



**Galloper Wind Farm Project**  
Statement of Reasons - Schedule 1  
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Galloper Wind Farm Limited



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# Gallopier Wind Farm Order

Works Number 3B <sup>1</sup>		
(1) Plot Numbers	(2) Description of the land	Description of works
6, 10, 11, 12	<p>A total of 9,861 m<sup>2</sup> of land made of shingle beach, sand dune, coastal defence and arable field. All of the land is within the AONB and forms part of the Suffolk Heritage Coast. Footpath 21 crosses the surface running north-south. The works adjoin Works Number 3A on the shoreline, and Works Number 4 in the arable field. There are twelve beach chalets located on the beach, and six will be directly above the tunnel zone.</p>	<p>The works are to lay three ducts below ground using a directional drilling technique, to facilitate the three export power cables that connect the offshore substation to the transition bays. This requires two pits to be excavated at either end of the drill tunnel, placing the spoil within the works area. The pit receiving the drill (seaward side) will be approximately 20m x 20m. The drilling pit (landward side) will be spaced to form the transition bays works described in Works Number 4. The excavated spoil is removed from this works site. The electrical cables are drawn through the ducts using a rig located at the drill site. The ducts are at varying depths and will remain at least one metre below ground, increasing to approximately sixteen metres beneath the coastal defences.</p> <p>The ducts require adequate spacing and for the cables to be evenly positioned within the 38m width of plot nos. 6,10,11 and 12.</p> <p>It is necessary to request the freehold title for the whole 38m width. The title will be offered back to the freehold owner subject to suitable protective restrictions.</p> <p>Beside the two drill pits and the anchor points it is not intended to disturb the surface of works number 3B. It is not expected that the beach chalets will be directly impacted by the drilling works or the operation of the GWF Project.</p> <p>A detailed description of these works can be found in the Environmental Statement, chapter 5, section 5.14.</p>

<sup>1</sup> Please note that Works nos. 1, 2, and 3A relate to offshore works and are not included within the CPO Schedule 1  
FINAL

## Gallopier Wind Farm Order

<b>Works Number 4</b>		
(1) Plot Numbers	(2) Description of the land	Description of works
13,14 and 16	5,870 m <sup>2</sup> of arable field. Field slopes down to the north of the works area towards Sizewell Gap Road. All of the land is within the AONB, and forms part of the Suffolk Heritage Coast.	<p>This item of the GWF Project is where the multi-core submarine ‘export’ cable is joined to single-core on-shore cables. Each export cable requires a concrete lined, flat bay, referred to as a ‘transition bay’. There will be provision for 3 export cables and each cable will have its own bay and link box. The bays and the associated link boxes will be underground with a concrete cover and man-access.</p> <p>The freehold title is required for the fenced compound and any supporting earthworks.</p> <p>A permanent access to the fenced compound will utilise the existing track that accesses the GGOWL transition bays. Plot no 16 is a new connection to the existing access track, and required permanently. Due to the exact position of the transition bay compound not currently being known, it is necessary to include provision for the new access connection within plot 13 so that the access connects to the compound.</p> <p>The drilling pit for the drilling equipment will also be positioned in this area whilst the three ducts are drilled.</p> <p>The concrete cover to the transition bays and associated link boxes will be permanently fenced to ensure no unauthorised access during the operation of the this part of the GWF Project; the enclosed compound area will be approximately 30m x 30m.</p> <p>Each transition bay will be approximately 12.5m x 4.0m but to allow flexibility with the drilling alignment both to the east into Works Number 3B and to the west into Works Number 5 it is necessary to maintain a limit of deviation of 15m north-south and 60m east-west.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 5.15.</p>

