

West Burton Solar Project

Environmental Statement Chapter 3: The Order Limits

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Issue Sheet

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DCO Submission

Environmental Statement Chapter 3: The Order Limits

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3 The Order Limits

3.1 Introduction

3.1.1 This chapter provides a description of the Order Limits within which the Scheme will be situated and the surrounding area. The Scheme Site comprises the following elements, which are described below:

- The three Solar Array Sites;
- The Cable Route Corridor; and
- Associated accesses.

3.1.2 This chapter should be read in conjunction with ES Figure 1.1 (Location Plan) [EN010132/APP/WB6.4.1.1], which defines the Order Limits; the Works Plan [EN010132/APP/WB2.3]; and Figure 3.1, Field Numbering Plan [EN010132/APP/WB6.4.3.1].

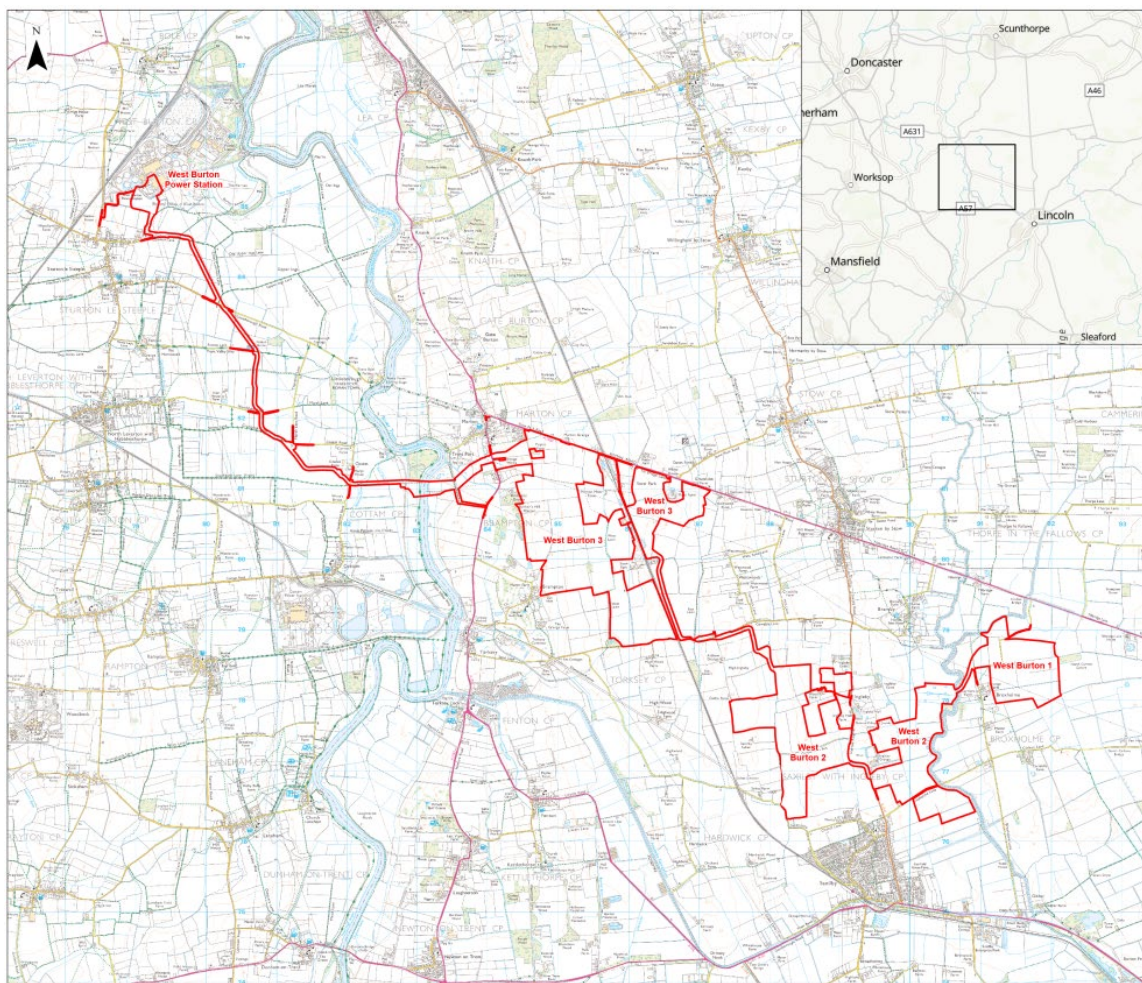
3.2 Existing Conditions Within and Surrounding the Order Limits

3.2.1 The Scheme is located within a 15km radius of the Point of Connection (POC) at the former West Burton Power Station. The majority of the Scheme will be located within the jurisdiction of West Lindsey District Council and Lincolnshire County Council. The POC at the former West Burton Power Station and a part of the Cable Route Corridor are located within the jurisdiction of Bassetlaw District Council and Nottinghamshire County Council.

3.2.2 The wider area is predominantly rural with a scattering of small settlements and villages throughout. The main highway routes in the vicinity of the Order limits are the A1500 which runs broadly east to west and is situated to the north of West Burton 1, 2 and 3; the A57 which runs east to west to the south of West Burton 2 and more generally to West Burton 1 and 3; and the A156 which runs north to south to the west of the West Burton 3 Site.

