

**CUMULATIVE LANDSCAPE AND VISUAL ASSESSMENT  
REPRESENTATIVE VIEWPOINT ASSESSMENT**

<b>Viewpoint 1: Roseberry Topping Panoramic Viewpoint (within North York Moors National Park)</b>		
<b>Date</b> 08/09/2014	<b>Co-ordinates</b> E457913 N512607 elev 318m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Elevated sandstone outcrop on the Cleveland Hills northern escarpment, National Trust land and highly popular panoramic viewpoint. 360° long distance panoramic views including into NYMNP to moorland horizons in the south, across the Vale of York to the west, across farmland with extensive plantations and woodlands to the Eston Hills escarpment and (beyond) the Teesside built up and industrial area to the north, across the Guisborough built up area to the Tocketts Lythe site in the north east, along the Cleveland Hills escarpment ridge due east. In the distant north east the North Sea forms the horizon.</p> <p>The Guisborough built up area, Teesside industrial areas, pylons to the north and telecommunications masts on the Eston Hills ridge to the north are existing detractors within the view.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (19.1km)									Not visible
RAF Fylingdales (32.5km)									Not visible
Bank Field wind farm (4.7km)									The development would be visible against sea and sky horizons within mid-ground views to the north east, viewed within context of existing wind turbines in background
Dove's Nest winding towers (32.2km)									Not visible
Lady Cross winding tower (24.2km)									Not visible
Lockwood Beck winding tower (9.6km)									Not visible
Tocketts Lythe winding tower (6.9km)									Tower would be partially visible to east beyond Guisborough built up area, seen against wooded background without breaking horizon, very small scale of change and difficult to perceive within the overall scale of the view.

<p><b>Cumulative effect and significance</b></p> <p>The proposed winding tower would be difficult to perceive within the distant view, with existing urban detractors and features remaining the dominant elements within the view. The winding tower would be viewed in combination with the proposed Bank Field wind farm development but the cumulative effect of both developments would not change from that arising from the Bank Field wind farm in isolation.</p> <p>Cumulative effect – minor moderate adverse (Bank Field wind farm) (no cumulative change)</p>
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<b>Viewpoint 2: Highcliff Nab Panoramic Viewpoint (within North York Moors National Park)</b>		
<b>Date</b> 30/08/2014	<b>Co-ordinates</b> E461026 N513843 elev 311m	<b>Weather Conditions</b> High cloud, good visibility.

**View context and description**  
Elevated sandstone outcrop on the Cleveland Hills northern escarpment and popular panoramic viewpoint.

360° long distance panoramic views across the Eston Hills escarpment to north, along the Cleveland Hills escarpment to east and west and south into NYMNP. Views towards the Tocketts Lythe site are of a complex, wooded farmed landscape and are dominated by the Guisborough built up area immediately below the viewpoint.

The Tocketts Lythe site is backgrounded by undulating coastal farmland with extensive woodland cover.

Industrial areas and off shore wind turbines at Teesside are visible in the distance to the north west.

**View sensitivity - High**

View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (15.8km)									Not visible
RAF Fylingdales (30.5km)									Not visible
Bank Field wind farm (3.5km)									Clearly visible rising above woodland cover to north, seen against land and sea horizons with existing offshore wind farm in background.
Dove's Nest winding towers (29.5km)									Not visible
Lady Cross winding tower (21.4km)									Not visible
Lockwood Beck winding tower (6.4km)									Not visible
Tocketts Lythe winding tower (4km)									Winding tower and spoil placement area would be visible amongst woodland cover to north east, beyond the Guisborough built up area, contained below land horizon, and small scale of change within a large and complex view.

**Cumulative effect and significance**

The proposed Bank Field wind farm, existing offshore wind turbines and Guisborough built up area would continue to draw the eye within the view. The Tocketts Lythe winding tower and ground level activity would be visible but would not result in an increased adverse cumulative impact and would not change the overall character or balance of the existing view. Bank Field and Tocketts Lythe would be seen in succession.

Cumulative effect – moderate adverse (Bank Field wind farm) (no cumulative change)

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<b>Viewpoint 3: Airy Hill – Cleveland Way National Trail</b>		
<b>Date</b> 23/07/2014	<b>Co-ordinates</b> E464276 N516443 elev 210m (looking west) (3b) E464902 N517242 elev 194m (looking south and east) (3a)	<b>Weather Conditions</b> Hazy, moderate visibility.

**View context and description**  
Ridge top footpath crossing open arable farmland with woodland plantations, rising ground and hedgerows break up or screen views screen to north and west. West and south directions not visible at same time, two photo sets taken. Within view looking west, foreground mature plantation on hillside foreshortens views to the Tocketts Lythe site, the Guisborough built up area is present in the distant mid-ground, with the Eston Hills escarpment and Teesside/ mouth of Tees estuary visible to the north west. Large buildings, chimney stacks and vapour plumes are visible at Teesside.

