

Torfichen Wind Farm

Technical Appendix 6.5 Viewpoint Assessment

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1 Viewpoint Assessment

1.1 Introduction

- 1.1.1 This Technical Appendix has been prepared to accompany Chapter 6 of the Environmental Impact Assessment (EIA) Report for Torfichen Wind Farm (hereafter the Proposed Development) and provides an assessment of the visual effects of the proposed wind farm from each of the 22 LVIA viewpoints. For each of the assessment viewpoints a short description is given of the baseline view followed by a description of the features of the proposed wind farm which would be visible from that viewpoint. For each viewpoint there is a comment on how vegetation, buildings or topography would affect the visibility of the turbines, as well as a comment on the sensitivity of the viewpoint, the magnitude of change experienced and the significance of visual impacts. Finally, a judgement is provided regarding whether the overall effect for each viewpoint is considered to be significant or not in terms of the EIA Regulations.
- 1.1.2 A list of each viewpoint location and receptor type represented is given in Table 6.2 Assessment Viewpoints of Chapter 6: Landscape and Visual within the EIA Report. The locations of these viewpoints are illustrated on Figure 6.3 illustrating the blade tip ZTV to 35 km with viewpoints and Figure 6.4 showing the blade tip ZTV to 20 km with viewpoints within Volume 3. For each viewpoint Sheet A illustrates the existing view and cumulative wireline at 90 degrees, Sheet B illustrates the wireline of the proposed wind farm at 53.5 degrees, and Sheet C shows a photomontage of the proposed wind farm at 53.5 degrees.

Viewpoint 1 - A7 Middleton Mains

Baseline							
Grid referend	ce	338584	657695		Elevation (m AOD)	264	
Nearest turb	ine	3,679 m (T18)	Direction t	to Pro	posed Development	South	-west
LPA		Midlothian	Landscape	Chara	acter Type	LCT 2 -Loth	69 Upland Fringe ians
Designations		N/A			Receptor	Road	users
Description	of B	aseline View				1	
shelterbelts. further wood are distant v	The Ilanc iews	e Moorfoot Hills p d blocks present o s of the Pentland	rovide the b on some of t Hills.	backdr the hil	towards Middleton A rop in the lefthand p lltops. In the rightha e in the lefthand pa	oart of th and part	ne view, with of the view ther
Receptor	Va	lue		Susce	eptibility		Sensitivity
	for its scenic qualities. busy tr However, it is acknowledged consider			ers of the A7. Road trunk roads are gen dered as having low ptibility.	users of erally	Low	
Magnitude o	f Ch	ange during dayl	ight hours				
experienced The Proposed occupy a me narrowest ex towers and s	at a d De diun tent ome	pproximately 3.6 velopment would n lateral extent o t. However, the e e of the hubs.	km and wo introduce a f the view, xisting shel	a med with t terbel	, including their hub e seen at a perpendi ium size and scale o the Proposed Develo Its partially screen t m high magnitude o	icular an of change opment s he lowe	gle from the roa e and would een from its r parts of the
Magnitude o	f Ch	ange during hou	rs of darkn	ess			
visible during would appea are currently road. With referen	g the r ab r pre	e hours of darknes ove the interveni esent. However, t o Figure 6.8 show	ss. The light ng shelterb here would wing the tur	ts wou elts in also b	' up to all seven of t Ild be seen as small a part of the lands be lights from vehicl ighting intensity, th elevation between t	, noticea cape whe es travel e intens	ble red lights tha ere no other ligh lling along the ity of the lights
viewpoint.							

Significance of Effect

During daylight hours receptors would experience a **moderate minor non-significant** effect. During the hours of darkness receptors would experience a **moderate minor non-significant** effect.

Baseline						
Grid reference	e 334870	654307 Elevation (m AOD) 332		332		
Nearest turbin	ne 575 m (T2)	Direction t	o Pro	posed Development	North	-west
LPA	Midlothian	Landscape	Chara	acter Type		66 Plateau and -Lothians
Designations	Gladhouse Reser Moorfoot Scarp S Landscape Area	pecial	pecial		Road SLA	users
Description of	f Baseline View					
view extends of distant views of coniferous and There are view	down the slopes of t of the Pentland Hills d deciduous woodlar	he scarp slo s in the left nd on the slo the distanc	opes a hand p opes a e and	road Law Corner on the nd across the rolling part of the view. The nd in the rolling land the Firth and Forth is diate foreground.	landsca re are scape b	pe below, with blocks of both pelow.
Receptor	Value		Susceptibility			Sensitivity
SLA	The viewpoint is loc within a landscape of for its scenic qualiti value is assessed as	designated es. Its	gene	of minor roads are rally considered to ha r susceptibility.	ve	Medium
Magnitude of	Change during dayl	ight hours				
experienced in very large late The turbines a are prominent	n very close proximi eral extent of the vie are set back from the in the view and for	ty at a dista ew. e brow of th m large sca	nce o ne hill le ele	buld be visible. This ch f approximately 575 r but due to the close ments in the view. igh magnitude of cha	n and v proxim	would occupy a
Magnitude of	Change during hou	rs of darkne	ess			
visible during would be expe currently pres road. With reference would be grea viewpoint.	the hours of darkness erienced in close pro- ent. However, there e to Figure 6.8 show tly reduced due to t	ss. The light eximity in a e would be o wing the tur he differen	ts wou part o occasi bine l ce in	' up to all seven of the uld be seen as small, u of the landscape when onal lights from vehic ighting intensity, the elevation between the a high magnitude of c	noticea re no of iles trav intensi e turbin	ble red lights that ther lights are velling along the ity of the lights
Significance o	of Effect					

Receptors would experience a **major significant** effect during both daylight hours and the hours of darkness.

Viewpoint 3 - B6372, Mount Lothian Area

Baseline							
Grid reference 327273 656958			656958		Elevation (m AOD)	260	
Nearest turbine 5,626 m (T3) Direction			Direction t	to Pro	posed Development	South	-east
LPA		Midlothian	Landscape	Chara	acter Type	LCT 2 -Lothi	69 Upland Fringes ians
Designation	IS	N/A			Receptor	Road	users
Descriptior	n of B	aseline View					
view. Fields in the right There are e in the west	s are hand electri ern pa Il wind	divided by stone w part of the view. icity wooden pole art of the view. T d farm schemes, f	valls. The E lines visibl here are po	36372 e in tl otentia	Moorfoot Hills provid meanders through th ne view. There are a al views of several wi e largely screened by	e foreg few isc nd turb	round landscape, blated properties ines associated
Receptor	Value	ue			eptibility		Sensitivity
Road users	The viewpoint is not located within a landscape designated for its scenic qualities. However, it is acknowledged that attractive views are available. Its value is assessed as medium.			mino are g lowe	viewpoint is located or r road. Users of such enerally considered t r susceptibility to cha eir visual amenity.	road o have	Medium
Magnitude	of Ch	ange during dayl	ight hours				
experience the view an	d at d nd wo	listance of 5.6 km uld appear as mee	. The propo dium scale (osed t eleme	n, with all hubs visible urbines would occupy ents. nagnitude of change.		
Magnitude	of Ch	ange during hour	rs of darkn	ess			
visible durin would be ex currently pr road. With refere would be gr viewpoint.	ng the xperie resen ence t reatly	e hours of darknes enced at over 5 kr t. However, there o Figure 6.8 show reduced due to t	ss. The light n distance f would be o ving the tur he differen	ts wou in a pa occasi obine l ce in	Y up to all seven of th uld be seen as small, art of the landscape v onal lights from vehic ighting intensity, the elevation between th a medium magnitude	noticea where r cles tra intensi e turbi	ble red lights that to other lights are velling along the ity of the lights ne lights and the
Significanc	e of <u>E</u>	Effect					

During daylight hours receptors would experience a **major moderate significant** effect. During the hours of darkness receptors would experience a **moderate significant** effect.

