East Anglia ONE North and East Anglia TWO Offshore Windfarms

Clarification Note

Landscape and Visual: Sizewell C Cumulative Impact Assessment

Applicants: East Anglia ONE North Limited and East Anglia TWO Limited
Document Reference: ExA.AS-7.D2.V1
SPR Reference: EA1N_EA2-DWF-ENV-REP-IBR-001129

Date: 17th November 2020
Revision: Version 01
Author: Royal HaskoningDHV

Applicable to East Anglia ONE North and East Anglia TWO

Revision Summary				
Rev	**Date**	**Prepared by**	**Checked by**	**Approved by**
001	17/11/2020	Paolo Pizzolla	Lesley Jamieson / Ian Mackay	Rich Morris

Description of Revisions			
Rev	**Page**	**Section**	**Description**
001	n/a	n/a	Submitted to Examining Authority at Deadline 2

Table of Contents

Glossary of Acronyms

AONB	Area of Outstanding Natural Beauty
CIA	Cumulative Impact Assessment
DCO	Development Consent Order
ES	Environmental Statement
LCT	Landscape Character Type
LVIA	Landscape and Visual Impact Assessment
SoCG	Statement of Common Ground
SZC	Sizewell C

Glossary of Terminology

Applicants	East Anglia TWO Limited / East Anglia ONE North Limited.
East Anglia ONE North project	The proposed project consisting of up to 67 wind turbines, up to four offshore electrical platforms, up to one construction, operation and maintenance platform, inter-array cables, platform link cables, up to one operational meteorological mast, up to two offshore export cables, fibre optic cables, landfall infrastructure, onshore cables and ducts, onshore substation, and National Grid infrastructure.
East Anglia TWO project	The proposed project consisting of up to 75 wind turbines, up to four offshore electrical platforms, up to one construction, operation and maintenance platform, inter-array cables, platform link cables, up to one operational meteorological mast, up to two offshore export cables, fibre optic cables, landfall infrastructure, onshore cables and ducts, onshore substation, and National Grid infrastructure.
East Anglia TWO / ONE North windfarm site	The offshore area within which wind turbines and offshore platforms will be located.
Landfall	The area (from Mean Low Water Springs) where the offshore export cables would make contact with land, and connect to the onshore cables.
National Grid substation	The substation (including all of the electrical equipment within it) necessary to connect the electricity generated by the proposed East Anglia TWO / East Anglia ONE North project to the national electricity grid which will be owned by National Grid but is being consented as part of the proposed East Anglia TWO / East Anglia ONE North project Development Consent Order.
Onshore cable corridor	The corridor within which the onshore cable route will be located.
Onshore cable route	This is the construction swathe within the onshore cable corridor which would contain onshore cables as well as temporary ground required for construction which includes cable trenches, haul road and spoil storage areas.
Onshore cables	The cables which would bring electricity from landfall to the onshore substation. The onshore cable is comprised of up to six power cables (which may be laid directly within a trench, or laid in cable ducts or protective covers), up to two fibre optic cables and up to two distributed temperature sensing cables.
Onshore substation	The East Anglia TWO / East Anglia ONE North substation and all of the electrical equipment within the onshore substation and connecting to the National Grid infrastructure.

1 Introduction

1. This clarification note has been prepared by East Anglia TWO Limited and East Anglia ONE North Limited (the Applicants) to clarify aspects of the East Anglia TWO and East Anglia ONE North Development Consent Order (DCO) applications (the Applications).

2. This note sets out the Applicants' clarification on potential cumulative landscape and visual effects of the East Anglia TWO and East Anglia ONE North projects (the Projects) with the proposed Sizewell C New Nuclear Power Station (SZC). The information presented builds upon that provided within ***Procedural Decision 18 Applicants' Responses*** (PDA-001) and aims to address queries raised by the Examining Authority through Procedural Decision 18 in the ***Rule 6 Letter*** (PD-013) dated 16th July 2020.