3.2.3 The land within the Order limits is not covered by any statutory landscape designations, i.e., National Parks, or Areas of Outstanding Natural Beauty (AONB). The Cottam and West Burton Power Station structures situated to the west of the Sites, are dominant structures within the landscape.

Plate 3.1 The Order Limits



3.2.4 The Solar Array Sites are all situated within the District of West Lindsey. West Burton 1 is made up of a tight cluster of fields within an area of countryside to the northeast of the village of Broxholme. West Burton 2 sits to the west of West Burton 1 and is within an area of countryside to the north of Saxilby. West Burton 2 is centred around the village of Ingleby. West Burton 3 sits to the northwest of West Burton 2 and is split over the Lincoln to Gainsborough railway line. West Burton 3 is bounded by the A1500 to the north.

3.2.5 The total extent of the Order limits is 886.4ha.

3.3 West Burton 1 (WB1)

3.3.1 **Size:** 91.32ha

3.3.2 **Use:** The entirety of the West Burton 1 Site is in agricultural use.

3.3.3 **Features:** The topography at West Burton 1 is relatively flat with a slight relief to the southwest of the Site. The development Site is well screened from its immediate surroundings by tall hedges which bound the Site.

- 3.3.4 The individual fields, which are constituent parts of the West Burton 1 Site, are regular in shape, generally large and are typically divided by hedgerows with interspersed trees. The hedgerows are occasionally accompanied by irrigation trenches. The Site includes existing farm access tracks and wider field accesses.
- 3.3.5 A tributary, which connects to the River Till to the northwest of Broxholme, meanders in a north to south orientation. The tributary defines a section of the northernmost boundary of West Burton 1.
- 3.3.6 There are three woodland blocks which are either in close proximity to or abut the Site. The North Carlton Covert abuts the Site to the northeast. Adjoining the Site access to the north is a north south oriented strip of woodland which extends to the A1500. The final woodland block is located to the southwest of the Site and is located within the curtilage of the All Saints church in Broxholme. The woodland block is sparser in density and combines a handful of residential dwellings.
- There is a single 132kV overhead line (OHL) that crosses the southern section of the Site in a northwest to southeast orientation.
- 3.3.7 **Settlements and Roads:** There is a chain of villages that branch off the A1500. The A1500 runs broadly east to west and is located to the north of the Site. The villages within close proximity of the Site are:
- Broxholme (0.25km to the southwest of the WB1 Site)
 - Bransby (1.10km to the northwest of the WB1 Site)
 - Ingleby (1.98km to the west of the WB1 Site)
 - Thorpe in the Fallows (1.34km to the north of the WB1 Site)
 - North Carlton (2.11km to the southeast of the WB1 Site)
- 3.3.8 Broxholme Lane transects the northern section of the Site in a southwest to northeast orientation. The Lane connects the village of Broxholme (which is comprised of approximately 10 dwellings) to the A1500. The A1500 runs broadly east to west and is located approximately 500m to the north of the Site.
- 3.3.9 Carlton Lane, which runs east to west approximately 600m to the south of the Site, connects North Carlton with Saxilby.
- 3.3.10 The closest larger settlements are Lincoln, approximately 8km southeast of the landholding, and Gainsborough, approximately 13km northwest of the landholding. The landholding is situated in the centre of a 'rectangle' of A roads: The A15, A57, A156 and the A1500 the closest of these being the A1500 which is to the north of West Burton 1.
- 3.3.11 **Railway Lines:** The railway line which is to the south and east of the landholding, connecting Lincoln and Gainsborough is, at its closest, 3.16km from the Site.
- 3.3.12 **Public Rights of Way:** There is one Public Footpath crossing the Site (Route Code: Brox/196/1). This footpath runs south to north and extends northwards out of Broxholme. This footpath is identified on the Public Rights of Way Plan that

accompanies the DCO application [EN010132/APP/WB2.4]. Other Public Rights of Way within close proximity to the Site include:

- The public footpath that cuts across the Broxholme Lane to the north of Broxholme 'Brox/197/1'.
- The public footpath that connects Cornhills Farm on Carlton Lane to the south of Broxholme 'Brox/198/1'.
- The public footpath which continues 'Brox/196/1' to the north up to Tillbridge on the A1500 'Scmp/196/1'.

3.3.13 **Power Stations:** The decommissioned Cottam Power Station is 9.31km to the west of the Site whilst West Burton Power Station is 13.15km to the northwest of the Site.

3.3.14 **Airfields:** There are a handful of airfields within the surrounding area that include RAF Scampton which lies 3.82km to the east of the landholding; and Stow (Mere House) which lies 3.52km to the northwest of the Site.

3.3.15 **Rivers:** The River Till meanders in a predominantly north to south orientation 350m to the west of the Site. The Cable Route Corridor, which connects West Burton 1 to West Burton 2, transects the River Till. The banks of the River Till are lined with trees. A tributary to the River Till adjoins and defines the northernmost boundary of the landholding. The riverbanks are wide and are covered with low lying vegetation.