Baseline							
Grid reference	e 325144	666443	666443 Elevation (m AOD)		175	175	
Nearest turbir	ne 14,294 m (T16	b) Direction	to Proj	posed Development	South	-east	
LPA	Midlothian	Landscape	e Chara	acter Type		70 Lowland River /s -Lothians	
Designations	Pentland Hills Area	Special Lands	scape	Receptor	Road SLA	Users	
Description o	f Baseline View						
boundaries co coniferous pla visible in the	mprising a mixtur anting dotted acro distance providing	e of hedgerov oss the landsca g the backdrop	vs and ape. Tl o to di	ral land in the foregr fences. There a mix he higher ground of t stant views. rolling land in the m	ture of he Moo	deciduous and rfoot Hills is	
Receptor	Value		Susce	eptibility		Sensitivity	
Road Users/ Pentland Hills Special Landscape Area SLA	The viewpoint is the eastern edge locally designated Its value is assess	e of this of users of the A702 with no existing views of commercial				Medium	
Magnitude of	Change during d	aylight hours					
the Moorfoot experienced a angle to the c The proposed small-scale di conflict with	Hills and would ap at a distance of ap lirection of road u turbines would ou stant elements. A the scale of the di	opear just belo oproximately f isers travelling ccupy a mediu lthough the tu istant landforu	ow the 14.2 kr g along Im late urbines m.	le in the distance aga e horizon line. This cl m and would be expe g the A702 at this poi eral extent of the vie s appear just below t would introduce a me	hange w rience a nt. w and w the horiz	yould be at an oblique would appear as zon, they do not	
Magnitude of	Change during h	ours of darkn	ess				
visible during red dots that other lights a	the hours of dark would be experie	ness. The ligh nced at consic nt. However,	ts wou lerable there	' up to all seven of th Ild be seen as very sr e distance in a part o would be occasional the foreground.	nall, ba of the la	rely noticeable ndscape where r	

viewpoint. Their intensity would be further reduced due to the distance between the viewpoint and the Proposed Development.

During the hours of darkness, the Proposed Development would introduce a low medium magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **moderate non-significant** effect. During the hours of darkness receptors would a **moderate/minor non-significant** effect.

Baseline							
Grid referer	nce	318423	658182 Elevation (m AOD)		127		
Nearest turk	oine	14,220 m (T3)	Direction t	o Pro	posed Development	South	-east
LPA		Midlothian	Landscape	Chara	acter Type	LCT 2 -Lothi	69 Upland Fringes ans
Designation	S	Pentland Hills Sp Area	ecial Lands	cape	Receptor	Road SLA	users
Description	of B	aseline View					
foreground. upland area There are se planting wh	Beyo s of t evera ich p	ond this the landso he Moorfoot Hills I woodland blocks	cape is rolli visible in t which are higher gro	ng an he dis a mix ound o	702 and the A766 vis d moorland in charac tance forming the ba ture of both deciduo f Moorfoot Hills in th of the view.	ter with ckgrour us and o	n the higher nd of the view. coniferous tree
Receptor	Valu	alue Susceptibility					Sensitivity
Road Users Pentland Hills Special Landscape Area SLA/	designated landscape. Its value is assessed as high.			of us A766 are g	viewpoint is representers of the A702 and t . Road users on such enerally considered t r susceptibility.	he routes	Medium
Magnitude (of Ch	ange during dayl	ight hours				
experienced direction of The propose dropped by Torfichen H Developmer	l at a road ed tur the h ill. T nt site	distance approxin users travelling a bines would occu higher ground of there is large wood	mately 14.2 Ilong the A7 py a small ne Moorfoo Iland block	2 km a 702 at latera t Hills that j	le in theory. This cha and would occur at ar this point. I extent of the view. with the turbines sit partially screens view vould introduce a low	The tur ting on rs of the	e angle in the bines are back the slopes of Proposed
Magnitude o	of Ch	ange during hour	s of darkne	ess			
visible durin red dots tha other lights travelling al With referen	ng the at wo are c ong 1 nce t	e hours of darknes uld be experience currently present. the roads. o Figure 6.8 show	s. The light d at consid However, t ving the tur	ts wou erable there bine l	' up to all seven of th Ild be seen as very sn e distance in a part o would be occasional ighting intensity, the elevation between th	nall, ba f the la lights fr intensi	rely noticeable ndscape where no rom vehicles ty of the lights

viewpoint and would be further reduced due to the distance between the viewpoint and the Proposed Development.

During the hours of darkness, the Proposed Development would introduce a low magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **moderate/minor non-significant** effect. During the hours of darkness receptors would experience a **moderate/minor non-significant** effect.

RES

Baseline		1				
Grid reference	365385	805264 Elevation (m AOD)		281		
Nearest turbin	e 12,565 m (T3)	Direction t	o Pro	posed Development	South	-east
LPA	Midlothian	Landscape	Chara	acter Type		70 Lowland River /s-Lothians
Designations	Pentland Hills S Area	pecial Lands	ecial Landscape Receptor			users ential
Description of	Baseline View					
higher ground are large block interspersed w	of the Moorfoot Hi ks of tree planting vith individual prop	ls forming the immedent of the immedent of the immedee the second se	he bao diate ghout	tend across the rollin ckground to the view view and in the midd the view. e are visible in the vie	in the o le-dista	distance. There nce views
Receptor	Value		Susce	usceptibility		Sensitivity
SLA	The viewpoint is lo locally designated I Its value is assessed	andscape.	The viewpoint is representative Medium of users of the A702. Receptors of trunk roads are generally considered to have lower susceptibility			Medium
Magnitude of	Change during day	light hours				
experienced a road. The proposed appear as sma There is large	t a distance approx turbines would occ ll-scale elements b woodland block tha	imately 12.5 upy small to ackclothed a at would par	5 km a medi agains tially	le along with their he and would occur at ar um lateral extent of t the higher ground o screen views of the t medium magnitude o	the view f the M urbines	e angle to the w and would oorfoot Hills.
Magnitude of	Change during hou	irs of darkne	ess			
visible during a red dots that w other lights ar travelling alon With reference would be redu	the hours of darkne would be experience e currently present g the road and arous to Figure 6.8 sho ced due to the diff would be further r	ess. The light ed at consid . However, und properti wing the tur erence in ele	ts wou lerable there es in f bine l evatio	Y up to all seven of th uld be seen as very sn e distance in a part o would be occasional the foreground. .ighting intensity, the on between the turbin e distance between th	nall, ba f the la lights fi intensi ne lights	rely noticeable ndscape where no rom vehicles ity of the lights s and the

During the hours of darkness, the Proposed Development would introduce a low magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **moderate/minor non-significant** effect. During the hours of darkness receptors would experience a **moderate/minor non-significant** effect.