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Works Number 5		
(1) Plot Numbers	(2) Description of the land	Description of works
15,18, 20, 21, 22, 23, 24, 25, 27, 28, 30, 31, 32, 34, 37, 39, 40, 44, 57, 60, 74	36,354 m <sup>2</sup> of arable field, and field verge. Highways known as Sizewell Gap Road and Sizewell Hall Road. All of the land is within the AONB, and part of the land (east of Sizewell Hall Road) is within the Suffolk Heritage Coast.	<p>This section of the GWF Project relates to the underground onshore cables, between the transition bays and the GWF Project substation. Each of the three export cables will be split into three single core power cables and each placed in a separate duct. Four additional ducts will be placed in the trench for supporting apparatus. In summary there are seven ducts in each of the three trenches.</p> <p>As referred to in paragraphs 11.14 - 11.16 of this Statement, each trench will be up to 2m wide and have a separation distance of 5.5m between the neighbouring trench, with 5.5m protection either side of the outside trenches. In general the three trenches will require a total protection area of 23m, although this may be widened up to 33m where the cables are directionally drilled under the two roads. The trenches will be back filled with at least 900mm cover, and restored to arable use.</p> <p>To allow for unforeseen obstacles it is necessary to include a limit of deviation of 38m, within which the expected twenty three metre corridor will be placed. The freehold title of any surplus land will be offered back to the owners after completion of the GWF Project.</p> <p>The temporary construction areas will also be placed within the 38m width. This will enable separation and storage of topsoil and subsoil, adequate vehicle access route and the working area for the three trenches.</p> <p>To lay the cables beneath the two highways, it is intended to drill beneath the highway. Provision has been made for temporary works areas to facilitate the drilling equipment either side of the roads.</p> <p>The area immediately to the west of the transition bay is more complex due to the presence of other electrical cables for the GGOWF and is explained in paragraph 11.14 of the Statement. .</p> <p>As is explained in section 11 of the Statement, to ensure proper protection from future</p>

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<b>Works Number 5 (cont.)</b>		
(1) Plot Numbers	(1) Plot Numbers	(1) Plot Numbers
		<p>operations above or close to the cables it is necessary to request to freehold title for the whole area. This title will be offered back to the freehold owner subject to suitable protective restrictions relating to development near and above the cables and the ability to restrict growth of vegetation.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 5.16</p>

## Galloper Wind Farm Order

<b>Works Number 6</b>		
(1) Plot Numbers	(2) Description of the land	Description of works
76, 79, 80	22,886 m <sup>2</sup> of arable field, and field verge. All of the land is within the AONB.	<p>This section of the GWF Project relates to the compound being part of the substation area. The GWF Project compound is required for electrical plant and equipment to control and facilitate the export of electricity from the offshore wind farm to the 400kV national electricity transmission network.</p> <p>The footprint of the GWF Project compound is 170m x 130m and will contain building structures up to 14m in height with lightening rods extending to 17m. To reduce the impact of the compound, the ground level will be lowered by up to 2m. The spoil will be used to form the landscaping slope described in Works Number 7. A concrete base will be poured across the footprint for the GWF Project compound.</p> <p>The freehold title is required for these works.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 5.17.</p>

## Gallopier Wind Farm Order

<b>Works Number 7</b>		
(1) Plot Numbers	(2) Description of the land	Description of works
53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 72, 73, 74, 75, 77, 78, 81, 82, 83, 84, 86	59,295 m <sup>2</sup> of arable field, pasture and field verge. All of the land is within the AONB.	<p>This section of the GWF Project relates to the necessary landscaping mitigation measures. These measures have been adopted to reduce the visual and noise impacts of the substation.</p> <p>An earth slope will be created from the material removed from Works Number 6. This will raise the existing ground level by up to 5.0m. The slope will be formed to a gradient of 1:10 to integrate with the surrounding ground topography. Woodland trees will be planted on the north, west and south slopes to provide additional visual screening and to replace trees removed in Works Numbers 10A, 10B, 11 and 12. The middle of the slope will be planted with a mix of woodland edge trees, shrubs and open grassland, with the bottom of the slope returned to arable or pasture land use according to its pre-scheme use. This agricultural land (arable and pasture) will be offered back to the landowner to manage with the remainder of the field.</p> <p>The freehold title is required but the freehold title of any reinstated agricultural land will be offered back to the landowner, subject to restrictions to retain the new land profile.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 20, section 7.18.</p>