3. NNB Generation Company (SZC) Limited (promoters of SZC) undertook a fourth round of consultation (Stage 4) from 18th July to 27th September 2019. Information contained within the Stage 4 consultation document was used by the Applicants to undertake a landscape and visual cumulative impact assessment (CIA) for the Projects (presented in ***Appendix 29.5*** of the Environmental Statement (ES) (APP-569)). The SZC DCO application was subsequently submitted on 27th May 2020 and accepted on 24th June 2020. As the SZC DCO application had the potential to contain updated or more detailed information than the Stage 4 consultation document, it is necessary for the Applicants to review the application materials to determine if the conclusions of ***Appendix 29.5*** (APP-589) remain valid.

4. This document is applicable to both the East Anglia ONE North and East Anglia TWO DCO applications, and therefore is endorsed with the yellow and blue icon used to identify materially identical documentation in accordance with the Examining Authority's procedural decisions on document management of 23rd December 2019 (PD-004). Whilst this document has been submitted to both Examinations, if it is read for one project submission there is no need to read it for the other project submission.

1.1 Purpose of this Clarification Note

5. In response to queries raised by the Examining Authority in Procedural Decision 18 (***Rule 6 Letter*** (PD-013)), the Applicants reviewed the SZC DCO application materials and undertook an initial screening exercise to determine whether ***Chapter 29 Landscape and Visual Impact Assessment*** of the Projects' ES (APP-077) and supporting documents needed to be updated or supplemented accordingly.

6. This screening exercise, which is presented within the Applicants' response to Procedural Deadline A (PDA-001), concludes that the Landscape and Visual Impact Assessment (LVIA) presented within the SZC ES does not change the conclusions of the Projects' CIA as presented within ***Appendix 29.5*** of the ES (APP-569). The Applicants have however prepared this clarification note to provide greater detail on the matter and further review whether any refinements to the Projects' CIA can be made.

2 Preliminary Assessment of Cumulative Effects

7. A preliminary assessment of the potential cumulative landscape and visual effects arising between the Projects and SZC was undertaken for the ES, as set out within ***Table A29.7*** of ***Appendix 29.5*** (APP-569). Given that the SZC ES had not been submitted at the time of undertaking the preliminary assessment of cumulative effects, the Applicants referred to the information presented within SZC's Stage 1 Environmental Report and Stage 2 and Stage 3 pre-application consultation documents.

8. The receptors for which the potential for significant construction stage cumulative landscape or visual effects were identified by the preliminary assessment of cumulative effects is presented within ***Table 2.1*** below (taken from ***Table A29.7*** of ***Appendix 29.5*** of the ES (APP-569)). Receptors identified as having no potential for significant construction stage cumulative LVIA effects within ***Table A29.7*** (APP-569) have been omitted from ***Table 2.1***. These have been scoped out of further cumulative assessment, as it is considered there is no pathway for construction stage cumulative LVIA effects to these receptors arising from the overlapping construction of the Projects and SZC.

Table 2.2.1 Receptors for which Potential Significant Construction Stage Cumulative Effects of the Projects with Sizewell C New Nuclear Power Station have been identified within the Preliminary Assessment (taken from Table A29.7 of the ES (APP-569))

Receptor / Impact	Potential for Significant CONSTRUCTION STAGE Cumulative Effects	Potential for Significant OPERATIONAL Cumulative Effects (first year of operation phase)	Potential for Significant OPERATIONAL Cumulative Effects (15 years post construction)
Landfall			
Landscape Receptors			
Landscape Character Type (LCT) 07 Estate Sandlands	Yes	No	No
Suffolk Coast and Heaths Area of Outstanding Natural Beauty (AONB) (and Heritage Coast) Area A: AONB between Thorpeness, Sizewell and Leiston	Yes	No	No
Visual Receptors			
Suffolk Coastal Path (walkers)	Yes	No	No
Sandlings Walk (walkers)	Yes	No	No
Onshore Cable Route			
Landscape Receptors			
LCT 07 Estate Sandlands Area A Thorpeness to Aldringham and Friston	Yes	No	No
LCT 07 Estate Sandlands Area B Sizewell and north of Leiston to Dunwich Forest	Yes	No	No

