

APPENDIX 5.7: CUMULATIVE ASSESSMENT SCHEDULE – PHOTOMONTAGE VIEWPOINTS

5.7.1 This appendix summarises the predicted residual cumulative effects in relation to landscape character and views / visual amenity for each photomontage viewpoint and should be read in conjunction with **Figure 5.11: Photomontages and Wirelines** and **Figure 5.14: Cumulative Assessment Wirelines**.

Viewpoint Data		Landscape and Visual Impact Assessment		Residual Cumulative Effect				Significant in EIA terms*	
Photo-montage Ref No	Distance (km) to nearest turbine	Landscape and Visual Receptor	Description of Impact *	Visual Sensitivity of Viewpoint	Nature and Duration of Effect	Magnitude *	Significance *	at viewpoint Yes/No	at nearest exposed receptor ** Yes/No
1	1.01	Mill Green Farm, off Clay Bank	The operational Bicker Fen Windfarm is visible (in combination) in the background of the view beyond the application proposal some 7km to the south of the viewpoint. Billingborough Windfarm (proposed) would be located beyond Bicker Fen, appearing indistinct at about 13km distance within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
2	1.14	East Heckington, A17	Bicker Fen Windfarm (operational) is visible with the application proposal from this viewpoint seen in succession in the opposite direction about 5km to the south. Billingborough Windfarm (proposed) would be situated beyond Bicker Fen at around 11km distance and would appear indistinct in the background within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
3	1.20	Glebe Farm, Sidebar Lane (junction with Littleworth Drove)	Bicker Fen Windfarm (operational) is visible seen in succession at right angles to this view of the application proposal situated some 6km to the south of the viewpoint. Billingborough Windfarm (proposed) would be located beyond Bibker Fen at about 12km distance appearing indistinct in the background within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
4	1.90	Amber Hill, Sutterton Drove	Bicker Fen Windfarm (operational) is visible in combination in the background of the view beyond the application proposal approximately 8km to the south of the viewpoint. Billingborough Windfarm (proposed) would be situated beyond appearing indistinct at about 14km distance within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved. See Cumulative Wireline 4 .	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
5	2.01	Swineshead Bridge, A17 / A1121	Bicker Fen Windfarm (operational) is visible in succession from this viewpoint at right angles to the view of the application proposal some 4km to the south. Billingborough Windfarm (proposed) would be located beyond Bicker Fen at about 13km distance appearing indistinct in the background within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	Low	Permanent (25 yrs) Reversible	Low	Negligible / Minor	No	No
6	3.88	South Kyme	Bicker Fen Windfarm (operational) is visible in combination in the background of the view beyond the application proposal approximately 10km to the south of the viewpoint. Billingborough Windfarm (proposed) would be located beyond Bicker Fen about 15km distance and would be barely discernible within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved. See Cumulative Wireline 6 .	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
7	4.80	Holland Fen	Bicker Fen Windfarm (operational) is visible in combination in the background of the view beyond the application proposal about 12km to the south. Billingborough Windfarm (proposed) would be situated beyond Bicker Fen barely discernible at around 16km distance within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
8	4.9	Hubberts Bridge, A1121	Bicker Fen Windfarm (operational) is visible to the south west in combination with the application proposal at approximately the same distance – 5km. Billingborough Windfarm (proposed) would be situated beyond Bicker Fen appearing indistinct at about 14km distance within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
9	5.11	Heckington	Neither Bicker Fen Windfarm (operational) nor Billingborough Windfarm (proposed) is / would be visible from this location due to the screening effect of the characteristic mature trees and hedgerows of the fenland fringe / Southern Lincolnshire Edge which forms the setting of Heckington village. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the separation distances involved and landscape context	High	Permanent (25 yrs) Reversible	Negligible	Negligible / Minor	No	No
10	5.41	Langrick Bridge	Bicker Fen Windfarm (operational) is visible in combination in the background of the view beyond the application proposal approximately 11km to the south west. Billingborough Windfarm (proposed) would be situated beyond Bicker Fen barely discernible at about 17km distance within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No