Within the view looking south and east Boosbeck is present in the mid-ground, the Lockwood Beck site is not visible, lying behind a landform ridge and distant woodland cover.

**View sensitivity - High**

View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (12km)									Not visible
RAF Fylingdales (29.4km)									Not visible
Bank Field wind farm (4.7km)									Visible against the land horizon and against the backdrop of the Teesside industrial area, within forward line of view when walking west
Dove's Nest winding towers (27.3km)									Not visible
Lady Cross winding tower (19.4km)									Not visible
Lockwood Beck winding tower (3.9km)									Not visible
Tocketts Lythe winding tower (1.6km)									Not visible, potential visibility on line of Cleveland Way indicated on ZTV mapping is screened by mature hedgerows

**Cumulative effect and significance**

Tocketts Lythe and Lockwood Beck winding towers would not be visible from this elevated section of the Cleveland Way. Bank Field wind farm would be the only visible element.

Cumulative effect – moderate adverse (Bank Field wind farm) (no cumulative change)

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<b>Viewpoint 4: Smeathorns Road/ Moorsholm Moor (Access Land within North York Moors National Park)</b>		
<b>Date</b> 30/08/2014	<b>Co-ordinates</b> E467073 N512042 elev 276m	<b>Weather Conditions</b> High cloud, good visibility.

**View context and description**

Moorland foreground gives way to mixed wooded farmland with settlements and a sea backdrop in the north east, with rising moorland foreshortening views to the west and long distance views to smooth moorland horizons in the east and south. The Lockwood Beck site lies almost due north, amongst wooded farmland, with houses at Stanghow visible on the land/ sea horizon and a single small wind turbine east of the site, drawing the eye. Boulby Mine and RAF Fylingdales are difficult to discern (although the Boulby dryer stack becomes slightly more noticeable when the vapour plume is being emitted) and have negligible influence on view character.

**View sensitivity - High**

View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (11km)									Top of dryer stack and associate plume distantly visible against the sea at a dip in the landform, very small scale of change within an expansive view and difficult to discern
RAF Fylingdales (24.5km)									Very distantly visible as a very small element on the furthest horizon to the south west, not readily discernible within the expansive view.
Bank Field wind farm (9km)									Not visible
Dove's Nest winding towers (23.2km)									Not visible
Lady Cross winding tower (15.1km)									Not visible
Lockwood Beck winding tower (2.1km)									Tower and spoil placement areas readily noticeable within forward views to the north, medium scale change within the view, vertical tower forms a contrasting feature but does not break the land/ sea horizon.
Tocketts Lythe winding tower (6.7km)									Not visible

**Cumulative effect and significance**

The Boulby Mine dryer stack and RAF Fylingdales are not readily perceptible within the view, both appearing as very small features within a large scale panoramic view. The Tocketts Lythe winding tower and, to a lesser degree, spoil placement areas, would form new noticeable elements in the view but would not combine with existing detractors to increase cumulative impact. View features would be seen in succession.

Cumulative effect – moderate adverse (Tocketts Lythe winding tower and spoil placement areas) (no cumulative change)

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<b>Viewpoint 5: Rockhole Hill (within North York Moors National Park)</b>		
<b>Date</b> 07/09/2014	<b>Co-ordinates</b> E474933 N519131 elev 206m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Public right of way on high and open coastal hill, close to Cleveland Way National Trail (which lies further east and is enclosed by foreground features). Note Warsett Hill viewpoint discounted on the basis of similar view context as Rockhole Hill.</p> <p>Views towards Boulby Mine are mostly blocked by intervening rising ground, drystone wall and tall grass cover. Potential views from the Cleveland Way, further north of the selected viewpoint, would open up to Boulby Mine but views towards Lockwood Beck would be dominated by a foreground telecommunications mast.</p> <p>Views to Lockwood Beck are across open, rolling coastal farmland, giving way to mixed farmland and woodland around the site in the mid-ground. Smooth, distant moorland horizons lie behind the site to the south. The Boulby Mine dryer stack is just visible to the south east. Views south are across open coastal farmland to a distant uneven (wooded) horizon.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (1.5km)									The top of the dryer stack and plume are only just visible to the south east, forming a small scale feature in an expansive view.
RAF Fylingdales (24.9km)									Not visible
Bank Field wind farm (15.4km)									Blades would be partially visible above the land horizon to the west, forming a small element within an expansive view.
Dove's Nest winding towers (19.8km)									Winding towers would be very distantly visible on the horizon in the south east, forming a very small change.
Lady Cross winding tower (13.3km)									The winding tower would be very distantly visible on the horizon in the south east, forming a very small change.
Lockwood Beck winding tower (9km)									The winding tower would be partially visible above intervening woodland cover and would lie below the land/ sky horizon, resulting in a small scale of change within the view.
Tocketts Lythe winding tower (12.1km)									Not visible, the site and winding tower lie behind an intervening landform ridge with woodland cover.