Receptor / Impact	Potential for Significant CONSTRUCTION STAGE Cumulative Effects	Potential for Significant OPERATIONAL Cumulative Effects (first year of operation phase)	Potential for Significant OPERATIONAL Cumulative Effects (15 years post construction)
Suffolk Coast and Heaths AONB and Heritage Coast Area A: AONB between Thorpeness, Sizewell and Leiston	Yes	No	No
Suffolk Coast and Heaths AONB and Heritage Coast Section C: Sizewell and Dunwich Forest	Yes	No	No
Visual Receptors			
Leiston (residents)	Yes	No	No
B1122 Aldeburgh Road (motorists)	Yes	No	No
Suffolk Coastal Path (walkers)	Yes	No	No
Sandlings Walk (walkers)	Yes	No	No
Suffolk Coastal Cycle Route (cyclists)	Yes	No	No
Onshore Substations and National Grid Substation			
Landscape Receptors			
LCT 07 Estate Sandlands Area A Thorpeness to Aldringham and Friston	Yes	Yes	Yes
LCT 07 Estate Sandlands Area B Sizewell and north of Leiston to Dunwich Forest	Yes	Yes	Yes

9. Based on the above ***Table 2.1***, the Applicants note that at the time of undertaking the preliminary assessment of cumulative effects in the ES (***Appendix 29.5*** (APP-569)), two landscape receptors and five different visual receptors were identified as having potential to experience significant construction stage cumulative effects. These receptors were subsequently assessed in further detail in the ES (***Appendix 29.5*** (APP-569)) and it was found that two landscape receptors and three visual receptors were likely to experience significant construction stage cumulative effects as a result of the Projects with Sizewell C New Nuclear Power Station.

10. Following a review of the SZC ES the Applicants have identified that these two landscape receptors and three visual receptors remain those that have potential to experience significant construction stage cumulative effects, as follows:

- The Estate Sandlands LCT 07;
- The Suffolk Coast and Heaths AONB.
- The Suffolk Coast Path;
- Sandlings Walk; and
- Suffolk Coastal Cycle Route.

11. The above receptors are dealt with in ***Sections 3-7*** below, with each section providing further context on the conclusions drawn in ***Appendix 29.5*** of the ES (APP-569) in light of the new information contained within the SCZ ES.

3 Estate Sandlands LCT (LCT 07)

12. ***Table 3.1*** and ***Table 3.2*** compare the potential effects on the perceived landscape character of LCT 07 as identified within ***Chapter 29*** of the ES (APP-077) with those identified within the SZC LVIA. A professional judgement on whether the new information presented within the SZC LVIA requires an update to the conclusions presented within ***Appendix 29.5*** of the ES (APP-569) is provided, alongside a justification of that professional judgement.

Table 3.1 Construction Phase Effects upon the LCT 07 Estate Sandlands Landscape Receptor

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)
Landfall					
LCT 07 Estate Sandlands	Medium – high.	Significant, short-term and temporary on a localised area to the north of Thorpeness within the landfall.	Large scale, long-term major – moderate significant adverse effect, confined to a limited extent of the LCT. Medium scale, long-term moderate – slight not significant adverse effect, confined to the area between Minsmere and Walberswick. Small – negligible effects at Eastbridge and west of Abbey Lane, north of Leiston. (SZC ES, Vol. 2, Chapter 13, para. 13.6.50)	**Not significant**, medium-term and temporary due to the distance between the landfall and SZC, their visual separation by large areas of Sandlings Forest and coastline, and the relatively small scale of the construction works / footprint of the landfall.	**No change**. The assessment regarding the Estate Sandlands LCT presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.
Onshore Cable Route					
LCT 07 Estate Sandlands Area A	Medium – high.	Significant, short term and temporary within, and immediately adjacent to the onshore cable route sections	Large scale, long-term major – moderate significant adverse effect, confined to a limited extent of the LCT.	**Significant**, medium-term and temporary during the Projects' onshore cable corridor construction, on the	**No change**. The assessment regarding the Estate Sandlands LCT presented within ***Appendix***