3.3.16 **Woodland:** There are three woodland blocks that adjoin to and abut the Site. The largest and most defined of these is the North Carlton Covert which is located to the northeast of the landholding.

3.3.17 **Local Administrative Boundaries:** The Site is situated within West Lindsey District and is distributed across the parishes of: Broxholme and Scampton. The Site also adjoins the parish of North Carlton to the east.

Historic Designations

3.3.18 **Conservation Areas:** A number of the villages on the B1398, to the east of the Site, feature conservation areas. The villages with conservation areas are:

- Brattleby (3.23km to the northeast of the WB1 Site)
- Burton (4.90km to the southeast of the WB1 Site)
- Ingham (5.13km to the northeast of the WB1 Site)
- Saxilby Bridge Street (3.27km to the southwest of the WB1 Site)
- South Carlton (2.60km to the southeast of the WB1 Site)

3.3.19 **Listed Buildings:** There is a handful of grade II listed buildings within the Broxholme settlement, which adjoins the Site to the west. These are fully listed (and the impacts on them considered) in Chapter 13 of the ES (Cultural Heritage) [EN010132/APP/WB6.2.13].

3.3.20 **Archaeology:** There are no Scheduled Monuments (SMs) within the Site boundary of West Burton 1. Scheduled Monument (reference: 1016797) abuts the western boundary of the Site and lies to the south of Broxholme.

3.3.21 Heritage assets and archaeological features are identified and comprehensively addressed in Chapter 13 of the ES (Cultural Heritage) [EN010132/APP/WB6.2.13].

Landscape Designations

3.3.22 **Areas of Great Landscape Value (AGLV):** There is an AGLV which runs along the chain of villages on the B1398 before ending to the north of Lincoln. The AGLV extends on average between 500-900 metres in width from the B1398 and is located at its nearest 2.01km to the east of West Burton 1.

3.3.23 There is an AGLV designated around the town of Gainsborough, which encompasses woodland and surrounding farmland. At its closest, the AGLV is 7.60km to the northwest of West Burton 1.

3.3.24 These AGLV designations are addressed in Chapter 8 of the ES (Landscape and Visual Impact Assessment) [EN010132/APP/WB6.2.8].

Ecological Designations

3.3.25 **Biodiversity improvement areas:** A portion of the Site's northwest is identified by Central Lincolnshire as either an opportunity for creation or an opportunity for management as part of the ecological network.

3.3.26 A detailed Biodiversity Net Gain assessment has been carried out to support the DCO application. It is concluded in Appendix 9.12 [EN010132/APP/WB6.3.9.12] of the ES that the Scheme will result in a significant Net Gain for biodiversity, with 86.80% gains provided in habitat, 54.71% gains in hedgerow and 33.25% gains in river units, in line with local and national planning policies.

3.3.27 **Sites of Special Scientific Interest (SSSI):** There are none within close proximity to the Site. The nearest SSSI to the Site is Doddington Clay Woods SSSI which is 6.74km to the south of West Burton 1.

3.3.28 **Special Areas of Conservation (SAC):** There are none within close proximity to the Site. The nearest SAC to the Site is the Birklands and Bilhaugh SAC which is 28.43km to the west of West Burton 1.

3.3.29 **Special Protection Areas (SPA):** There are none within close proximity to the Site. The nearest SPA to the Site is the Thorne and Hatfield Moors SPA which is 32.85km to the northwest of West Burton 1.

3.3.30 **Local Wildlife Sites (LWS):** There are none within close proximity to the Site. The nearest LWS to the Site is the Burton Hall LWS which is 6.25km to the southeast of West Burton 1.

3.3.31 Ecological designations are further addressed in Chapter 9 of the ES (Ecology and Biodiversity) [EN010132/APP/WB6.2.9].

Geological Designations

- 3.3.32 **Minerals safeguarding areas:** West Burton 1 is entirely designated as a Petroleum Exploration Development Licence (PEDL) Block.
- 3.3.33 Ground conditions are addressed in Chapter 11 of the ES (Ground Conditions and Contamination) [EN010132/APP/WB6.2.11]; and Chapter 12 of the ES (Minerals) [EN010132/APP/WB6.2.12].

Flood Risk and Drainage

- 3.3.34 The majority of the Site is located within Flood Zones 1 and 2 with some areas to the north being within Flood Zone 3. The River Till and the aforementioned tributary do benefit from flood defences. A portion of the northwestern landholding is designated as a Water Storage Area.
- 3.3.35 The landholding is broadly subject to very low and low risks to surface water flooding. There are increased risks to surface water flooding along field irrigation trenches.
- 3.3.36 Detailed Flood Risk Assessments have been appended to ES Chapter 10: Hydrology, Flood Risk and Drainage [EN010132/APP/WB6.2.10].