<p><b>Cumulative effect and significance</b></p> <p>The Lockwood Beck winding tower and Bank Field wind turbine would be viewed in combination when looking west. The cumulative adverse impact of both features not be greater than the individual impacts. The Boulby Mine dryer stack, Lady Cross winding tower and Dove's Nest winding towers would be seen in combination, and in succession with Lockwood Beck Bank Field wind farm, to the south east. The Dove's Nest and Lady Cross towers would be almost imperceptible within the view and would not increase the adverse effect associated with the Boulby Mine dryer stack.</p>
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When all features are taken together the existing character of the view would remain. When viewed in combination and succession existing and proposed features would be of such small scale that they would not be sufficient to raise the impact significance associated with any one feature.

Cumulative effect – minor adverse (Lockwood Beck winding tower, Bank Field wind farm, Boulby Mine dryer stack) (no cumulative change)

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<b>Viewpoint 6: Liverton Moor (Access Land within North York Moors National Park)</b>		
<b>Date</b> 31/08/2014	<b>Co-ordinates</b> E471926 N512046 elev 231m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>View from minor road set within open moorland, near junction with A171. Smooth moorland horizons are visible from the south east to the south west, with the elevated landform of Danby Low Moor (Danby Beacon) foreshortening some views to the south east. Undulating coastal edge farmland with a sea horizon extends from the north west to the east, with Freeborough Hill in the mid-ground to the north west. Views west are foreshortened by rising moorland. The wooded northern edge of the Esk valley is visible to the south east, with the Sleights Moor ridge visible on the skyline beyond.</p> <p>The A171, with associated traffic and road signage forms a foreground visual detractor to the north. A single wind turbine to the north also forms a detractor within the view. Distant offshore wind turbines at Teesside are visible to the north west.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (7.5km)									The dryer stack and upper parts of mine building are visible as very small scale elements against the land/ sea horizon to the north, amongst foreground road signage.
RAF Fylingdales (20.9km)									Not visible
Bank Field wind farm (13.3km)									Not visible
Dove's Nest winding towers (18.6km)									Towers would be visible on the very distant horizon to the south east, forming very small scale components breaking the land/ sky horizon.
Lady Cross winding tower (10.6km)									Upper part of tower would be visible above woodland cover at the land/ sky horizon forming a distant small scale feature.
Lockwood Beck winding tower (4.9km)									Upper part of tower and spoil placement activity would be visible below the land/ sky horizon amongst complex wooded farmland landscape to north west, forming a small scale feature within the view.
Tocketts Lythe winding tower (10.4km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>The Lady Cross winding tower and Dove's Nest towers would be viewed in combination but at the distant involved significance would not change from that associated with the Lady Cross tower. In succession views to towers would be possible from south east to north west. Visible elements are mostly very distant and very small scale. Cumulative impact would not exceed the minor moderate level occurring at Lockwood Beck.</p> <p>Cumulative effect – minor moderate adverse (Lockwood Beck winding tower and spoil placement activity) (no cumulative change)</p>
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<b>Viewpoint 7: Danby Beacon Panoramic Viewpoint (Access Land within North York Moors National Park)</b>		
<b>Date</b> 30/08/2014	<b>Co-ordinates</b> E473607 N509277 elev 300m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Set within elevated open moorland, with 360° distant panoramic views to smooth moorland horizons to the west, south and south east and an undulating land and sea horizon to the north and north east. Valley farmland along Eskdale forms mid-ground variation and interest from south west to south east.</p> <p>RAF Fylingdales forms a very small feature on the south west horizon. The full height of the Boulby Mine dryer stack, along with associate vapour plume, is visible above the undulating land/ sea horizon in the north but does not break the sea/sky horizon.</p> <p>Views towards Lady Cross Plantation and Dove's Nest Farm are of relatively smooth horizons with some darkness and unevenness created by mature plantations. Views towards Lockwood Beck are of mixed farmland/ woodland, leading to the costal edge, with offshore wind turbines at Teesside visible in the far distance.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (9.3km)									Chimney stack visible against the land/ sea horizon at dip in undulating coastal edge landform to the north, very small scale feature within the view, plume increase prominence slightly.
RAF Fylingdales (17.7km)									Appears as a very small scale form on the distant south east land/ sky horizon.
Bank Field wind farm (16km)									Tips of turbines potentially visible but would not be perceptible at the scale and distance involved.
Dove's Nest winding towers (16.1km)									Would form very small scale features breaking the land/ sky horizon to the east, seen in combination with Lady Cross winding tower.
Lady Cross winding tower (8km)									Would form a very small scale feature to the east, set amongst distant plantation cover, just below the land/ sky horizon, seen in combination with Dove's Nest winding towers.
Lockwood Beck winding tower (7.8km)									Very small scale feature to the north west, rising out of woodland cover against a complex undulating farmland background, set below land/ sky horizon, would be difficult to discern.
Tocketts Lythe winding tower (13.3km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>Dove's Nest Farm and Lady Cross winding towers would be seen in combination but would not increase significance above that of the individual features (minor adverse). All features would be seen in succession along with Boulby Mine dryer stack and RAF Fylingdales. Although visible, proposed features are very distant within a wide scale view. Cumulative significance would not exceed that of the most visible individual features (minor adverse)</p> <p>Cumulative effect – minor adverse (Dove's Nest, Lady Cross and Lockwood Beck winding towers) (no cumulative change)</p>
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<b>Viewpoint 8: Newton Mulgrave Moor (within North York Moors National Park)</b>		
<b>Date</b> 31/08/2014	<b>Co-ordinates</b> E477435 N513457 elev 214m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Open moorland with long distance views southwards in an arc from east to west, across layered plantations, hinterland farmland and distant smooth moorland horizons.</p> <p>Views to the north and north west are screened by rising ground and colonising tree and scrub cover and/or filtered by thin conifer plantations.</p> <p>Views south east to Lady Cross are characterised by wooded mid-ground horizons with the higher, smooth moorland horizon of Sleights Moor beyond. Views south and west are across relatively open farmland with intermittent tree cover to layered moorland horizons beyond.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (4.9km)									Not visible
RAF Fylingdales (18.7km)									Not visible at viewpoint (checked with binoculars).
Bank Field wind farm (18.2km)									Tips of turbines potentially distantly visible to west but scattered tree and scrub cover breaks up/ screens views to north east
Dove's Nest winding towers (14.3km)									Not visible
Lady Cross winding tower (7.1km)									Upper section of winding tower would be visible breaking Esk valley north flank horizon with backgrounding against distant moorland beyond, would not break land/ sky horizon. Very small scale element within the expansive view.
Lockwood Beck winding tower (10km)									Potentially distantly visible to west but scattered tree and scrub cover breaks up/ screens views to north east
Tocketts Lythe winding tower (14.9km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>Lady Cross and Lockwood Beck winding towers could potentially be seen in succession, to the south east and west. Both features would form small or very small distant components within views, resulting in no cumulative increase above individual impacts.</p> <p>Cumulative effect – minor adverse (assumed worst case Lockwood Beck within potential open views) (no cumulative change)</p>
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<b>Viewpoint 9: Potato Hill (A174) (within North York Moors National Park)</b>		
<b>Date</b> 31/08/2014	<b>Co-ordinates</b> E482837 N513252 elev 194m	<b>Weather Conditions</b> High cloud, good visibility.