Baseline							
Grid reference	324042	654078	Elevation (m AOD)	268			
Nearest turbine	7,931 m (T3)	Direction to Pro	posed Development	East			
LPA	South Lanarkshire	Landscape Chara	acter Type	LCT 104 Upland Fringe Rough Grassland			
Designations	N/A		Receptor	Road users			
Description of Baseline View							

Existing views extend across rolling fields and moorland with a large coniferous woodland block in the lefthand part of the view. The higher upland areas of Torfichen Hill and the Moorfoot Hills are visible in the distance and form the background to the view.

Receptor	Value	Susceptibility	Sensitivity
Road users	The viewpoint is not located within a landscape designated for its scenic qualities. However, it is acknowledged that attractive views are available. Its value is assessed as medium.	The viewpoint is located on the A703 that is generally used for transport connections rather than recreation. Road users of such roads are generally considered to have lower susceptibility to changes in their visual amenity.	Medium

Magnitude of Change during daylight hours

During daylight hours parts of 18 turbines would be visible, with the hubs of some of the turbines appearing slightly above the horizon.

The proposed turbines would occupy a medium lateral extent of the view and the change in view would be experienced at approximately 7.9 km and would occur at an oblique angle to the orientation of the road. The turbines are set below the background landform and are generally seen backgrounded against it. The large woodland planting block in the lefthand part of the view largely screens views of the proposed turbines.

During daylight hours, the Proposed Development would introduce a low to very low magnitude of change.

Magnitude of Change during hours of darkness

With reference to the lit turbine ZTV at **Figure 6.7** up to three of the seven lit turbines would be visible during the hours of darkness. The lights would be seen as very small, noticeable red dots that would be experienced at distance in a part of the landscape where no other lights are currently present. However, there would be occasional lights from vehicles travelling along the road.

With reference to **Figure 6.8** showing the turbine lighting intensity, the intensity of the lights would be reduced due to the difference in elevation between the turbine lights and the viewpoint and would be further reduced due to the distance between the viewpoint and the Proposed Development.

During the hours of darkness, the Proposed Development would introduce a low to very low magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **minor non-significant** effect. During the hours of darkness receptors would experience a **minor non-significant** effect.

<u></u>		225/00	10000			0.00	
Grid referen	се	335698	658882		Elevation (m AOD)	203	
Nearest turb	oine	2,996 m (T16)	Direction t	to Pro	posed Development	South	
LPA		Midlothian	Landscape	Chara	acter Type	LCT 2 -Lothi	69 Upland Fringe ians
Designations	Designations N/A Receptor				Receptor	Reside Road	
Description	of B	aseline View					
Middleton ar it. A wood pole	nd th elec	e rolling landforr	m beyond w es through t	ith sca	properties to the sout attered trees, woodla ew, extending above t in the foreground a	and and the hori	hedgerows acros
Receptor	Valu	e		Susce	eptibility		Sensitivity
Residents The viewpoint is not located within a landscape designated for its scenic qualities.			esignated	The viewpoint is located on a road that is generally used for transport connections rather than recreation. Road users are assessed as having medium susceptibility. However, residents are considered to have high susceptibility to changes in their visual amenity.			High
Magnitude o	of Ch	ange during day	light hours				
would occup elements an 3.6 km. However, th particularly and some of immediate f beyond.	e int of th the oreg	arge lateral exte ould be experience ervening landform the lower parts of hubs would be vi round and the tu	nt of the vie ed in relativ m and tree the turbine sible, the la rbines appe	ew, w vely c cover tower andfor ar mo	o 17 turbines and up ith the turbines appe lose proximity at a di provides a high degre rs and some of the hu m provides a degree re closely associated would introduce a me	aring as istance ee of sc ibs. Alth of sepa with th	s medium scale of approximately reening, nough the blades ration from the e landscape
Magnitude o	of Ch	ange during hou	rs of darkn	ess			
With referer	nce to	o the lit turbine i	7TV at Fig u	re 6.7	, up to five of the se	ven lit	turbines would b

present. However, there would be occasional lights from vehicles travelling along the road and around properties in the foreground.

With reference to **Figure 6.8** showing the turbine lighting intensity, the intensity of the lights would be greatly reduced due to the difference in elevation between the turbine lights and the viewpoint.

During the hours of darkness, the Proposed Development would introduce a medium magnitude of change.

Significance of Effect

During daylight hours receptors would experience a moderate significant effect.

During the hours of darkness receptors would experience a moderate non-significant effect.

Viewpoint 9 - Gladhouse Reservoir

Baseline							
Grid reference	e	330084	654410	654410 Elevation (m AOD)		272	
Nearest turbi	ne	1,964 m (T3)	Direction	to Pro	posed Development	East	
LPA		Midlothian	Landscape	Char	acter Type	LCT 2 Lothia	69 Upland Fringes ans
Designations		Gladhouse Rese Moorfoot Scarp Landscape Area	Special		Receptor	Recre SLA	ation -core path
Description of	of Ba	aseline View					
Torfichen Hil	l an	d the Moorfoot	Hills. There a	are blo	and onto the slopes and onto the slopes and onto the slopes and occupies the immediate	odland	concentrated
Receptor	Val	lue		Susce	eptibility		Sensitivity
Recreation - core path/ SLA				The viewpoint is representative High of users of Gladhouse Reservoir and Core Path. Receptors are generally considered to have high susceptibility.			High
Magnitude of	f Ch	ange during da	ylight hours				
the moorland would be exp components, the site. The closer pr that would be woodland and beyond the re turbines in th	l slo perie par opo: e pa d tre eser ne le	pes. The proposenced in close protocol in close protocol in the sed turbines in a rtly backclothed be around the evoir in the lefth of thand part of t	ed turbines of roximity. The righthand pa the righthand d against the edge of part of and part of t the view.	would ere wo rt of t d part smoo of the the vie	turbines would visib occupy a large later ould also the views of he view where there of the view would for th, rounded landforn reservoir, together v ew screen partially so	al exten some of are ope rm large beyone with the creen vie	t of the view and of the ground-leve en views to part o e-scale elements d. Existing e rolling landform
Magnitude of	f Ch	ange during ho	urs of darkn	ess			
visible during would be exp present. With referend	the erie ce to	e hours of darkn enced at distanc o Figure 6.8 sho	ess. The ligh e in a part o owing the tur	ts wou f the l rbine l	up to five of the sevult be seen as small, andscape where no callighting intensity, the elevation between the	noticea other lig e intensi	ble red dots that hts are currently ity of the lights

During the hours of darkness, the Proposed Development would introduce a medium magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **major significant effect**. During the hours of darkness receptors would experience a **major/moderate significant** effect.