3.4 West Burton 2 (WB2)

- 3.4.1 **Size:** 306.98ha
- 3.4.2 **Use:** The entirety of the Site is in agricultural use.
- 3.4.3 **Features:** The Site at West Burton 2 is bounded to the east by the River Till, Saxilby to the south and the Gainsborough to Lincoln rail line to the west. The River Till to the east of the landholding is canalised with wide and vegetated banks. There are interspersed trees which line the banks of the river. There are a couple of farmsteads which are surrounded by but not included within the Site. The village of Ingleby is located on the B1241 Sturton Road which runs in a north to south orientation and splits West Burton 2 in half.
- 3.4.4 The land is relatively flat and is well screened from its immediate surroundings by tall hedges and the occasional tree line. The field parcels are large and regular in shape with some slightly smaller and irregular parcels within the eastern portion of the landholding, where West Burton 2 abuts the River Till. The fields are separated by established hedgerows that are occasionally accompanied by irrigation trenches. Trees are frequently interspersed within the hedgerows towards the west of the landholding. A handful of fields are separated by broader tree planting buffers. The Site benefits from a handful of existing field and farmstead accesses, specifically to the northwest of Ingleby and to the north of Saxilby via the Sturton Road.
- 3.4.5 There is a total of five electrical OHLs which transect West Burton 2. All OHLs crossing West Burton 2 supply 11kV.
- 3.4.6 One 11kV OHL crosses the western-most field of West Burton 2 in a northwest to southeast orientation. Branching off of this OHL, where it enters West Burton 2 at

its most northern extent, is another 11kV OHL that tracks eastwards along the West Burton 2 boundary before entering the Order Limits and subsequently terminating at Ingleby Hall Livery.

- 3.4.7 A third 11kV OHL runs directly south from Ingleby Hall Harm. As this OHL exits West Burton 2 to the south, the fourth 11kV OHL branches off and tracks eastwards where it crosses the Sturton Road before terminating at the farmstead to the north of the Ingleby Grange Cottages.
- 3.4.8 The final 11kV OHL enters to the north of West Burton 2 and tracks southwards towards Ingleby Hall Livery. Before reaching Ingleby Hall Livery, the OHL sweeps past and diverts to track in a southeastern orientation towards the Gables Manor Care Home. As the OHL approaches the Gables Manor Care Home, having crossed the Sturton Road, the OHL diverts again to track in a northeastern orientation. The OHL continues to track northeastwards before terminating at a clustering of buildings/farmstead.
- 3.4.9 **Settlements and Roads:** The Site is situated 11.68km to the southeast of Gainsborough. The largest settlement within close proximity to the Site is the substantial village of Saxilby which lies 0.68km to the south of West Burton 2. The nearest villages to the Site are:
- Ingleby (250m centrally to the WB2 Site)
 - Broxholme (500m to the northeast of the WB2 Site)
 - Sturton by Stow (1.94km to the north of the WB2 Site)
 - Fenton (3.52km to the west of the WB2 Site)
- 3.4.10 The main road in relation to the Site is the B1241 which cuts through the centre of the Site in a north to south orientation. The B1241 connects the A57 which is to the south of the site and runs in an east to west orientation, with the A1500 which is to the north of the Site and runs in a predominantly east to west orientation.
- 3.4.11 **Railway Lines:** The railway line which runs between Gainsborough and Lincoln runs in a rough northwest to southeast direction and lies, at its closest, 250m to the west of the Site.
- 3.4.12 **Public Rights of Way:** There are no public footpaths or bridleways within close proximity of West Burton 2 although public footpaths of note are:
- 'Saxi/203/1' which is a public footpath to the south of the Site that connects the intersection between Broxholme Lane and the B1241 with St. Botolph's Church.
- 3.4.13 The above footpath is identified on the Public Rights of Way Plan which accompanies the DCO application [EN010132/APP/WB2.4]. Other Public Rights of Way of note are captured within this plan.
- 3.4.14 **Power Stations:** The decommissioned Cottam Power Station is 6km to the west of the Site, meanwhile West Burton Power Station is 12km to the northwest of the Site.

- 3.4.15 **Airfields:** There are a handful of airfields in the surrounding area including RAF Scampton which is 5.87km to the northeast of the landholding; and Stow (Mere House) which is 2.80km to the north of the Site.
- 3.4.16 **Rivers:** West Burton 2 is bounded to the east by the River Till. The River Till is canalised and is covered by low lying vegetation with occasional trees. The Foss Dyke lies to the west of the Gainsborough to Lincoln railway line and is 1.83km to the southwest of West Burton 2.
- 3.4.17 **Woodland:** There is limited woodland in the area surrounding the landholding, save for the occasional woodland block. Within the western section of West Burton 2 is the Codder Lane Belt which is a densely wooded strip that runs east to west.
- 3.4.18 There is also a wooded block to the west of Broxholme which is sandwiched between the River Till and the northeastern section of West Burton 2.
- 3.4.19 **Local Administrative Boundaries:** The Site is situated within West Lindsey District and is distributed across the parish of Saxilby with Ingleby.