**View context and description**  
Low hill within coast and coastal hinterland LCA. Viewpoint selection was restricted by tall roadside hedgerows, most open view position was selected.

Views to north are screened by dense hedgerows. More open views are possible in an arc from the south east to south west, although foreground hedgerows, trees and traffic signs break the view up. At gaps in foreground cover the wooded northern ridge of the Esk valley is visible on the skyline to the south, with tree cover forming a slightly uneven horizon. The south view mid-ground comprises coastal hinterland farmland, giving way to very distant smooth moorland horizons.

The A174 road forms a foreground visual detractor.

**View sensitivity - High**

View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (8.2km)									Not visible, views to north west are screened by hedgerow field boundaries.
RAF Fylingdales (16.5km)									Not visible
Bank Field wind farm (23.5km)									Not visible
Dove's Nest winding towers (10.1km)									Not visible at viewpoint due to hedgerow screening. Potential filtered winter views would be possible, with towers forming very small scale new elements breaking the land/ sky horizon.
Lady Cross winding tower (5.8km)									Difficult to discern from the viewpoint due to interruption of the view by foreground traffic signage and trees, potential for visibility of the upper part of the tower rising above the uneven wooded land/ sky horizon to the south.
Lockwood Beck winding tower (15.4km)									Not visible
Tocketts Lythe winding tower (20.3km)									Not visible

**Cumulative effect and significance**

Foreground cover typically screens or filters views towards Dove's Nest Farm and Lady Cross. Views to Boulby Mine are screened by hedgerows. Within the view proposed towers would be difficult to discern and would not create a cumulative impact. At more open viewpoints, potentially from the A174, both sites may be visible but cumulative impact would be expected to remain the same, based on impact associated with the Lady Cross winding tower.