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)
Thorpeness to Aldringham and Friston		1 and 2 within the AONB and section 4 west of Snape Road. Not significant, short-term and temporary within, and immediately adjacent to the onshore cable route sections 2 and 3 between Snape Road and the boundary of the AONB, and on the wider landscape character of the Estate Sandlands LCT.	Medium scale, long-term moderate – slight not significant adverse effect, confined to between Minsmere and Walberswick. Small – negligible effects at Eastbridge and west of Abbey Lane, north of Leiston. (SZC ES, Vol. 2, Chapter 13, para. 13.6.50)	character of Area A of the Estate Sandlands LCT. **Not significant**, medium-term and temporary change to the landscape character to the west of Aldringham, where the cumulative interaction between the onshore cable corridor and SZC becomes limited with their increasing distance apart.	***29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.
LCT 07 Estate Sandlands Area B Sizewell and north of Leiston to Dunwich Forest	Medium.	Not significant, short-term and temporary.	Large scale, long-term major – moderate significant adverse effect, confined to a limited extent of the LCT. Medium scale, long-term moderate – slight not significant adverse effect, confined to between Minsmere and Walberswick. Small – negligible effects at Eastbridge and west of	**Significant**, medium-term and temporary during the Projects' onshore cable corridor construction, on the character of Area B the Estate Sandlands LCT, primarily arising as a result of the contribution of SZC construction in this area.	**No change**. The assessment regarding the Estate Sandlands LCT presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)
			Abbey Lane, north of Leiston. (SZC ES, Vol. 2, Chapter 13, para. 13.6.50)		
Onshore Substations and National Grid Substation					
LCT 07 Estate Sandlands Area A Thorpeness to Aldringham and Friston	Medium – high.	Significant, short-term and temporary on localised area to north of Friston within approximately 1.0km around the onshore substations and National Grid substation.	Small – negligible effects at Eastbridge and west of Abbey Lane, north of Leiston. (SZC ES, Vol. 2, Chapter 13, para. 13.6.50)	**Not significant**, medium-term and temporary due to the long distance between the onshore substations and National Grid substation and SZC, their visual separation by areas of woodland / urban development, and the very different geographic areas of the LCT that may be influenced by each.	**No change.** Little interaction between landscape character effects between the Projects' onshore substations and the SZC development. The assessment regarding the Estate Sandlands LCT presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.
LCT 07 Estate Sandlands Area B	Medium.	Not significant, short-term and temporary.	Small – negligible effects at Eastbridge and west of Abbey Lane, north of Leiston.	**Not significant**, medium-term and temporary due to the long distance between the onshore substations and	**No change**. Little interaction between landscape character effects between the Projects'

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)
Sizewell and north of Leiston to Dunwich Forest			(SZC ES, Vol. 2, Chapter 13, para. 13.6.50)	National Grid substation and SZC, their visual separation by areas of woodland / urban development, and the very different geographic areas of the LCT that may be influenced by each.	onshore substations and the SZC development. The assessment regarding the Estate Sandlands LCT presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Table 3.2 Operation Phase Effects upon the LCT07 Estate Sandlands Landscape Receptor

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Landfall					
LCT 07 Estate Sandlands	Medium – high.	Not significant.	Localised major – moderate significant adverse effect, confined to a limited extent of the LCT. Longer-term and wider moderate, not significant positive effect. (SZC ES, Vol. 2, Chapter 13, para. 13.6.209 – 13.6.212)	**Not significant**.	**No change**. No operation phase cumulative effects upon LCT 07 resulting from the landfall of the Projects.
Onshore Cable Route					
LCT 07 Estate Sandlands	Medium – high.	Significant, short-term and temporary at the woodland west of Aldeburgh Road (first year of operation). Not significant, long-term and permanent beyond the first year of the operation phase and the within the wider LCT.	Major – moderate significant adverse. (SZC ES, Vol. 2, Chapter 13, para. 13.6.209 – 13.6.212)	**Not significant**, long-term and permanent.	**No change**. The only temporary, short-term significant effects are assessed for the Projects, with non-significant longer-term permanent effects assessed.
Onshore Substations and National Grid Substation					