Historic Designations

- 3.4.20 **Conservation Areas:** There are a number of Conservation Areas within close proximity to the Site. The nearest and most notable Conservation Areas are:
- Saxilby Bridge Street (1.45km to the south of the WB2 Site)
 - South Carlton (4.45km to the east of the WB2 Site)
 - Burton (5.05km to the southeast of the WB2 Site)
 - Brattleby (4.76km to the northeast of the WB2 Site)
- 3.4.21 **Listed Buildings:** There are no listed buildings within the Site. The nearest listed building to the Site is Grade II listed 'Ingleby Chase' which lies 230m to the north of West Burton 2. 530m to the southeast of the landholding is Grade I listed 'Church of St Botolph'.
- 3.4.22 Listed buildings in close proximity to the Site have been fully listed (and the impacts on them considered) in Chapter 13 of the ES (Cultural Heritage) [EN010132/APP/WB6.2.13].
- 3.4.23 **Archaeology:** There are no scheduled monuments (SMs) within the Site of West Burton 2. There is however the 'Deserted village of North Ingleby' which lies within Ingleby to the east of the B1241. This Scheduled Monument is encompassed by West Burton 2.
- 3.4.24 Heritage assets and archaeological features are identified and comprehensively addressed in Chapter 13 of the ES (Cultural Heritage) [EN010132/APP/WB6.2.13].

Landscape Designations

- 3.4.25 **Areas of Great Landscape Value (AGLV):** There is an AGLV which surrounds Gainsborough and extends to south of the Town. This AGLV generally tracks along

the Gainsborough to Lincoln rail line, ending at Marton. The AGLV is located 5.58km to the northwest of West Burton 2.

- 3.4.26 The AGLV which runs along the chain of villages on the B1398 extends north to south and passes 3.65km to the east of West Burton 2.
- 3.4.27 These AGLV designations are addressed in Chapter 8 of the ES (Landscape and Visual Impact Assessment) [EN010132/APP/WB6.2.8].

Ecological Designations

- 3.4.28 **Biodiversity improvement areas:** A significant proportion of the eastern section of West Burton 2 is identified by Central Lincolnshire as either an opportunity for creation or an opportunity for management as part of the ecological network.
- 3.4.29 A detailed Biodiversity Net Gain assessment has been carried out to support the DCO application. It is concluded in Appendix 9.12 [EN010132/APP/WB6.3.9.12] of the ES that the Scheme will result in a significant Net Gain for biodiversity, with 86.80% gains provided in habitat, 54.71% gains in hedgerow and 33.25% gains in river units, in line with local and national planning policies.
- 3.4.30 **Sites of Special Scientific Importance (SSSI):** There are none within close proximity of the Site. The closest SSSI is Doddington Clay Woods which is 5.35km to the south of West Burton 2.
- 3.4.31 **Special Areas of Conservation (SAC):** There are none within close proximity to the Site. The nearest SAC to the Site is the Birklands and Bilhaugh SAC which is 25.01km to the west of West Burton 2.
- 3.4.32 **Special Protection Areas (SPA):** There are none within close proximity to the Site. The nearest SPA to the Site is Thorne and Hatfield Moors SPA which is 31.09km to the northwest of West Burton 2.
- 3.4.33 Ecological designations are further addressed in Chapter 9 of the ES (Ecology and Biodiversity) [EN010132/APP/WB6.2.9].

Geological Designations

- 3.4.34 **Minerals safeguarding areas:** West Burton 2 in its entirety is designated as a Petroleum Exploration Development Licence (PEDL) Block.
- 3.4.35 Ground conditions are addressed in Chapter 11 of the ES (Ground Conditions and Contamination) [EN010132/APP/WB6.2.11]; and Chapter 12 of the ES (Minerals) [EN010132/APP/WB6.2.12].

Flood Risk and Drainage

- 3.4.36 Within the eastern portion of West Burton 2, a significant share of the landholding is dedicated as a Water Storage Area. This designation tracks along the banks of the River Till and extends roughly 800m perpendicular to the river's banks. Beyond the Water Storage Area, a buffer of Flood Zone 3 land extends some 40m or so into the West Burton 2 landholding.

- 3.4.37 The landholding surrounding the B1241 is at a low risk to flooding from rivers and the sea. There is a small proportion of land to the west which is has been dedicated as Flood Zone 2.
- 3.4.38 West Burton 2 is widely exposed to a low risk from surface water flooding. There are parcels of land within Ingleby and to the west of the River Till that are at a medium risk to surface water flooding.
- 3.4.39 A detailed Flood Risk Assessment has been appended to ES Chapter 10: Hydrology, Flood Risk and Drainage [EN010132/APP/WB6.2.10].

3.5 West Burton 3 (WB3)

- 3.5.1 **Size:** 370.78ha
- 3.5.2 **Use:** The entirety of the Site is in agricultural use.
- 3.5.3 **Features:** The West Burton 3 landholding is the largest of the three and lies to the southeast of Marton. The Gainsborough to Lincoln rail line, which runs northwest to southeast, splits the landholding into two. The A1500 to the north of West Burton 3 defines the northern extent of the landholding whilst Cowdale Lane to the south defines West Burton 3's southern boundary. Screening along the A1500 when looking into West Burton 3 is mature, dense and well established with few gaps. The eastern section of the landholding is relatively flat although there are land parcels to the West which undulate. Given the slightly raised profile of Cowdale Lane, the hedgerow along the Lane at present is slightly undermined in its ability to act as a form of screening.
- 3.5.4 Fields within West Burton 3 are large and regular in shape and feature strong albeit disconnected hedgerows. Trees are infrequently dotted within hedgerows. There are a couple of trees which are centrally placed within a field abutting the rail line and A1500 within the north the landholding.
- 3.5.5 The village of Marton is 350 metres to the northwest of West Burton 3. An assessment of the views from Marton into the Site has been conducted and detailed within ES Chapter 8: Landscape and Visual [EN010132/APP/WB6.2.8].
- 3.5.6 There is a total of four OHLs that cross the West Burton 3 Site. All On-Site OHLs are electrical cables operating at varying voltages.
- 3.5.7 The largest capacity OHL is the 400kV cable which is managed by the National Grid. This OHL enters the landholding from the west and runs to the southeast before heading south. An 11kV OHL enters West Burton 3 in a similar location and tracks east before diverting towards the southeast where it serves a cluster of farm-related buildings that are centrally placed within West Burton 3. A 132kV OHL transects the northern portion of the landholding in a northwest to southeast orientation. The final OHL is an 11kV cable that originates from a centrally placed farmstead within West Burton 3. The OHL exits the farmstead to the northeast and maintains this orientation as it crosses over the A1500 and out of West Burton 3.