Cumulative effect – minor adverse (Lady Cross winding tower) (no cumulative change)

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<b>Viewpoint 10: Egton Low Moor (within North York Moors National Park)</b>		
<b>Date</b> 31/08/2014	<b>Co-ordinates</b> E483351 N508240 elev 256m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Open moorland (without public access) on the crest of the northern flank of the River Esk valley, with panoramic open views in an arc looking south from east to west.</p> <p>Rising ground and tree/ scrub cover foreshortens eastward views, conifer plantation encloses views due north. Long distance open views across Esk valley farmland to distant moorland tops are possible to the south, including along Little Beck valley and to the Ugglebarnby Moor wooded ridge in the south east.</p> <p>To the south and west the view runs along the Esk valley to distant moorland horizons. The view runs along the heavily wooded northern flank of the valley to the east showing the topographical relationship between Egton, Lady Cross Plantation and the A171. To the north west distant views across hinterland farmland are possible towards Lockwood Beck.</p>
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**View sensitivity - High**

View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (12.2km)									Not visible, views to north west screened by foreground tree cover.
RAF Fylingdales (11.6km)									Not visible, screened by higher intervening ground across Sleights Moor.
Bank Field wind farm (25.3km)									Not visible
Dove's Nest winding towers (6.5km)									The towers would be distantly visible in the south east, rising above woodland at the land/ sky horizon on the Ugglebarnby Moor ridge. Within the overall scale and expanse of the view scale of change would be low.
Lady Cross winding tower (1.8km)									The upper section of the winding tower would be clearly visible in the west rising above woodland cover, against a background of higher distant landform. Scale of change within the overall view would be small.
Lockwood Beck winding tower (16.9km)									Upper section of tower would from a very small scale feature within the distant view, amongst undulating wooded farmland and below the land/ sky horizon.
Tocketts Lythe winding tower (22.3km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>The Lockwood Beck winding tower would be very difficult to discern within views. The Lady Cross winding tower and Dove's Nest winding towers would be seen in succession when looking from west to east, with the Lady Cross tower forming the most noticeable element. Overall, the cumulative impact of both features would not exceed the single impact associated with the Lady Cross tower.</p> <p>Cumulative effect – moderate adverse (Lady Cross winding tower) (no cumulative change)</p>
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<b>Viewpoint 11:</b> <b>Egton village (within North York Moors National Park)</b>		
<b>Date</b> 31/08/2014	<b>Co-ordinates</b> E481072 N506871 elev 187m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>The village is set midway up northern flank of the River Esk valley, with views to the north across farmland and foreshortened by the rising northern, wooded flank of the Esk valley. The viewpoint is set within an open area of farmland to the north east of the village.</p> <p>Distant views are possible to the smooth moorland horizon of Sleights Moor in the east and south. More limited views are possible to distant horizons to the edges of Sleights Moor including the Ugglebarnby Moor ridge in the east and to RAF Fylingdales and higher ground to the south. Foreground farmland, with hedgerows and trees partially breaks up views and creates visual complexity.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (12.3km)									Not visible
RAF Fylingdales (11.2km)									Upper part of structure breaks the land/ sky horizon in the south east but forms a very small scale component of the view.
Bank Field wind farm (23.8km)									Not visible
Dove's Nest winding towers (8.3km)									Towers would be visible above the wooded horizon, above the northern flank of Sleights Moor in the east.
Lady Cross winding tower (870m)									The upper part of the tower would be clearly visible above the wooded skyline within relatively close range views to the north east
Lockwood Beck winding tower (15.4km)									Not visible
Tocketts Lythe winding tower (20.9km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>Lady Cross winding tower would remain the dominant feature within the view, with Dove's Nest winding towers and RAF Fylingdales remaining small, albeit skyline, components within the relatively complex scene looking east and south. These features would be viewed in succession within an arc from the south to the north east. Visibility of additional distant features would not increase the significance level associated with the Lady Cross winding tower.</p> <p>Cumulative effect – Moderate major adverse (Lady Cross winding tower) (no cumulative change)</p>
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<b>Viewpoint 12: Egton High Moor (Access Land within North York Moors National Park)</b>		
<b>Date</b> 31/08/2014	<b>Co-ordinates</b> E476953 N502742 elev 292m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Open moorland with long distance extensive views to the north, east and south east, with rising moorland foreshortening views to the south and west</p> <p>To the north east the Lady Cross site is visible as part of the wooded northern flank of the Esk valley, with higher ground beyond to the west and views along the lower Esk valley to Whitby and the North Sea further east of the Lady Cross site.</p> <p>The western flank of Sleights Moor forms a horizon in the east, with large scale plantations at Newton House and Langdale Forest combining with Fylingdales Moor to form an uneven horizon in the south east.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (15.5km)									Not visible
RAF Fylingdales (11.1km)									Visible to south east. Mostly set below the skyline but light colour stands out against dark plantation backdrop, overall forms a very small scale feature within an expansive view.
Bank Field wind farm (22.5km)									Not visible
Dove's Nest winding towers (12.7km)									Not visible, views blocked by Sleight Moor ridge.
Lady Cross winding tower (6.6km)									Visible to north east, with tower rising above woodland cover and breaking the distant horizon line. Spoil placement activity technically visible in the northern field but would be difficult to distinguish. Overall very small scale change within a panoramic view.
Lockwood Beck winding tower (14.8km)									Not visible
Tocketts Lythe winding tower (20.2km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>RAF Fylingdales and the Lady Cross tower would be seen as successive, very small scale objects within a panoramic view. Cumulative impact would be no greater than the individual impacts.</p> <p>Cumulative effect – minor adverse (RAF Fylingdales and Lady Cross winding tower) (no cumulative change)</p>
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**CUMULATIVE LANDSCAPE AND VISUAL ASSESSMENT  
REPRESENTATIVE VIEWPOINT ASSESSMENT**

<b>Viewpoint 13: Danby High Moor (Access Lane within North York Moors National Park, close to C2C route)</b>		
<b>Date</b> 07/09/2014	<b>Co-ordinates</b> E470174 N501192 elev 432m	<b>Weather Conditions</b> High cloud, good visibility.