Baseline							
Grid reference	332575	659446		Elevation (m AOD)	162		
Nearest turbin	e 4,167 m (T16)	Direction to	o Pro	posed Development	South	South	
LPA	Midlothian	Landscape				LCT 270 Lowland River Valleys - Lothians	
Designations	South Esk and C Farmland Specia Area Arniston Garden Landscape (GDL	al Landscape	Landscape		SLA Garde	Recreation SLA Garden and Designed Landscape	
Description of	Baseline View						
substantial be	t of mature trees.	A small gap i	in the	Arniston House in the trees allows views t t Hills can be seen in	hrough	beyond which the	
Receptor	Value		Susce	eptibility		Sensitivity	
Recreation SLA Garden and Designed Landscape	within a landscape designated for its qualities. It also re views from Arnisto	he viewpoint is located vithin a landscape esignated for its scenic ualities. It also represents iews from Arniston House. s value is assessed as high.		High			
Magnitude of	Change during day	light hours					
experienced at the view and v However, actu would screen t gap in the tree	t a distance of appr vould be partially b al visibility would I the majority of the es in the righthand	roximately 4. backdropped be very limite Proposed De part of the v	1 km by th ed du velop iew.	o be visible on theory . The turbines would e slopes of the Moorf e to the extensive be oment with only T1 ar ould introduce a low	occupy oot Hill elt of m nd T2 vi	a large extent o s. ature trees that sible through the	
Magnitude of	Change during hou	ırs of darkne	ess				
during the hou viewpoint only noticeable red are currently p With reference	rs of darkness. How one of the lit turb dot that would be present.	vever, the ex ines would b experienced wing the turk	ktensi e visi I in a Dine l	' up to all seven lit tu ive screening would n ble. The light would part of the landscape ighting intensity, the atly reduced due to tl	nean th be seen e where intensi	at from the as a small, no other lights ty of the light	

During the hours of darkness, the Proposed Development would introduce a low to very low magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **moderate/minor non-significant effect**. During the hours of darkness receptors would experience a **minor non-significant effect**.

Baseline				
Grid reference	319225	661062	Elevation (m AOD)	570
Nearest turbine	14,639 m (T3)	Direction to Pro	posed Development	South-east
LPA	Midlothian			LCT 268 Upland Hills- Lothians
Designations	Pentland Hills Sp Area	ecial Landscape	Receptor	Walkers SLA
Description of B	aseline View			
look towards the Penicuik, as well this location. Th blocks which car	Moorfoot Hills in as other smaller e landscape beyor	the distance. Se settlements are ad Penicuik is ger . The land begin	et down in the landsca visible in the lefthand htly rolling and contain s to rise towards the A	part of the view from ns scattered woodland

There are several other existing wind farms visible above the horizon in the longer distance view which are situated beyond the location of the site and to the left and right of the view.

Receptor	Value	Susceptibility	Sensitivity
Recreation SLA	The viewpoint is located within a landscape designated for its scenic qualities; therefore its value is assessed as high.	The viewpoint is located on Scald Law which is used for recreational purposes. Recreational receptors are assessed as having a high susceptibility to change.	High

Magnitude of Change during daylight hours

There would be 18 turbines visible in their entirety from this view, which would be located at a distance of approximately 14.6 km from this location. It is also acknowledged that the Proposed Development would introduce a further man-made feature in the landscape, albeit development of this type is already present in the existing view.

The Proposed Development would lie beyond the settled areas which are located within the lower landscape and towards the rising landform of the Moorfoot Hills, which would backcloth the proposals from this location. The majority of the turbine structures, including the hubs and the majority of the swept path of the blades would not appear as additional vertical elements on the horizon.

The Proposed Development would occupy a small portion of the overall expansive panoramic views which are available from this location, therefore, during day light hours, it is predicted that the Proposed Development would introduce a medium magnitude of change.

Magnitude of Change during hours of darkness

With reference to the lit turbine ZTV at **Figure 6.7** up to all seven lit turbines would be visible during the hours of darkness and would be seen across the full lateral extent of the Proposed Development.

The lights would be seen as very small, noticeable red lights that would appear against landform in a part of the view where no other lights are currently present, apart from lights located within the lower-lying settlements and the lights around properties in the intervening landscape.

With reference to **Figure 6.8** showing the turbine lighting intensity, lights would be perceived at a similar intensity to their stated intensity due to the elevation of the viewpoint relative to the aviation light. However, due to the distance of the viewpoint from the Proposed Development, the lights would have a lower intensity from this location, therefore, it is predicted that there would be a low magnitude of change.

Significance of Effect

During daylight hours, receptors would experience a **moderate non-significant** effect. During the hours of darkness receptors would experience a **moderate/minor non-significant** effect.

Viewpoint	12 -	Minor	Road,	near	Yorkston	Farm
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Baseline							
Grid referenc	e	331474	656567		Elevation (m AOD)	251	
Nearest turbi	ne	2,629 m (T7)	Direction to Proposed Development		South	South-east	
LPA		Midlothian				LCT 269 Upland Fringes- Lothians	
Designations		South Esk and Ca Farmland Specia Area			Road SLA	Road users SLA	
Description c	of Ba	aseline View					
gate location coniferous tre elevated land	whi ee p lforr	ch represents Vie lanting occupying n to that of the v	ewpoint 12, g the middle viewpoint. E	views e dista Beyono	al locations such as fi s extend across undul ant view in part, whic d the elevated landfo greater elevation.	ating pa h is loc	astoral fields with ated on a slightly
Receptor	Val	alue Suscept		eptibility		Sensitivity	
Road users SLA	The viewpoint is located within a landscape designated for its scenic qualities. Its value is assessed as high.			The viewpoint is located on High minor road which is used for recreation. Recreational receptors are assessed as having a high susceptibility.			
Magnitude of	Cha	ange during dayl	ight hours				
The proposed distance of ap a new man-m The turbines would include some filtering planting locat predicted tha	tur opro ade wou e the g of ted i at a l	bines would occu iximately 2.6 km feature into the ld appear above e upper parts of t views of the lowe in the middle dist	py a large l to the near view, wher the horizon the turbines er parts of t tance, in pa f change w	atera est tu e the whick , incl he tu articul	om this location, inclu l extent of the view a urbine. The proposed re is currently limited h is currently formed uding the hubs. Howe rbine towers, in the f ar towards the right o occur from this locatio	nd wou turbine I man-n by the ver, the orm of of the v	Ild be seen at a s would introduce nade influence. Moorfoot Hills and ere would be the coniferous riew. It is
Magnitude of	Cha	ange during hou	rs of darkn	ess			
visible during hedgerow to field gate. Th intervening vo With reference	the the lig eget ce to	hours of darkness left would restric ghts would be see ation in a part of Figure 6.8 show	ss from this ct views of en as small, f the landsc ving the tur	locat T16 de notic ape w bine l	' up to all seven of th ion. Some screening f epending on the recep reable red lights that /here no other lights a ighting intensity, the elevation between th	rom the otor's p would a are curi intensi	e adjacent proximity to the appear above the rently present. ty of the lights

During the hours of darkness, it is predicted that this would introduce a medium high magnitude of change overall.

Significance of Effect

During daylight hours receptors would experience a **major significant** effect. During the hours of darkness receptors would experience a **major/moderate significant** effect.