- 3.5.8 There are also three underground fuel pipelines which cross the Site. One underground fuel pipeline runs in parallel and to the west of the Gainsborough to Lincoln rail line. This pipeline transects the entire Site. Another fuel pipeline runs in a similar fashion, albeit terminating at a cluster of farm-related buildings which are situated within the northeastern portion of West Burton 3. A third fuel pipeline enters the Site to the southwest and runs towards the northeast before diverting northwards and running similarly to the two aforementioned gas pipelines.
- 3.5.9 There is also an underground gas pipeline which enters West Burton 3 from the west and runs northeast, which then crosses the A1500.
- 3.5.10 **Settlements and roads:** The Site is situated 7.21km to the south of Gainsborough. There are smaller villages between Gainsborough and the Site which lie along the A156, these include:
- Lea (5.27km to the north of the WB3 Site)
 - Knaith (3.22km to the north of the WB3 Site)
 - Gate Burton (1.41km to the northwest of the WB3 Site)
 - Marton (550m to the northwest of the WB3 Site)
- 3.5.11 There are other villages within close proximity of the Site which include:
- Torksey (1.65km to the southwest of the WB3 Site)
 - Torksey Lock (2.98km to the southwest of the WB3 Site)
 - Sturton by Stow (3.14km to the east of the WB3 Site)
- 3.5.12 The main roads in the surrounding area include the A1500 which runs east to west and serves to define the northern boundary of West Burton 3. The A156 runs south to north and lies to the west of the Site. Cowdale Lane runs east to west and serves to define the southernmost extent of West Burton 3.
- 3.5.13 **Railway Lines:** The railway line between Gainsborough and Lincoln runs in a northeast to southwest orientation and transects through the core of West Burton 3.
- 3.5.14 **Public Rights of Way:** There is one Public Right of Way which crosses West Burton 3. The 'Mton/68/1' Public Right of Way lies to the south of Marton and runs north-east (originating from the A156) where it joins the A1500. There are other public footpaths and bridleways within close proximity of the West Burton 3 Site. The nearest public footpaths and bridleways are:
- 'Mton/69/1' is a public footpath 350m to the northeast of the Site which runs north out of Marton.
 - 'Bram/66/1. Is a public footpath 500m to the west of the Site which connects the A156 to the River Trent.
- 3.5.15 **Power Stations:** The Cottam Power Station is 3.13km to the southwest of the Site. The West Burton Power Station is 7.07km to the northwest of the Site.

- 3.5.16 **Airfields:** There are a handful of airfields in the surrounding area including RAF Scampton which is 10.13km to the east of the landholding; and Stow (Mere House) which is 1.95km to the northeast of the Site.
- 3.5.17 **Rivers:** There are no significant tributaries or rivers within the landholding. The River Trent meanders in a broad north to south orientation and lies 1.26km to the west of West Burton 3.
- 3.5.18 **Woodland:** There is limited woodland in the area surrounding the Site. Burton Wood is classified as an ancient and semi-natural woodland and lies 1.54km to the north of the landholding.
- 3.5.19 **Local Administrative Boundaries:** The Site is situated within West Lindsey District and is within the Parish Council boundaries of Marton, Brampton, and Stow.

Historic Designations

- 3.5.20 **Conservation Areas:** There is only one conservation area within close proximity to the Site. The Saxilby Bridge Street Conservation Area lies 4.96km to the southeast of the Site.
- 3.5.21 **Listed Buildings:** There are no listed buildings within the Site. There are a number of listed buildings contained within the villages of Marton, Brampton and Stow Park. Marton contains eight listed buildings of varying gradings. The closest of which to the Site is Grade II 'Wapping Lane Farmhouse and Attached Outbuilding' which is 270m to the north of West Burton 3. Stow Park contains two listed buildings which are sandwiched between the western and eastern parcels of West Burton 3. Brampton contains five listed buildings of which the nearest to the Site is Grade II 'Manor Farmhouse'. These listings are fully detailed (and the impacts on them considered) in Chapter 13 of the ES (Cultural Heritage) [EN010132/APP/WB6.2.13].
- 3.5.22 **Archaeology:** There are no Scheduled monuments (SM) within the Site. There is however a SM which abuts the Site. The medieval bishop's palace and deer park SM is split across two Sites with one part being to the northwest of the landholdings and to the south of the A1500. The second part of the SM lies to the southwest of the Site and extends perpendicular to Cowdale lane.
- 3.5.23 Heritage assets and features are identified and comprehensively addressed in Chapter 13 (Cultural Heritage) of the ES [EN010132/APP/WB6.2.13].