**View context and description**  
Elevated open moorland near trig point and Coast to Coast Walk with 360° distant panoramic views. Moorland dominates the view in all directions, forming shallow layered horizons to the west, north and south.

Roseberry Topping is visible on the far west horizon, off shore wind turbines at Teesside are visible to the north west, using binoculars. To the east the undulating farmland of the coastal edge is thinly visible below the North Sea horizon.

**View sensitivity - High**

View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (18km)									Upper part of stack forms a very small scale feature on the coastal land/ sea horizon to the north east and is set below the sea/sky horizon, barely discernible within the view although the plume increase visibility slightly.
RAF Fylingdales (16.8km)									Upper part of structure is set amongst layered horizons and below the land/ sky horizon to the south east, barely discernible within the large scale view.
Bank Field wind farm (19.1km)									Tips of turbines potentially visible but would not be perceptible at the scale and distance involved.
Dove's Nest winding towers (19.6km)									Not visible – views blocked by Sleights Moor landform
Lady Cross winding tower (13km)									Upper part of tower would be distantly visible above woodland cover and below the land/ sky horizon to the north east. Would form a very small scale element within the expansive view.
Lockwood Beck winding tower (13.2km)									Upper part of tower would be distantly visible above woodland cover and below the land/ sea horizon to the north west. Would form a very small scale element within the expansive view.
Tocketts Lythe winding tower (17.7km)									Not visible

**Cumulative effect and significance**

Both existing and proposed features would form very small scale, almost indiscernible features seen in succession within a very expansive view. Cumulative impact would be no greater than the individual impacts.

Cumulative effect – negligible adverse (all features) (no cumulative change)

CUMULATIVE LANDSCAPE AND VISUAL ASSESSMENT  
REPRESENTATIVE VIEWPOINT ASSESSMENT

<b>Viewpoint 14:</b> <b>A169 at Goathland Moor (within North York Moors National Park)</b>		
<b>Date</b> 07/09/2014	<b>Co-ordinates</b> E485704 N499522 elev 250m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Open moorland adjacent A169 with panoramic views in an arc from south east to north. Views to the north east and east are foreshortened by rising moorland.</p> <p>Views south are across rolling moorland ridges, with the A169 and Fylingdales forming significant visual detractors. Views west extend across farmland within the upper, southern reaches of Murk Esk valley to smooth moorland horizons and reach northwards into the Esk valley and beyond to the distant moorland horizon around Danby Beacon. The rising moorland ridge of Sleights Moor blocks views due north.</p> <p>The Lady Cross site is distantly visible to the west side of Sleights Moor, on the upper northern flank of the Esk valley, above and to the east of Egton.</p>
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**View sensitivity - High**

View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (20.9km)									Not visible
RAF Fylingdales (2.5km)									Full height of structure clearly visible, forming a prominent feature on the moorland skyline at relatively close range to the south east.
Bank Field wind farm (31.4km)									Not visible
Dove's Nest winding towers (7km)									Not visible – screened by rising intervening ground
Lady Cross winding tower (9km)									Visible as a distant small scale feature on the northern flank of the Esk valley to the north west. The tower may just break the uneven, treed skyline.
Lockwood Beck winding tower (23.3km)									Not visible
Tocketts Lythe winding tower (28.9km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>RAF Fylingdales and the Lady Cross winding tower would be seen in wide succession to the south east and north west respectively. Cumulative impact would not exceed the individual impact associated with RAF Fylingdales.</p> <p>Cumulative effect – moderate major adverse (RAF Fylingdales) (no cumulative change)</p>
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CUMULATIVE LANDSCAPE AND VISUAL ASSESSMENT  
REPRESENTATIVE VIEWPOINT ASSESSMENT