## Gallopier Wind Farm Order

<b>Works Number 9A and 9B</b>		
(1) Plot Numbers	(2) Description of the land	Description of works
127,130, 132, 134, 135, 136, 149, 150, 151, 152, 153, 154, 155	5,313 m <sup>2</sup> of fallow land, and woodland edge. All of the land is within the AONB.	<p>This section of the GWF Project is referred to as the 'sealing end compounds'. Work Number 9A being the western compound and Work Number 9B the eastern compound. This is the connection to the national electricity transmission system. Each compound will be fenced to protect against unauthorised entry. The compounds will each contain a 13m high gantry and will connect the 400kV lines from the transmission compound to the existing transmission towers. There are two transmission lines running parallel from the nuclear power station. Each compound connects to one of the towers. The gantries will be placed on a concrete base.</p> <p>The freehold title is required for the two sealing end compounds including land required to make each compound level.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 19.</p>

## Gallopier Wind Farm Order

<b>Works Number 10A and 10B</b>		
(1) Plot Numbers	(2) Description of the land	Description of works
89, 90, 140,148, 158,159, 164, 166, 169, 172	6,927m <sup>2</sup> of fallow land and woodland known as Sizewell Wents. All of the land is within the AONB.	<p>This section of the GWF Project relates to the 400kV underground cables that connect the transmission compound to the sealing end compounds. Works Number 10A relates to the cable that serves the western sealing end compound, and works Number 10B serves the eastern sealing end compound.</p> <p>These cables will be buried underground. To do this and to protect the cable from tree roots it is necessary to clear the trees along the cable route. In addition to the cable itself a protection area over the cable is required to facilitate access for repair and to prevent future development that could damage or interfere with the high voltage cables.</p> <p>There will be two trenches each carrying three cables and are 2.5m metres wide each. These trenches have to be separated by 10m. It is intended that the construction access will facilitate the space between the two cable trenches. An additional protection zone of 4m is required on the north side of the northern trench. The total corridor width will be 19m.</p> <p>To ensure proper protection from future operations above or close to the cables it is necessary to request the freehold title for the whole area. The title will be offered back to the freehold owner subject to suitable protective restrictions relating to development near and above the cables and the ability to restrict plant growth.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 16.</p>

## Gallopier Wind Farm Order

<b>Works Number 11</b>		
(1) Plot Numbers	(2) Description of the land	Description of works
92, 93, 94	8,737m <sup>2</sup> woodland known as Sizewell Wents, arable land and pasture. All of the land is within the AONB.	<p>This section of the GWF Project relates to the transmission compound. This connects to Works Numbers 6 and 10A, 10B and 12.</p> <p>The transmission compound is required to transform the electrical power from 132kV to 400kV so that it can connect to the national electricity transmission system.</p> <p>The footprint of the compound will be 130m x 70m, have a concrete base and be securely fenced to protect against unauthorised entry.</p> <p>The freehold title is required for this area.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 17.</p>

## Gallopier Wind Farm Order

Works Number 12		
(1) Plot Numbers	(2) Description of the land	Description of works
65, 66, 70, 71, 96, 98, 99, 100, 101, 102, 103, 107, 108, 114, 116, 122, 126, 127, 130, 131, 177	9,913m <sup>2</sup> woodland known as Sizewell Wents, and arable land. All of the land is within the AONB.	<p>This section of the GWF Project relates to two cables associated with the transmission compound and a telecommunications mast.</p> <p>Security of supply to the National Grid is essential; this requires alternative means of connecting the generated power from the transmission compound to the national transmission network. This can either be accomplished by reserve apparatus within the transmission compound, therefore requiring a larger footprint, or by providing an alternative connection to the Grid. National Grid identified that an alternative connection could be made to the Sizewell B substation, located within the Nuclear Power Station site. This connection requires underground 132kV cables to be joined into the existing 132kV cables that connect the National Grid Leiston A substation to the National Grid Sizewell B substation. From both an economic and space requirement perspective, including the connection to the existing substation is the optimal solution.</p> <p>As a consequence it is necessary to break into the existing connection between Leiston A substation and Sizewell B substation and create a new loop connection via the new transmission compound.</p> <p>Part of these cables will be located beneath the new access road to the GWF substation. For safety and security reasons it is necessary to exclude all non-essential personnel and therefore it is necessary to acquire the freehold to this land.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 17.</p>