Landscape Designations

- 3.5.24 **Areas of Great Landscape Value (AGLV):** There is an AGLV which surrounds Gainsborough and extends to south of the Town. This AGLV generally tracks along the Gainsborough to Lincoln railway line before ending at Marton. The AGLV lies 0.59km to the northwest of West Burton 3.

The AGLV which runs along the chain of villages on the B1398 to the east of the Site extends north to south and, at its closest, is 7.26km in separation.

- 3.5.25 These AGLV designations are addressed in Chapter 8 of the ES (Landscape and Visual Impact Assessment) [EN010132/APP/WB6.2.8].

Ecological Designations

- 3.5.26 **Sites of Special Scientific Interest (SSSI):** The nearest SSSI to the Site is Lea Marsh which is 5.44km to the north of West Burton 3.
- 3.5.27 **Special Areas of Conservation (SAC):** There are no SACs within close proximity of the Site. The nearest SAC is the Hatfield Moor SAC which is 25km to the northwest of the Site.
- 3.5.28 **Special Protection Areas (SPA):** There are no SPAs within close proximity of the Site. The nearest SPA is Thome and Hatfield Moors SPA which is 25km to the northwest of the Site.
- 3.5.29 Ecological designations are further addressed in Chapter 9 of the ES (Ecology and Biodiversity) [EN010132/APP/WB6.2.9].

Geological Designations

- 3.5.30 The majority of West Burton 3 is designated as a Petroleum Exploration Development Licence (PEDL) Block.
- 3.5.31 A small part of the Site to the southwest is designated as a Sand and Gravel Minerals Safeguarding Area.
- 3.5.32 Ground conditions are addressed in Chapter 11 of the ES (Ground Conditions and Contamination) [EN010132/APP/WB6.2.11]; and Chapter 12 of the ES (Minerals) [EN010132/APP/WB6.2.12].

Flood Risk and Drainage

- 3.5.33 The majority of the West Burton 3 Site that is situated to the east of the Gainsborough to Lincoln rail line is within Flood Zone 1 in relation to flooding from rivers and the sea.
- 3.5.34 Approximately half of the West Burton 3 landholding to the west of the rail line is in Flood Zones 2 and 3. The remainder of the landholding is located within Flood Zone 1.
- 3.5.35 A detailed Flood Risk Assessment has been appended to ES Chapter 10: Hydrology, Flood Risk and Drainage [EN010132/APP/WB6.2.10].

3.6 Cable Route Corridor between West Burton 1 and West Burton 2

- 3.6.1 The Cable Route Corridor which connects West Burton 1 to West Burton 2 runs in a northeast to southwest orientation and crosses the River Till. The Cable Route Corridor connecting West Burton 1 and 2 runs through agricultural land in the open countryside.

Historic Designations

- 3.6.2 There are five Grade II listed buildings within the village of Broxholme which lies 250m to the southeast of the Cable Route Corridor. The nearest Grade II listed building to the Cable Route Corridor is the All Saints Church which is 320m to the southeast.
- 3.6.3 There is also the Broxholme medieval settlement and cultivation remains Scheduled Monument which, at its nearest, is 250m to the southeast of the Cable Route Corridor.
- 3.6.4 These listings are fully detailed (and the impacts on them considered) in Chapter 13 of the ES (Cultural Heritage) [EN010132/APP/WB6.2.13].

Landscape Designations

- 3.6.5 There is an AGLV which runs along the chain of villages on the B1398 before ending to the north of Lincoln. The AGLV extends on average between 500-900 metres in width from the B1398 and is located at its nearest 3.38km to the east of the Cable Route Corridor between West Burton 1 and 2.
- 3.6.6 This AGLV designation is addressed in Chapter 8 of the ES (Landscape and Visual Impact Assessment) [EN010132/APP/WB6.2.8].

Ecological Designations

- 3.6.7 There are no SSSI, SPA or SAC designations within proximity of the Cable Route Corridor. Ecological designations relating to the Cable Route Corridor have been addressed in Chapter 9 of the ES (Ecology and Biodiversity) [EN010132/APP/WB6.2.9].

Geological Designations

- 3.6.8 As the Cable Route Corridor extends out from West Burton 1, the Corridor is designated as a Petroleum Exploration Development Licence (PEDL) Block.
- 3.6.9 Ground conditions are addressed in Chapter 11 of the ES (Ground Conditions and Contamination) [EN010132/APP/WB6.2.11]; and Chapter 12 of the ES (Minerals) [EN010132/APP/WB6.2.12].

3.7 Cable Route Corridor between West Burton 2 and West Burton 3

- 3.7.1 The Cable Route Corridor which connects West Burton 2 to West Burton 3 runs in a southeast to northwest orientation and crosses Cowdale Lane. The Cable Route Corridor runs in a north-eastern orientation before running west in parallel with Cowdale Lane. The Cable Route Corridor then diverts northwards and tracks along the eastern edge of the Gainsborough to Lincoln rail line. The Cable Route Corridor connecting West Burton 2 and 3 runs through agricultural land in the open countryside.