Viewpoint 13 - Whiteside Law

Baseline								
Grid reference	е	335800	650990		Elevation (m AOD)	452		
Nearest turbin	ne	3,355 m (T10)	Direction t	to Pro	posed Development	North	-west	
LPA		Scottish Borders	Landscape	Landscape Character Type			LCT 90 Dissected Plateau Moorland	
Designations		N/A			Receptor	Walke	ers	
Description o	of Ba	aseline View			·			
Hills and look Torfichen Hill the exception site. There is is located tow	tov . Th of lim /arc	wards elevated lar he landform of thi the B7007, which ited vegetation ir ds the right of the ines of Carcant W	ndform in t is part of u meanders the view, view.	he mi pland throu apart	de Law, which is loca ddle distance, includ area consists of oper gh the landscape in t from coniferous woo ible in the middle-dis	ing the moorla he direo dland p	summit of and grassland with ction towards the llantation, which	
Receptor	Val	lue		Susceptibility			Sensitivity	
Walkers	The viewpoint is not located within a landscape designated for its scenic qualities. It is not recognised for its scenic views, although it is acknowledged that it affords panoramic views across the surrounding landscapes. Its value is assessed as high.						High	
Magnitude of	Ch	ange during dayli	ight hours					
of six turbines be seen at a c new vertical r component. Due to the loc would appear associated wit	s. T dista nar cati bey th t	The proposed turbin ance of approximation n-made element in on of where the p yond the interven the lower lying lar	ines would ately 3.3 km n a view in proposed tu ing middle ndscape bey	occup n. The which rbines distar yond.	w from this location, by a large lateral extence e Proposed Developm wind development is a are located from the nt landform and there It is therefore consid high magnitude of ch	ent of th ent wou s alread e viewp efore ar ered th	ne view and would uld introduce a ly an existing oint, the turbines re more closely	
Magnitude of	Ch	ange during hour	s of darkn	ess				
during the ho	urs	of darkness. In re	ality, the l	ights (Y up to three lit turbin of two proposed turbin Iform in a part of the	ines wo	uld be seen as	

lights are currently present, apart from occasional lights from vehicles travelling along the minor road.

With reference to **Figure 6.8** showing the turbine lighting intensity, the intensity of the lights would be reduced due to the difference in elevation between the turbine lights and the viewpoint. This would result in a medium magnitude of change overall.

Significance of Effect

During daylight hours receptors would experience a **major/moderate significant** effect. During the hours of darkness receptors would experience a **moderate significant** effect.

Viewpoint 14 - Blackhope Scar

Pacoline							
Baseline	224525						
Grid reference	331535	648351		Elevation (m AOD)	651		
Nearest turbine	4,643 m (T1)	Direction to Proposed Development			North		
LPA	Scottish Borders	Landscape	Char	acter Type		LCT 90 Dissected Plateau Moorland	
Designations	N/A			Receptor	Walke	ers	
Description of B	Baseline View						
the landscape be The panoramic v Existing wind far	etween the Moorfo views from this loc	oot Hills and ation inclue	d Edin de set	he Moorfoot Hills and burgh and Firth of For tlements, wooded are Pogbie I and II and Du	rth in t eas and	he far distance. water bodies.	
Receptor Va	lue		Susceptibility			Sensitivity	
wi fo no vie re	ne viewpoint is not thin a landscape of r its scenic qualition t recognised for it ews, although it is cognised vantage lue is assessed as	designated this summit are judged high susceptibility. a point. Its		summit are judged to		High	
Magnitude of Ch	nange during dayl	ight hours					
visible from this of the view at a Moorfoot Hills. The proposed tu appear more clo Seen in the cont Development wo Firth of Forth, th	location. The pro distance of appro- rbines would appe sely associated wi ext of the other e ould not create a r	posed turbi ximately 4. ear set back th the land xisting wind new vertica sidered, tha	ines w 6 km, c from scape d deve l elem at the	elopments, the introdu nent above the far dist re would be a medium	n to lar ch forr vening uction tant ho	ge lateral extent ns part of the landform and of the Proposed rizon, beyond the	
Magnitude of Ch	nange during hour	rs of darkn	ess				
the hours of dar above landform site. With reference t similar level to t and the hubs of	kness. The lights v in a view where of to Figure 6.8 show their stated intens the proposed turb	vould be se ther lights a ving the tur ity from the ines being l	en as are cu bine l is loca locate	Y up to five lit turbines small, noticeable red irrently present in the sighting intensity, the ation, due to the elevat ed at a lower elevation buld occur overall.	lights landsc lights v	that would appear ape beyond the would be seen at a f the viewpoint	

Significance of Effect

During daylight hours receptors would experience a **major/moderate significant** effect. During the hours of darkness receptors would also experience a **moderate significant** effect.

Baseline				
Grid reference	327536	672945	Elevation (m AOD)	235
Nearest turbine	18,486 m (T16)	Direction to Pro	posed Development	South-east
LPA	City of Edinburgh	Landscape Char	acter Types	Urban
Designations	Holyrood, Duddingston and Prestonfield SLA Palace of Holyrood House Garden and Designed Landscape		Receptor	Walkers SLA GDL

Description of Baseline View

The views extend from the elevated position of Arthur's Seat with long distance views towards Torfichen Hill and the Moorfoot Hills in the distance. Foreground views comprise the extensive built-up areas of Edinburgh, with several tall buildings visible. There are large blocks of woodland planting throughout the view. Beyond this the land rises to the higher ground towards the Moorfoot Hills where there open pastoral fields and blocks of woodland.

There are distant views of existing turbines which form part of several wind farm schemes.

Receptor	Value	Susceptibility	Sensitivity
Recreation SLA GDL	within a landscape designated for its scenic qualities and the location is an important cultural location and important visitor destination.	The viewpoint is located on Arthur's Seat which is used for recreation and is a popular vantage point. Visitors to this location are considered to be highly susceptible to changes in their visual amenity.	Very High

Magnitude of Change during daylight hours

All 18 turbines would be visible in the view. The proposed turbines would occupy a small lateral extent of the extensive panoramic views that are available from this vantage point and would be seen at considerable distance.

The turbines would be seen against Torfichen Hill and would be seen as small-scale elements that do not diminish the overall scale of the landform.

During daylight hours the Proposed Development would introduce a low magnitude of change.

Magnitude of Change during hours of darkness

With reference to the lit turbine ZTV at **Figure 6.7** up to all seven of the lit turbines would be visible during the hours of darkness. The lights would be seen as very small, barely noticeable red dots that would be experienced at considerable distance in a part of the landscape where no other lights are currently present. However, there would be extensive lighting throughout the urban areas below in the immediate foreground of the view.

With reference to **Figure 6.8** showing the turbine lighting intensity, the intensity of the lights would be reduced due to the difference in elevation between the turbine lights and the

viewpoint and would also be further reduced due to the distance between the viewpoint and the Proposed Development.

During the hours of darkness, the Proposed Development would introduce no greater than a very low magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **moderate non-significant** effect. During the hours of darkness receptors would experience minor to no effects which would not be considered significant.