			context and separation distances involved.						
11	5.62	A52, Swineshead	Bicker Fen Windfarm (operational) is visible to the west in combination with the application proposal seen slightly farther away at approximately 4km and 5km respectively. Billingborough Windfarm (proposed) would be situated beyond Swineshead and Bicker Fen appearing indistinct at about 11km distance within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
12	7.14	Ewerby, Clay Pit Lane (junction with Thorpe Road)	Bicker Fen Windfarm (operational) is visible to the south east in combination with the application proposal seen slightly closer to the east at approximately 7km and 10km respectively. Billingborough Windfarm (proposed) would be situated farther way to the south about 17km distance barely discernible due to the fenland fringe context. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the wider landscape context and separation distances involved. See Cumulative Wireline 12 .	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
13	7.16	Helpringham, B1394	Bicker Fen Windfarm (operational) is visible to the east in combination with the application proposal which at 7km distance appears slightly closer to the viewpoint (to the north east) compared with 10km. Billingborough Windfarm (proposed) would be situated farther way to the south about 17km distance barely discernible due to the fenland fringe context. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the wider landscape context and separation distances involved. See Cumulative Wireline 13 .	High	Permanent (25 yrs) Reversible	Low	Minor / Moderate	No	No
14	9.18	Anwick, A153	Neither Bicker Fen Windfarm (operational) nor Billingborough Windfarm (proposed) is / would be visible from this location due to the screening effect of the characteristic mature trees and hedgerows of the fenland fringe / Southern Lincolnshire Edge which forms the setting of Anwick village. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the separation distances involved and landscape context	High	Permanent (25 yrs) Reversible	Negligible	Negligible / Minor	No	No
15	9.28	Boston, A1121	Bicker Fen Windfarm (operational) located about 11km to the south west of the viewpoint would not be visible (in combination at approximately 9km distance) with the application proposal due to the screening effect of intervening vegetation. Billingborough Windfarm (proposed) situated beyond (17km) would also be screened by settlement and vegetation. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Negligible	Negligible / Minor	No	No
16	9.28	Billinghay, A153	Bicker Fen Windfarm (operational) is visible in combination in the background of the view beyond the application proposal approximately 15km to the south. Billingborough Windfarm (proposed) would be located beyond Bicker Fen at about 18km distance and be barely discernible within the Fens. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Very Low	Minor	No	No
17	9.63	Donington, A52 (railway overbridge)	Bicker Fen Windfarm (operational) is visible in the middle ground in combination and behind the application proposal at approximately 3km and 9km respectively. Billingborough Windfarm (proposed) would be situated to the south west within the Fens and be potentially visible in succession at about 5km distance. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.	Low	Permanent (25 yrs) Reversible	Very Low	Negligible	No	No
18	9.66	Kirkby la Thorpe, A17	An elevated, dynamic vista in which Bicker Fen Windfarm (operational) is visible to the south east in combination with the application proposal seen slightly closer to the east at around 9km compared with 11km. Billingborough Windfarm (proposed) would be situated approximately 11km to the south and appear relatively indistinct in views due to the more wooded character of the fenland fringe / Southern Lincolnshire Edge. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the wider landscape context and separation distances involved.	Low	Permanent (25 yrs) Reversible	Very Low	Negligible	No	No
19	11.01	Tattershall Castle, Tattershall	All the CAS would be visible in 360 degree views from this elevated vantage point seen at various distances. Looking south from the top of the keep, Bicker Fen Windfarm (operational) would be visible directly behind the application proposal at distances of 11km and 17km respectively. Billingborough Windfarm (proposed) would be located to the south south west beyond Bicker Fen about 23km distance and be relatively indistinct set within the expansive Fens. The other CAS seen in combination (eg Deeping St Nicholas, Holbeach and Gedney Masrh) or succession (ie Ings Lane, The Hollies, Orby Marsh and Noble Foods) from this viewpoint or would have a very low presence in views due to the fenland landscape context and separation distances involved. See Cumulative Wireline 19 .	High	Permanent (25 yrs) Reversible	Very Low	Minor	No	No
20	11.36	Boston Stump (St Botolph's Church)	All the CAS would be visible in 360 degree views from this elevated vantage point seen at various distances. Looking west from the viewing gallery at Boston Stump, Bicker Fen Windfarm (operational) would be visible to the west south west seen in combination with the slightly closer application proposal at distances of 13km and 11km respectively; Billingborough Windfarm (proposed) would be situated behind Bicker Fen at about 19km distance and be relatively indistinct within the expansive Fens; Deeping St Nicholas would also be visible in combination with the above located about 30km to the south south west. The other CAS – Holbeach, Gedney Masrh, Ings Lane, The Hollies and Orby Marsh – visible in succession would have a very low presence in views due to the fenland landscape context and separation distances involved. See Cumulative Wireline 20 .	High	Permanent (25 yrs) Reversible	Very Low	Minor	No	No
21	13.26	A16, Algarkirk (near A17 intersection)	Bicker Fen Windfarm (operational) is the closest CAS to the viewpoint and visible in combination with the application proposal in the background of the north west looking view, seen set within the Fens beyond the treed skyline at distances of approximately 7km and 13km respectively. Billingborough Windfarm (proposed) would be located beyond Bicker Fen about 13km distance and be barely discernible. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the settled fenland context and separation distances involved.	Low	Permanent (25 yrs) Reversible	Very Low	Negligible	No	No
22	14.86	Sibsey, A16	Bicker Fen Windfarm (operational) is not visible in this south west looking view, but would potentially be visible from nearby viewpoints, albeit barely discernible, seen in combination with and beyond the application proposal at distances of about 14km and 19km respectively. Billingborough Windfarm (proposed) would be situated beyond Bicker Fen at just	Low	Permanent (25 yrs) Reversible	Negligible	Negligible / None	No	No

