1	How many dwelling s are within 400m of the site boundary?	About 6 Steeping Cottage (270m) Grange Farm (270m) Moat House Farm (280m) Summerleas (290m) Outfield House (360m) Sir Williams House (375m)
3.2	If the zone was to be developed would it necessitate the diversion of a public right of way (BOAT, byway, bridleway, footpath)? If Y, describe.	Yes. Potentially Sandy Lane
3.3	If the site was to be developed would it necessitate the diversion of an agricultural track ? If Y, specify.	Yes
3.4	If the site were to be developed would it result in the loss of any open access land ?	None
3.5	Are there any public rights of way adjacent to, or in close proximity to, the site?	Yes
3.6	If the site was developed could it result in an adverse effect on the local economy , including tourism?	Agricultural. Shooting.
3.7	If the site was developed could it result in an adverse effect on land allocated for development ?	No

Agriculture and Soils

3.10	Is it likely that the site comprises more than 20 ha of the "best and most versatile" agricultural land in MAFF ALC grade 1, 2 and 3a ?	Yes
3.11	Is it likely that the site comprises 10 to 20 ha of the "best and most versatile" agricultural land in MAFF ALC grade 1, 2 and 3a ?	No
3.12	Is the site located on, or in close proximity to, a known landfill site ?	No

Ecology and Nature Conservation

3.20	If the site was to be developed could it result in a direct effect on any statutory designated site of nature conservation importance ? If Y, specify.	No
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3.21	If the site was to be developed could it result in any potential <u>indirect</u> effects on any statutory designated site of nature conservation importance ? If Y, specify.	No
3.22	If the site was to be developed would it result in a <u>direct</u> effect on any non- statutory designated site of nature conservation importance ? If Y, specify.	No
3.23	If the site was to be developed could it result in any potential <u>indirect</u> effects on any non- statutory designated site of nature conservation importance ? If Y, specify.	Yes, the Hunger Hill Pasture Local Wildlife Site (LWS) abuts part of the eastern boundary.
3.24	Describe the ecological character of the site .	Arable land and field margins, mature hedgerows with trees, small plantation woodland.
3.25	Describe the ecological character of land adjoining the site.	Arable land and field margins, mature hedgerows with trees, lowland meadow, woodland, drainage ditches. Pond in small woodland to the north-west.
3.26	If the site was to be developed would it result in a <u>direct</u> effect on any ancient woodland or hedgerow ? If Y, specify.	No
3.27	If the site was to be developed would it result in a <u>direct</u> effect on any woodland , other than ancient woodland? If Y, specify.	No
3.28	If the site was to be developed could it result in a potential effect on any UK BAP habitats ? If Y, describe.	Arable field margins, lowland broadleaved woodland surrounded by, and another adjacent to, site
3.29	If the site was to be developed could it result in a potential effect on any protected or otherwise notable species of fauna ? If Y, describe.	Unknown. Brown hare seen on site.

Historic Environment

3.40	If the site was to be developed would it result in a <u>direct</u> effect on any Scheduled Ancient Monument ? If Y, specify SAM(s).	No
3.41	If the site was to be developed would it result in a <u>direct</u> effect on any listed building ? If Y, specify listed building(s).	No
3.42	If the site was to be developed would it result in a <u>direct</u> effect on any Conservation Area ? If Y, specify Conservation Area(s).	No
3.43	If the site was to be developed would it result in a <u>direct</u> effect on any Conservation Area ? If Y, specify Conservation Area(s).	No
3.44	Is the site located within an archaeological priority area or similar designation?	No
3.45	If the zone was to be developed are there any Scheduled Ancient Monuments on which the potential impact on setting would have to be considered? If Y, specify SAM(s).	No

3.46	If the zone was to be developed are there any listed buildings on which the potential impact on setting would have to be considered? If Y, specify listed building(s).	Yes, Monksthorpe Baptist chapel and external total immersion font (both GR II*) (125m) and Sir Williams House (Gr II) (375m)
3.47	If the zone was to be developed are there any Conservation Areas on which the potential impact would have to be considered? If Y, specify Conservation Area	No
3.48	If the zone was to be developed is there any other feature or zone designated at the national level , e.g registered park and garden, on which the potential impact would have to be considered? If Y, specify	No
3.49	If the zone was to be developed are there any non-designated buried archaeological remains on which the potential impact would have to be considered?	Former RAF Spilsby. Three Roman coins have been found on the airfield site. Monksthorpe moated site just to west. Human remains & armour found 1850 in a part of site.

Landscape and Visual

3.50	Is the site located within the Lincolnshire Wolds Area of Outstanding Natural Beauty (AONB) ?	No
3.51	Is the site located within the locally designated Area of Great Landscape Value (AGLV) ?	No
3.52	What is the distance of the nearest point of the designated Lincolnshire Wolds AONB ?	1.6 kilometres
3.60	If the site was to be developed without appropriate mitigation is it likely to be seen from the Lincolnshire Wolds AONB ?	Possibly
3.61	If the site was to be developed without appropriate mitigation would it potentially be seen from the locally designated Area of Great Landscape Value (AGLV) ?	Yes
3.62	If the zone was to be developed without appropriate mitigation would it potentially be seen from any dwellings ?	Yes
3.63	If the zone was to be developed without appropriate mitigation would it potentially be seen from the any public rights of way ? If Y, specify.	Yes
3.64	What mitigation could be appropriate to effectively screen the site, once developed, from views looking towards it?	Screening mitigation would be required for northern and southern sections

Hydrology, Flood and Hazard Risk

3.70	If the site was to be developed would it necessitate the diversion of any watercourses or major drainage ditches? If Y describe.	No
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3.71	If the site was to be developed would it necessitate the diversion of any minor drainage ditches ? If Y describe.	Yes
3.72	Which category of Environment Agency flood zone does the substation zone sit in (give approximate percentages of zone so affected).	Flood Zone 1 – 100%
3.73	Is there any historic or anecdotal evidence of flooding to support the Environment Agency's modeling?	Unknown
3.74	Does the site cover any areas that are at risk from coastal erosion or other landscape change scenarios ? If Y, describe.	No
3.75	What category of the Environment Agency's draft Hazard Rating does the zone reside in?– State modeled year and percentage affected	None