Historic Designations

- 3.7.2 There are no listed buildings within close proximity to the Cable Route Corridor. The nearest listed buildings to the Cable Route Corridor are the Grade II listed Stow Park

Station and the Grade II listed Signal Box at the Stow Park Station. Both listed buildings are 1.57km to the northwest of the Cable Route Corridor.

3.7.3 There is also The medieval Bishop's Palace and Deer Park, Stow Park Scheduled Monument which lies 20m to the north of the Cable Route Corridor off Cowdale Lane. The Scheduled Monument is linear in nature and tracks north-easterly along a strip of mature hedgerows and interspersed trees.

3.7.4 These listings are fully detailed (and the impacts on them considered) in Chapter 13 of the ES (Cultural Heritage) [EN010132/APP/WB6.2.13].

Landscape Designations

3.7.5 There is an AGLV which runs along the chain of villages on the B1398 before ending to the north of Lincoln. The AGLV extends on average between 500-900 metres in width from the B1398 and is located at its nearest 6.49km to the east of the Cable Route Corridor between West Burton 2 and 3.

3.7.6 This AGLV designation is addressed in Chapter 8 of the ES (Landscape and Visual Impact Assessment) [EN010132/APP/WB6.2.8].

Ecological Designations

3.7.7 There are no SSSI, SPA or SAC designations within proximity of the Cable Route Corridor. Ecological designations relating to the Cable Route Corridor have been addressed in Chapter 9 of the ES (Ecology and Biodiversity) [EN010132/APP/WB6.2.9].

Geological Designations

3.7.8 As the Cable Route Corridor extends out from West Burton 2, the Corridor is designated as a Petroleum Exploration Development Licence (PEDL) Block.

3.7.9 Ground conditions are addressed in Chapter 11 of the ES (Ground Conditions and Contamination) [EN010132/APP/WB6.2.11]; and Chapter 12 of the ES (Minerals) [EN010132/APP/WB6.2.12].

3.8 Cable Route Corridor between West Burton 3 and West Burton Power Station (POC)

3.8.1 The Cable Route Corridor connecting West Burton 3 to the POC at West Burton Power Station runs west out of West Burton 3 before, to the north of the Cottam Power Station, diverting and tracking in a north-westerly orientation prior to terminating at the West Burton Power Station. The Cable Route Corridor is to transect the A156 to the south of Marton before crossing the River Trent. The Cable Route Corridor runs through agricultural land in the open countryside.

Historic Designations

3.8.2 There are a number of listed buildings within close proximity to the Cable Route Corridor. The nearest listed building to the Cable Route Corridor is the Grade I listed Church of St. Margaret of Antioch which lies within the village of Marton. There are

seven other listed buildings within the village of Marton, all of which are no more than 520m from the Cable Route Corridor. The village of Sturton le Steeple, which lies to the south of West Burton Power Station, also contains a clustering of listed buildings. The nineteen listed buildings within Sturton le Steeple vary between 500m to 1.05km from the Cable Route Corridor.

3.8.3 There are three Scheduled Monuments within 2km of the Cable Route Corridor. The nearest of these to the Cable Route Corridor is the Medieval settlement and open field system immediately south east of Low Farm which is 350m to the east of the Cable Route Corridor and is to the south and adjacent to the West Burton Power Station.

3.8.4 These listings are fully detailed (and the impacts on them considered) in Chapter 13 of the ES (Cultural Heritage) [EN010132/APP/WB6.2.13].

Landscape Designations

3.8.5 The AGLV which surrounds Gainsborough and tracks the railway line to Marton lies, at its closest, 540m to the north of the Cable Route Corridor between West Burton 3 and the POC at West Burton Power Station.

3.8.6 This AGLV designation is addressed in Chapter 8 of the ES (Landscape and Visual Impact Assessment) [EN010132/APP/WB6.2.8].

Ecological Designations

3.8.7 There are no SPA or SAC designations within proximity of the Cable Route Corridor.

3.8.8 The Lea Marsh SSSI lies 2.60km to the northeast of the Cable Route Corridor where the Cable Route Corridor terminates at the POC within West Burton Power Station.

3.8.9 Ecological designations relating to the Cable Route Corridor have been addressed in Chapter 9 of the ES (Ecology and Biodiversity) [EN010132/APP/WB6.2.9].

Geological Designations

3.8.10 As the Cable Route Corridor extends out from West Burton 3, the Corridor is designated as a Petroleum Exploration Development Licence (PEDL) Block.

3.8.11 Where the Cable Route Corridor approaches the crossing with the River Trent, the Cable Route Corridor enters a safeguarding Area for Sand and Gravel Minerals. The Safeguarding Area for Sand and Gravel Minerals extends beyond the western banks of the River Trent into Nottinghamshire. The majority of the Cable Route Corridor is designated as a Sand and Gravel Minerals Safeguarding Area.

3.8.12 Ground conditions are addressed fully in Chapter 11 of the ES (Ground Conditions and Contamination) [EN010132/APP/WB6.2.11]; and Chapter 12 of the ES (Minerals) [EN010132/APP/WB6.2.12].