			over 25km away within the Fens. The two turbines at Ings Lane would be potentially visible in succession around 3km to the south east. The other CAS (including The Hollies and Orby Marsh) would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the fenland landscape context and separation distances involved.						
23	15.45	A52, approaching A15 intersection near Osbournby	A slightly elevated panorama in which Bicker Fen Windfarm (operational) is just visible to the east, seen in combination with and slightly closer to the application proposal at distances around 11km and 15km respectively. Billingborough Windfarm (proposed) would also be visible approximately 6km to the south east although views would be broken up or filtered by the more wooded character of the fenland fringe / Southern Lincolnshire Edge / Kesteven Uplands. The other CAS including Ings Lane would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the wider landscape context and separation distances involved. See Cumulative Wireline 23 .	High	Permanent (25 yrs) Reversible	Very Low	Minor	No	No
24	16.58	A15 near Cranwell (junction with Westcliffe Road)	A broad sweeping view across the Southern Lincolnshire Edge towards the Fens in which Bicker Fen Windfarm (operational) is screened from view by woodland, as would be Billingborough Windfarm (proposed) to the south east. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the wider landscape context and separation distances involved. See Cumulative Wireline 24 .	High	Permanent (25 yrs) Reversible	Very Low	Negligible	No	No
25	16.63	A155 near Mareham le Fen	A south west view across the Fens from the Central Lincolnshire Vale in which Bicker Fen Windfarm (operational) is screened from view by the intervening woodland characteristic of the area, as would be the Billingborough Windfarm (proposed) the south west. The other CAS (including Ings Lane, The Hollies and Orby Marsh) would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the wider landscape context and separation distances involved.	Low	Permanent (25 yrs) Reversible	Negligible	Negligible / None	No	No
26	18.99	Pinchbeck near Spalding, (Macmillan Way)	A northward looking view from within The Fens in which Bicker Fen Windfarm (operational) is mainly screened by tree belts and hedges, as would be Billingborough Windfarm (proposed) some 10km the north west. The other CAS (including Deeping St Nicholas, Gedney Marsh and Holbeach Marsh) would generally not be visible in combination or succession from this viewpoint or would have a very low presence in views due to the settlement fenland context and separation distances involved.	High	Permanent (25 yrs) Reversible	Negligible	Negligible / Minor	No	No
27	22.11	High Dike (Viking Way) near Wellingore	An extensive view across the Southern Lincolnshire Edge towards the Fens in which Bicker Fen Windfarm (operational) is visible, albeit barely discernible, as would be Billingborough Windfarm (proposed) the south east at over 25km distance. The other CAS would generally not be visible in combination or succession from this viewpoint or would have a negligible presence in views due to the wider landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Negligible	Negligible / Minor	No	No
28	26.22	A151, Bourne	A north east looking view across The Fens in which Bicker Fen Windfarm (operational) is screened by tree belts and hedges. Billingborough Windfarm (proposed) would be visible in the middle ground some 13km the north. The other CAS (including Deeping St Nicholas, Gedney Marsh and Holbeach Marsh) would generally not be visible in combination or succession from this viewpoint or would have a very low presence in views due to the settlement fenland context and separation distances involved. See Cumulative Wireline 28 .	Low	Permanent (25 yrs) Reversible	Negligible	Negligible / None	No	No
29	28.16	A153, Foxendale Hill	An elevated vantage point at the south western boundary of the Lincolnshire Wolds AONB. Looking south from the edge of the Wolds, Bicker Fen Windfarm (operational) is visible (albeit barely discernible) directly behind the application proposal on the horizon at distances of 28km and 35km respectively. Billingborough Windfarm (proposed) would be located beyond Bicker Fen about 40km distance, also barely discernible within the expansive Fens. The other CAS potentially visible from this viewpoint eg Noble Foods, Deeping St Nicholas, Holbeach and Gedney Marsh, seen in combination, would have a negligible presence in views due to the fenland context and separation distances involved. Ings Lane, The Hollies and Orby Marsh Windfarms, although closer, would not be visible this part of the AONB. See Cumulative Wireline 29 .	Medium	Permanent (25 yrs) Reversible	Very Low	Negligible / Minor	No	No
30	28.60	Five Mile Lane (Viking Way), Fiskerton	A south east looking view across a finger of Fens which extends northwards as far as Lincoln. Bicker Fen Windfarm (operational), located over 35km away to the south east, is screened by landform and woodland as would be the application proposal and Billingborough Windfarm (proposed) situated some 28km and 40km distance away respectively in the same general direction. The other CAS would not be visible from this viewpoint or would have a negligible presence in views due to the landscape context and separation distances involved.	High	Permanent (25 yrs) Reversible	Negligible	Negligible / Minor	No	No

Notes

* denotes potential residual change to views during construction and operation in good visibility during winter attributable to implementing Heckington Fen Wind Park

** high sensitivity receptors such as residential properties and PRoW situated at a similar distance from the nearest proposed turbine where uninterrupted views are available from front / main elevations

LCA – landscape character area

LPA – local planning authority

NCA – national character area (Natural England)

PRoW – public right of way

BDC – Boston District Council

ELDC – East Lindsey District Council

NKDC – North Kesteven District Council

SHDC – South Holland District Council

SKDC – South Kesteven District Council