RES

Baseline						
Grid reference	335337	661629	Elevation (m AOD)	208		
Nearest turbine	e 5,653 m (T16)	Direction to Proposed Development				
LPA	Midlothian	1 21			LCT 272 Lowland Hills and Ridges - Lothians	
Designations	N/A		Receptor Residents Road			
Description of	Baseline View					
In the immedia middle-distance and deciduous	e views, there are trees, together wit	e are small large blocks ch farm build	blocks of trees and hedg of woodland planting w	hich are a	a mix of conifero	
Receptor	Value	Susceptibility Ser				
Road users	The viewpoint is not located within a landscape designated for its scenic qualities. It represents views experienced by residents and road users and is assessed as having a medium value. Road users are generally considered to have lower susceptibility, while residents are considered to have high susceptibility to changes in the visual amenity.				High	
	Change during day	light hours				
Magnitude of C Part of the tow would occupy a distance of 5.6 The turbines ap landform that p view would ext of the view wo overall scale of	vers, hubs and blad a medium to large km. opear as medium so provides the horizo rend very slightly a uld be seen slightly f the landform and	es of all 18 t lateral exter caled elemen n to the viev bove the hor y below the appear belo	turbines would be visible at of the view and would nts and would be seen a w. Some of the turbines rizon, whereas those tur horizon. Overall, the tur w the highest point of the nent would introduce a r	be expending gainst the in the lef bines in t bines do ne hills.	rienced at a e background thand part of the he righthand part not diminish the	
Magnitude of C Part of the tow would occupy a distance of 5.6 The turbines ap landform that p view would ext of the view wo overall scale of During daylight change.	vers, hubs and blad a medium to large km. opear as medium so provides the horizo rend very slightly a uld be seen slightly f the landform and	es of all 18 f lateral exter caled elemen n to the view bove the hou / below the appear belo ed Developm	nt of the view and would nts and would be seen a w. Some of the turbines rizon, whereas those tur horizon. Overall, the tur w the highest point of the nent would introduce a r	be expending gainst the in the lef bines in t bines do ne hills.	rienced at a e background thand part of the he righthand part not diminish the	

would be experienced in a part of the landscape where no other lights are currently present. However, there would be lighting seen in Gorebridge in the righthand part of the view. With reference to **Figure 6.8** showing the turbine lighting intensity, the intensity of the lights would be reduced due to the difference in elevation between the turbine lights and the viewpoint.

During the hours of darkness, the Proposed Development would introduce a medium magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **major/moderate significant** effect. During the hours of darkness receptors would experience a **moderate significant** effect.

Viewpoint 17 - Roslin

Baseline								
Grid referen	nce	327522	663108		Elevation (m AOD)	148		
Nearest tur	bine	10,255 m (T16)	Direction to Proposed Development		South	-east		
LPA		Midlothian					_CT 270 Lowland River Valleys-Lothians	
Designation	S	N/A			Receptor	Reside	ents	
Description	of B	aseline View						
North Esk b	elow.	In the lefthand p	oart of the v	view t	l planting that extend here are distant views n the far distance.			
Receptor	Valu	/alue			eptibility		Sensitivity	
Residents The viewpoint is not located within a landscape designated for its scenic qualities. Its value is assessed as medium. The viewpoint represents thigh susceptibility.						High		
Magnitude	of Ch	ange during dayl	ight hours					
occupy a mo However, th tips that wo	ediun ne ex ould b	n lateral extent of tensive intervenin pe seen intermitte	f the view and tree cove and tree cove	and wo er limi the fo	etically visible. The product of the product of the experienced at the structure of the str	it a dist a small	tance of 10.2 km. number of blade	
Magnitude	of Ch	ange during hour	rs of darkn	ess				
With reference to the lit turbine ZTV at Figure 6.7 up to all seven of the lit turbines would be visible in theory during the hours of darkness. However, due to the extensive screening there would be no views of any of the lit turbines from this viewpoint. During the hours of darkness, the Proposed Development would introduce no greater than a very low magnitude of change.								
Significance	e of E	Effect						
		nours and the hour ficant effect.	rs of darkne	ess rec	ceptors would experie	nce no	greater than a	

Baseline								
Grid referer	nce	329769	664376	Elevatio	on (m AOD)	131		
Nearest turk	oine	9, 833 m (T16)	Direction to Proposed Development		South	South-East		
LPA		Midlothian	Landscape	Character Typ	Des		LCT 270 Lowland River Valleys-Lothians	
Designations	5	N/A		Recepto	r	Reside	ential	
Description	of B	aseline View						
hedgerows. beyond whic landscape ri There are a telecoms ma	Ther ch is ses t num ast ar	ttend across gentl e are views of pro- set on elevated g owards Torfichen ber of existing ve nd lighting colum turbines in the le	operties arc round in the Hill and Mo rtical elemens, some of	ound Bonnyrigg e lefthand par oorfoot Hills. ents comprisin which extend	and the set t of the view g a wood pol above the sk	tlement . In the e elect kyline.	of Gorebridge background, the ricity line, a	
Receptor	Valu	e		Susceptibility			Sensitivity	
Residents Walkers	with for i	viewpoint is not l in a landscape de ts scenic qualitie e is assessed as m	esignated s. Its	The viewpoin residents whi high susceptil	re a	High		
Magnitude o	of Ch	ange during dayl	ight hours					
and would b The propose relatively sr diminish the	e exp ed tur nall-s e scal	hubs and blades of perienced at a dis rbines would occu scale elements wi e of the landform nours, the Propose	stance of ap upy a mediu ith the hubs n which exte	pproximately 9 m lateral exte appearing at ends throughou	.8 km. nt of the vie the horizon. ut the backgr	w and v As such round.	would appear as they would not	
Magnitude o	of Ch	ange during hou	rs of darkn	ess				
visible durin that would I currently pr surrounding With referen would be re	ig the be ex esent road nce te duce	o the lit turbine 2 e hours of darknes perienced at dist t. However, there s in the foregroun o Figure 6.8 show d due to the diffe ould also be furth	ss. The light ance in a part would be l and of the vir wing the tur erence in el	ts would be se art of the land ighting presen ew. bine lighting i evation betwe	en as very sn scape where t in the built ntensity, the en the turbir	nall, no no othe -up are intensi ne lights	ticeable red dots er lights are eas and along ity of the lights s and the	

During the hours of darkness, the Proposed Development would introduce no greater than a low medium magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **moderate non-significant** effect. During the hours of darkness receptors would experience a **moderate/minor non-significant** effect.