<b>Viewpoint 15: Sleights Moor/ Breckon Howe (Access Land within North York Moors National Park)</b>		
<b>Date</b> 30/08/2014	<b>Co-ordinates</b> E485375 N503409 elev 295m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Open moorland, ridge top setting on bowl barrow landform, 360° views in all directions. Layered moorland horizons to south, with plantations, farmed valley and moorland/ wooded horizons set against the sea to the east (including Little Beck valley and the Ugglebarnby Moor Ridge), with very distant views to the Ravenscar headland in the south east. Views north run along the moorland ridge to the skyline. To the north west Esk dale runs westwards between encompassing elevated moorlands.</p> <p>The A169 road and a parallel line of electricity pylons form noticeable visual detractors to the south east and east.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (17.4km)									Not visible
RAF Fylingdales (6.4km)									Full height of structure is visible to the south with upper half of the structure breaking the land/ sky horizon. Although clearly visible, the structure forms a small scale feature within the expansive view, beyond the A169 detractor.
Bank Field wind farm (29.2km)									Not visible
Dove's Nest winding towers (4.5km)									Upper parts of towers would be visible in the north east above the wooded Ugglebarnby Moor horizon, against the sea and beyond the A169 and pylon detractors.
Lady Cross winding tower (5.6km)									Upper part of tower would be visible above woodland cover and below the land/ sky horizon to the north west, on the opposite side of the Sleight Moor ridge to Dove's Nest.
Lockwood Beck winding tower (20.9km)									Not visible
Tocketts Lythe winding tower (26.4km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>Visible features would be seen in succession in an arc from the south to the north west. This would not be sufficient to increase the impact significance associated with the most visible feature (Dove's Nest winding towers).</p> <p>Cumulative effect – Minor moderate adverse (Dove's Nest winding towers) (no cumulative change)</p>
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CUMULATIVE LANDSCAPE AND VISUAL ASSESSMENT  
REPRESENTATIVE VIEWPOINT ASSESSMENT

<b>Viewpoint 16: Fylingdales Moor (Access Land within North York Moors National Park)</b>		
<b>Date</b> 14/06/2014	<b>Co-ordinates</b> E488660 N499198 elev 301m	<b>Weather Conditions</b> Low cloud, good to moderate visibility.

<p><b>View context and description</b> Elevated open moorland with 360° long distance panoramic views in all directions.</p> <p>To the south, RAF Fylingdales forms a prominent feature in the mid-ground, with steeply ridged landforms at Saltergate Moor and extensive woodland plantations at Langdale Forest visible along the horizon. The steeply incised valley of Newtondale is visible to the south west, with layered smooth moorland horizons extending to the west.</p> <p>To the north west, the ridgeline of Sleights Moor is visible beyond the Fylingdales Moor horizon. Extensive conifer plantation cover foreshortens views to the north and north east, including towards the Dove's Nest Farm site. To the north east, the landform falls away sharply, revealing undulating coastal edge farmland, falling to the sea at Robin Hood's Bay. The elevated landform of Howdale Moor (with telecommunications mast) forms a horizon to the east, along with extensive plantations at Harwood Dale Forest.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (22.7km)									Not visible
RAF Fylingdales (3km)									The full height of the SSPAR structure is visible along with lower support buildings and access roads to the east on a mid-ground horizon. Although the buildings are set against an uneven horizon they still form prominent features within the open landscape.
Bank Field wind farm (34.1km)									Not visible
Dove's Nest winding towers (6.3km)									The topmost sections of winding towers may be visible above mid-ground conifer plantations
Lady Cross winding tower (10.9km)									Not visible
Lockwood Beck winding tower (25.9km)									Not visible
Tocketts Lythe winding tower (31.4km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>The small scale of change associated with visible parts of Dove's Nest winding towers would not be sufficient to cumulatively increase the impact significance level above that associated with RAF Fylingdales.</p> <p>Cumulative effect – Moderate adverse (RAF Fylingdales) (no cumulative change)</p>
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CUMULATIVE LANDSCAPE AND VISUAL ASSESSMENT  
REPRESENTATIVE VIEWPOINT ASSESSMENT

<b>Viewpoint 17: Ugglebarnby Moor (Access Land within North York Moors National Park)</b>		
<b>Date</b> 07/09/2014	<b>Co-ordinates</b> E488945 N505850 elev 207m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Low moorland ridge with extensive areas of colonising tree and scrub cover limiting most views to the east and screening or filtering views to the south, west and north.</p> <p>Tree cover across the moor and in adjoining areas foreshortens views to the east and south and creates an uneven, gappy, treed skyline in view to the west and north. The smooth moorland horizon of Sleights Moor forms a distant horizon in the west and the wooded upper northern flank of the Esk valley forms a relatively smooth horizon, with some plantation cover, to the north west (both horizons lie beyond intermittent mid-ground tree cover).</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (17.7km)									Not visible
RAF Fylingdales (9.1km)									Not visible
Bank Field wind farm (31.4km)									Not visible
Dove's Nest winding towers (530m)									Upper sections of the winding towers would be visible amongst/ behind mid-ground tree cover, forming relatively noticeable geometric structures against the south eastern skyline.
Lady Cross winding tower (7.5km)									The winding tower would be occasionally visible at gaps in mid-ground tree cover, forming a very small feature just below the land/ sky horizon in the distant view to the north west along the Esk valley
Lockwood Beck winding tower (23km)									Not visible
Tocketts Lythe winding tower (28.4km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>The Lady Cross winding tower would be difficult to discern due to distance and rapidly changing enclosure provided by colonising tree cover across the moor and would not contribute significantly to cumulative effects. The Dove's Nest winding towers would remain the most noticeable features within the view.</p> <p>There are likely to be other positions on the moor where both features are visible within successive views. Again, this would not be considered sufficient to raise the single worst case significance value (attributed to the Dove's Nest winding towers).</p> <p>Cumulative effect – moderate major adverse (Dove's Nest winding towers) (no cumulative change)</p>
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CUMULATIVE LANDSCAPE AND VISUAL ASSESSMENT  
REPRESENTATIVE VIEWPOINT ASSESSMENT