## Gallopier Wind Farm Order

Additional works in relation to Works Numbers 3B-12		
(1) Plot Numbers	(2) Description of the land	Description of works
1,2,3,4,5,7,8,9	20,068m <sup>2</sup> of land made of shingle beach, sand dune, coastal defence and arable field. All of the land is within the AONB and forms part of the Suffolk Heritage Coast. Footpath 21 crosses the surface running north-south. The works adjoin works number 3a on the shoreline, and works number 4 in the arable field. There are six beach chalets located on the beach, six will be directly above the tunnel zone.	<p>The section of the GWF Project relates to items of work that are not specified in any of the above works numbers.</p> <p>Access and temporary working area required to facilitate Work Number 3B. The land will be used for the reception pit and working space required for the directional drilling works of Work Number 3B.</p> <p>Up to four temporary anchor points will be required to be positioned on the beach to secure the cable laying barge whilst work to pull the cable to the transition bay is undertaken. These anchor points will be required on each occasion a cable is brought ashore.</p> <p>A detailed description of these works can be found in the Environmental Statement, chapter 5, section 5.14.</p>
123, 124, 144, 145	3,130m <sup>2</sup> of arable land.	<p>This part of the GWF Project relates to landscaping mitigation, and will create a strip of woodland and shrubs aimed at producing a thick visual screen against views looking west from the village of Sizewell. The freehold of this land is required to undertake the works but the land can be offered back to the freeholder subject to sufficient rights to retain and maintain the planting. Vehicular access is required from Sizewell Gap Road to facilitate this planting.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 20, section 7</p>

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Additional works in relation to Works Numbers 3B-12		
(1) Plot Numbers	(2) Description of the land	Description of works
88, 173	975m <sup>2</sup> of bridleway verge.	<p>This part of the GWF Project relates to landscaping mitigation and will create a thicker hedge and visual screen from the bridleway that runs close to the north of the Order Limits.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 20, section 7.</p>
17, 18, 19	1,120m <sup>2</sup> of access track.	<p>This part of the GWF Project relates to the access to the transition bays. A right to access Works Number 4 is required for all vehicles at all times of day. GWFL requires the freehold title to construct a suitable access and will offer the land back to the owner subject to a right of access and rights to maintain the access track.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 15.</p>
77, 78, 79, 100, 101, 102, 103, 104, 105, 107, 111, 112, 115, 116, 117, 119	5,878m <sup>2</sup> of access road.	<p>This part of the GWF Project relates to the permanent access to the substations site. Part of the track currently exists and was built as part of the GGOWF project. Access to Works Numbers 6 and 11 is required for all vehicles at all times of day. GWFL requires the freehold title to the track and will grant rights of access to GGOWL and NGET. In addition local services may be laid in the driveway to service the new substation. A right to oversail with vehicles an additional piece of land (plot no. 119) is required to facilitate abnormal loads turning into, and out of, the driveway from Sizewell Gap Road. This right is required permanently to facilitate replacement plant</p>

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Additional works in relation to Works Numbers 3B-12		
(1) Plot Numbers	(2) Description of the land	Description of works and machinery.

## Gallopier Wind Farm Order

<b>Additional works in relation to Works Numbers 3B-12</b>		
(1) Plot Numbers	(2) Description of the land	Description of works
125, 126, 128, 129, 131, 137, 138, 139, 140, 147, 148, 156, 157, 158, 159, 160, 168	17,611m <sup>2</sup> of fallow land.	<p>The freehold title is required for the construction area for the sealing end compounds. This land will be offered back to the landowner subject to a right of access and a right to occupy the land for the purposes of decommissioning the sealing end compounds.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 17.5.</p>
66, 68, 69	95m <sup>2</sup> of Woodland	<p>The freehold title is required to provide a replacement telecommunications mast for GGOWL. The current mast is located within the woodland that forms part of GWF Works Number 11. This mast requires line of sight to the south west and is a fundamental communications mast for the operation of GGOWF. This alternative site has been identified with GGOWL.</p> <p>A detailed description of these works can be found in the Environmental Statement, Chapter 5, section 17.5</p>