Baseline										
Grid refere	nce	342565	658676		Elevation (m AOD)	330				
Nearest tur	bine	7,613 m (T18)	Direction	to Pro	posed Development	South	-west			
LPA	PA Midlothian Landso		Landscape	ape Character Types LCT 267 Plateau Grassland-Lothians						
Designation	S	Fala Moor Specia Area	al Landscape	e	Receptor	SLA Walke	SLA Walkers - core path			
Description	of B	aseline View								
					vith a large belt of co rds the Moorfoot Hills					
Receptor	Valu	le		Susce	eptibility		Sensitivity			
Recreation SLA	a lai scen	viewpoint is loca ndscape designato nic qualities. Its v issed as high.	ed for its	The viewpoint is located on Fala High Moor which is used for recreation. Recreational receptors are assessed as having high susceptibility.			High			
Magnitude	of Ch	ange during day	light hours	•						
km. The propose element. He with only tu	ed tur owev irbine	rbines would occu er, the extensive es (T14, T16 & T1	upy a small intervening 7) visible to	exten g belt owards	erienced at a distance t of the view and word of trees would screer s the centre of the vi would introduce a low	uld appe the ma ew.	ear as small-scale ajority of views,			
Magnitude	of Ch	ange during hou	rs of darkn	ess						
visible durir would be ex currently pr	ng the operie resen	e hours of darkne enced at over 7 k t.	ss. The ligh m distance	ts wou in a p	7 up to three of the li uld be seen as small, art of the landscape	noticea where n	ble red lights tha o other lights are			
would be sl [.] viewpoint a Developmer	ightly nd fu nt. nours	v reduced due to irther reduced du of darkness, the	the differer e to the dis	nce in tance	lighting intensity, the elevation between th between the viewpo pment would introdu	ne turbi int and	ne lights and the the Proposed			
magintade		-								
Significance										
Significance During dayli			ould experi	ence a	a moderate/minor n	on-sign	ificant effect.			

Viewpoint 20 - Lauder Common

Baseline								
Grid referer	nce	348098 645588			Elevation (m AOD)	333	333	
Nearest tur	bine	e 15,869 m (T18) Direction t			oosed Developmen	t North	-west	
LPA	Scottish Borders Landscape			Chara	acter Area		LCT 91 Plateau Grassland- Borders	
Designations N/A Receptor Road Recreation					ation			
Description	of B	aseline View						
in the view. is woodland predominan	The bloc tly p	re are areas of tre k planting on the	e planting elevated gr of grazing	in the round and m	ards the Moorfoot I righthand part of beyond and smalle loorland character	the imme r groups o	diate view. Ther	
Receptor	Valu	le		Susceptibility			Sensitivity	
Road users Recreation	with for i How scen this	The viewpoint is not located within a landscape designated or its scenic qualities. However, it is recognised that cenic views are available from his location. Its value is assessed as medium.			iewpoint is also sentative of road u ational users. Rece ssessed as having a susceptibility.	High		
Magnitude	of Ch	ange during dayl	ight hours					
change wou The propose would be vi which the p	ld be ed tur sible ropos	e experienced at a rbines would occu in the view, but t sed turbines are v	pproximate py very a si he coniferc isible, restr	ely 15. mall la ous tre ricting	of one turbine (T1 8km. ateral extent of the e block planting w views to blade tip vould introduce a v	e view. Pa ould limit s.	arts of the blade: the extent to	
Magnitude	of Ch	ange during hour	s of darkn	ess				
visible durir intervening barely notic occasional l With refere would be sli	ng the landi eable ights nce t ightly nd fu	e hours of darknes form, only one hul e red dots that wo from vehicles tra o Figure 6.8 show v reduced due to t	s. The wire b would be ould be exp velling alor ving the tur he differen	eline a visible erienc ng the bine l ice in o	up to three of the t Figure 6.56 illus e. The lights would ed at considerable road. ighting intensity, t elevation between between the viewp	trates tha l be seen e distance he intensi the turbi	it due to as very small, . There would be ity of the lights ne lights and the	

During the hours of darkness, the Proposed Development would introduce a very low magnitude of change.

Significance of Effect

During daylight hours receptors would experience a **minor non-significant** effect. During the hours of darkness receptors would experience a **minor non-significant** effect.

LPAMidlothianLandscape CDesignationsSouth Esk and Carrington Farmland Special Landscape AreaDescription of Baseline ViewExisting views extend across fields used for graz forming the background to the view. There are deciduous in the middle-distance views. A wood pole electricity line crosses through the ReceptorResidential a landscape designated for its scenic qualities. Its value is assessed as high.Magnitude of Change during daylight hoursAll 18 turbines would be visible, including all th approximately 3.6 km. The proposed turbines o view.	woodland blocks which an e landscape. usceptibility The viewpoint represents esidents which would have	Valleys-Lo Residentia nd the Moor re both cor Sen Hig	owland River othians al rfoot Hills niferous and sitivity					
LPAMidlothianLandscape CDesignationsSouth Esk and Carrington Farmland Special Landscape AreaDescription of Baseline ViewExisting views extend across fields used for graz forming the background to the view. There are deciduous in the middle-distance views. A wood pole electricity line crosses through the ReceptorReceptorValueSuResidentialThe viewpoint is located within a landscape designated for its scenic qualities. Its value is assessed as high.The re highMagnitude of Change during daylight hoursAll 18 turbines would be visible, including all th approximately 3.6 km. The proposed turbines of view. The turbines would appear as medium scale ele landform.	haracter Areas Receptor zing with Torfichen Hill ar woodland blocks which ar e landscape. usceptibility the viewpoint represents esidents which would have	LCT 270 Lo Valleys-Lo Residentia nd the Moor re both cor Sen Hig	owland River othians al rfoot Hills niferous and sitivity					
Designations South Esk and Carrington Farmland Special Landscape Area Description of Baseline View Existing views extend across fields used for graz forming the background to the view. There are deciduous in the middle-distance views. A wood pole electricity line crosses through the Receptor Value Su Residential The viewpoint is located within a landscape designated for its scenic qualities. Its value is assessed as high. Magnitude of Change during daylight hours All 18 turbines would be visible, including all th approximately 3.6 km. The proposed turbines of view. The turbines would appear as medium scale elef landform.	Receptor zing with Torfichen Hill ar woodland blocks which an e landscape. usceptibility The viewpoint represents esidents which would have	Valleys-Lo Residentia nd the Moor re both cor Sen Hig	othians al rfoot Hills niferous and sitivity					
Farmland Special Landscape Area Description of Baseline View Existing views extend across fields used for graz forming the background to the view. There are deciduous in the middle-distance views. A wood pole electricity line crosses through the Receptor Value Residential The viewpoint is located within a landscape designated for its scenic qualities. Its value is assessed as high. Magnitude of Change during daylight hours All 18 turbines would be visible, including all th approximately 3.6 km. The proposed turbines o view. The turbines would appear as medium scale ele landform.	zing with Torfichen Hill ar woodland blocks which an e landscape. usceptibility The viewpoint represents esidents which would have	nd the Moor re both cor Sen Hig	rfoot Hills hiferous and sitivity					
Existing views extend across fields used for graz forming the background to the view. There are deciduous in the middle-distance views. A wood pole electricity line crosses through the ReceptorReceptorValueSuResidentialThe viewpoint is located within a landscape designated for its scenic qualities. Its value is assessed as high.The view and any	woodland blocks which an e landscape. usceptibility The viewpoint represents esidents which would have	re both cor Sen Higi	niferous and					
forming the background to the view. There are deciduous in the middle-distance views.A wood pole electricity line crosses through theReceptorValueResidentialThe viewpoint is located within a landscape designated for its scenic qualities. Its value is assessed as high.Magnitude of Change during daylight hoursAll 18 turbines would be visible, including all th approximately 3.6 km. The proposed turbines o view.The turbines would appear as medium scale ele landform.	woodland blocks which an e landscape. usceptibility The viewpoint represents esidents which would have	re both cor Sen Higi	niferous and					
Residential The viewpoint is located within a landscape designated for its scenic qualities. Its value is assessed as high. Tree his scenic qualities. Its value is assessed as high. Magnitude of Change during daylight hours All 18 turbines would be visible, including all th approximately 3.6 km. The proposed turbines o view. The turbines would appear as medium scale elelandform.	he viewpoint represents esidents which would have	Hig	~					
a landscape designated for its scenic qualities. Its value is assessed as high.re hisMagnitude of Change during daylight hoursAll 18 turbines would be visible, including all th approximately 3.6 km. The proposed turbines of view.The turbines would appear as medium scale ele landform.	esidents which would have		6					
All 18 turbines would be visible, including all th approximately 3.6 km. The proposed turbines o view. The turbines would appear as medium scale ele landform.		a landscape designated for its residents which would have a scenic qualities. Its value is high susceptibility.						
approximately 3.6 km. The proposed turbines o view. The turbines would appear as medium scale ele landform.								
During doublight house, the Dropped Doublepres	occupy a medium to large ements and would be seen	lateral extension	ent of the e background					
During daylight hours, the Proposed Developme		nitude of cl	nange.					
Magnitude of Change during hours of darkness	S							
With reference to the lit turbine ZTV at Figure visible during the hours of darkness. The lights would appear at relative proximity above the ir where no other lights are currently present. Ho travelling along the road and from nearby proper With reference to Figure 6.8 showing the turbi would be reduced due to the difference in elevative wiewpoint. During the hours of darkness this would introduced to the difference in the dint difference in the difference in the difference in the differe	would be seen as small, n ntervening shelterbelts in owever, there would be lig erties. The lighting intensity, the ration between the turbing	oticeable r a part of t ghts from v intensity of e lights and	red lights that he landscape ehicles f the lights					
Significance of Effect								
During daylight hours receptors would experien		fect						