<b>Viewpoint 18:</b> <b>Hawsker Bottoms/ National Cycle Route 1 (within North York Moors National Park)</b>		
<b>Date</b> 31/08/2014	<b>Co-ordinates</b> E493189 N507812 elev 118m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>View from popular walking and cycling route (Cinder Track, along former Scarborough to Whitby railway) set within undulating coastal farmland.</p> <p>Views east and north run across open pastoral farmland and are foreshortened by the coastal edge, with the North Sea forming a horizon. Whitby Abbey and Whitby are distantly visible to the north west.</p> <p>Views west are across undulating farmland, with increasing tree and hedgerow cover, to the wooded Ugglebarnby Moor ridge skyline and to the smooth moorland horizon of Sleights Moor beyond. To the west views extend into the Esk valley, with the northern valley flank forming the land/ sky horizon.</p> <p>A foreground electricity line on wooded poles forms a prominent visual detractor.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (19.9km)									Not visible
RAF Fylingdales (12.6km)									Not visible
Bank Field wind farm (34.8km)									Not visible
Dove's Nest winding towers (4.4km)									Winding towers would be clearly visible breaking the land/ sky horizon amongst woodland cover on the Ugglebarnby Moor ridge. Ground level activity would also be visible during the early stages of the scheme, reducing progressively as the eastern mound is formed.
Lady Cross winding tower (11.6km)									Upper section of tower would form a small scale feature on the northern Esk skyline within distant views to the west.
Lockwood Beck winding tower (26.5km)									Not visible
Tocketts Lythe winding tower (31.7km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>The features would be seen in relatively close succession when looking to the west. The eye would be drawn to the Dove's Nest winding towers and the foreground overhead electricity line, with the Lady Cross tower remaining a distant and recessive element in the view. The overall cumulative impact would not exceed that attributed to the view of Dove's Nest towers and ground level activity.</p> <p>Cumulative effect – moderate adverse (Dove's Nest winding towers and ground level activity) (no cumulative change)</p>
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CUMULATIVE LANDSCAPE AND VISUAL ASSESSMENT  
REPRESENTATIVE VIEWPOINT ASSESSMENT

<b>Viewpoint 19: Howdale Moor (Access Land within North York Moors National Park)</b>		
<b>Date</b> 31/08/2014	<b>Co-ordinates</b> E496844 N501194 elev 266m	<b>Weather Conditions</b> High cloud, good visibility.

<p><b>View context and description</b></p> <p>Open moorland near coastal edge at Ravenscar, with panoramic inland views. Views due east towards the sea are blocked by rising ground and tree/ scrub cover. Views along the coastal edge are possible to the open coastal farmland in the north and extensive plantations in the south.</p> <p>Expansive and long distance views inland, in an arc from south east to north, are possible across coastal hinterland farmland to layered large plantations and smooth moorland horizons. The wooded Ugglebarnby Moor ridge is visible below the distant western horizon of Sleights Moor. The northern flank of the Esk valley forms a distant horizon to the north west.</p> <p>A foreground telecommunications mast forms a visual detractor.</p>
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<b>View sensitivity - High</b>
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View feature (distance from viewpoint in brackets)	Magnitude of individual feature				Significance of individual feature				Description of effect
	neg	low	medium	high	neg	minor	moderate	major	
Boulby Mine dryer stack (26.7km)									Not visible
RAF Fylingdales (11.1km)									Could not be seen (checked with binoculars).
Bank Field wind farm (40.5km)									Not visible
Dove's Nest winding towers (8.6km)									Winding towers and ground level activity would be visible as a small scale change on the Ugglebarnby Moor ridge to the north west. The upper sections of towers would break the land/ sky horizon.
Lady Cross winding tower (16.5km)									Upper section of the winding tower would be distantly visible on the northern Esk flank, forming a very small scale change within the view.
Lockwood Beck winding tower (32.1km)									Not visible
Tocketts Lythe winding tower (37.5km)									Not visible

<p><b>Cumulative effect and significance</b></p> <p>RAF Fylingdales could not be seen from the viewpoint and the Lady Cross winding tower would be difficult to perceive, due to distance and scale, within the overall view. Impact significance would therefore not exceed that associated with Dove's Nest Farm.</p> <p>Cumulative effect – minor adverse (Dove's nest Farm, winding towers and ground level activity) (no cumulative change)</p>
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