During the hours of darkness receptors would experience a major/moderate significant effect.

Viewpoint 22 - Caerketton Hill

Baseline							
Grid referer	nce	324155	666131		Elevation (m AOI	0) 449	
Nearest tur	st turbine 14,549 m (T3) Direction to Proposed Development South-west				i-west		
LPA		Midlothian	Landscape	e Chara	acter Areas	LCT 2 - Loth	269 Upland Fringes nians
Designations The Pentland Hills SLA Receptor Walkers							ers
Description	of B	aseline View					
extensive se more pastor landscape. Wind turbin	ettler ral in This l es ar	nents and industr character and is andscape extend e existing compo	ial areas in framed by e s towards th nent of the	the vi extens he dist baseli	ive woodland bel ant Moorfoot Hill	Irban areas ts scattere s. e operation	s the landscape is
Receptor	Valu	Ie	Susce	eptibility	/ Sensitivity		
Recreation	a lai scen recr	viewpoint is loca ndscape designate nic qualities. It is eation. Its value ossed as high.	ed for its used for	Recreational receptors are assessed as having high susceptibility.			High
Magnitude	of Ch	ange during day	ight hours				
approximate The propose small-scale horizon line	ely 14 ed tur elem and	4.5 km. rbines would occu ents seen against would not diminis	upy a mediu the backgr sh the scale	im late round e of th	eral extent of the landform. Their h	view and vuld	appear below the
Magnitude	of Ch	ange during hou	rs of darkn	ess			
visible durin red dots tha landscape w night-time l With refere would be sli viewpoint a Developmer	ng the at wo /here ightii nce t ightly nd fu nt. nours	e hours of darknes uld be experience there are no oth ng in the urban ar o Figure 6.8 show reduced due to f inther reduced du of darkness, the	ss. The light ed at consic er lights. He reas that ex wing the tur the differer e to the dis	ts wou lerable oweve stend t rbine l nce in tance	up to all seven o uld be seen as very e distance, introd er, existing views chrough the view. ighting intensity, elevation betwee between the view	y small, ba uced into a are partly the intens n the turbi vpoint and	arely noticeable a part of the characterised by ity of the lights ine lights and the the Proposed

Significance of Effect

During daylight hours receptors would experience a **moderate non-significant** effect. During the hours of darkness receptors would experience a **moderate/minor non-significant** effect.

		Daylight Hours			Hours of Darkness		
Viewpoint	Sensitivity	Magnitude of Change	Effect	Significant	Magnitude of Change	Effect	Significant
Viewpoint 1 - A7, Middleton Mains	Low	Medium high	Moderate minor	No	Medium	Moderate minor	No
Viewpoint 2 - B7007, Broad Law Corner	Medium	Very high	Major	Yes	High	Major	Yes
Viewpoint 3 - B6372, Mount Lothian area	Medium	High	Major moderate	Yes	Medium	Moderate	Yes
Viewpoint 4 - A702, Hillend area	Medium	Medium	Moderate	No	Low medium	Moderate minor	No
Viewpoint 5 - Junction with A766	Medium	Low medium	Moderate minor	No	Low	Moderate minor	No
Viewpoint 6 - A702, Lawhead Farm	Medium	Low medium	Moderate minor	No	Low	Moderate minor	No
Viewpoint 7 - A703, Layby south of Craigburn	Medium	Low to very low	Minor	No	Low to very low	Minor	No
Viewpoint 8 - A7, North Middleton	High	Medium	Moderate	Yes	Medium	Moderate	No
Viewpoint 9 - Gladhouse Reservoir	High	High	Major	Yes	Medium high	Major moderate	Yes
Viewpoint 10 - Arniston House	High	Low	Moderate minor	No	Low to very low	Minor	No
Viewpoint 11 - Scald Law, Pentlands	High	Medium	Moderate	No	Low	Moderate minor	No

Table 6.5.1 - Summary of Operational Effects on Viewpoints

		Daylight Hours			Hours of Darkness		
Viewpoint	Sensitivity	Magnitude of Change	Effect	Significant	Magnitude of Change	Effect	Significant
Viewpoint 12 - Minor road, near Yorkston Farm	High	High	Major	Yes	Medium high	Major moderate	Yes
Viewpoint 13 - Whiteside Law	High	Medium high	Major moderate	Yes	Medium	Moderate	Yes
Viewpoint 14 - Blackhope Scar	High	Medium high	Major moderate	Yes	Medium	Moderate	Yes
Viewpoint 15 - Arthur's Seat, Edinburgh	Very high	Low	Moderate	No	Very low	Minor/no effects	No
Viewpoint 16 - Gorebridge	High	Medium high	Major moderate	Yes	Medium	Moderate	Yes
Viewpoint 17 - Roslin	High	Very low	Minor	No	Very low	Minor	No
Viewpoint 18 - Bonnyrigg	High	Medium	Moderate	No	Low medium	Moderate minor	No
Viewpoint 19 - Fala Common	High	Low	Moderate minor	No	Low to very low	Minor	No
Viewpoint 20 - Lauder Common	High	Very low	Minor	No	Very low	Minor	No
Viewpoint 21 - B6372, Fountainside	High	High	Major	Yes	Medium	Major moderate	Yes
Viewpoint 22 - Caerketton Hill	High	Medium	Moderate	No	Low medium	Moderate minor	No

Bold text indicates a significant effect