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
LCT 07 Estate Sandlands Area A Thorpeness to Aldringham and Friston	Medium – high.	**First year of operation phase** Significant, long-term and temporary on localised area to north of Friston within approximately 1.0km around the onshore substations and National Grid substation. Not significant, long-term and temporary over remaining areas of LCT. **15-years post-construction** Significant, long-term and permanent on localised area to north of Friston within approximately 1.0km around the onshore substations and National Grid substation. Not significant, long-term and permanent over remaining areas of LCT.	Major – moderate significant adverse, long-term and permanent restricted to the built footprint of SZC. (SZC ES, Vol. 2, Chapter 13, para. 13.6.209 – 13.6.212)	**First year of operation phase** **Not significant**, long-term and temporary. **15-years post-construction** **Not significant**, long-term and permanent. Due to the long distance between the onshore substations and National Grid substation and SZC, their visual separation by areas of woodland / urban development, and the very different geographic areas of the LCT that may be influenced by each.	**No change**. Little interaction between landscape character effects between the Projects' onshore substations and SZC. The assessment regarding the Estate Sandlands LCT presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.
LCT 07 Estate Sandlands	Medium.	**First year of operation phase**	Major – moderate significant adverse, long-term and	**First year of operation phase**	**No change**.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Area B Sizewell & north of Leiston to Dunwich Forest		Not significant, long-term and temporary. **15-years post-construction** Not significant, short-term and permanent.	permanent restricted to the built footprint of SZC. (SZC ES, Vol. 2, Chapter 13, para. 13.6.209 – 13.6.212)	**Not significant**, long-term and temporary **15-years post-construction** **Not significant**, long-term and permanent Due to the long distance between the onshore substations and National Grid substation and SZC, their visual separation by areas of woodland / urban development, and the very different geographic areas of the LCT that may be influenced by each.	Little interaction between landscape character effects between the Projects' onshore substations and SZCt. The assessment regarding the Estate Sandlands LCT presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.
LCT 07 Estate Sandlands Area C Aldeburgh to Snape	Medium-high	**First year of operation phase** Not significant, long-term and temporary **15-years post-construction** Not significant, short-term and permanent	Major – moderate significant adverse, long-term and permanent restricted to the built footprint of SZC. (SZC ES, Vol. 2, Chapter 13, para. 13.6.209 – 13.6.212)	N/A	**No change**. No change due to not significant effects upon LCT 07 Area C from the Projects.

4 Suffolk Coast and Heaths AONB

13. ***Table 4.1*** and ***Table 4.2*** compare the potential landscape effects experienced on the Suffolk Coast and Heaths AONB as identified within ***Chapter 29*** of the ES (APP-077) with those identified within the SZC LVIA. A professional judgement on whether the new information presented within the SZC LVIA requires an update to the conclusions presented within ***Appendix 29.5*** of the ES (APP-569) is provided, alongside a justification of that professional judgement.

Table 4.1 Construction Phase LVIA Effects upon the Suffolk Coast and Heaths AONB

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Landfall					
Suffolk Coast and Heaths AONB (and Heritage Coast) Area A: AONB between Thorpeness, Sizewell and Leiston	Medium – high.	Significant, short-term and temporary on localised area to the north of Thorpeness within landfall.	Large scale effects would occur inside the main development site and the approximate area between Eastbridge and Minsmere Sluice and the immediate offshore area. The key natural beauty indicators affected would be landscape quality, scenic quality, relative wildness, relative tranquillity and natural heritage features. The effects would generally be of high-medium magnitude, major (significant) and adverse. Medium scale effects (on these AONB special qualities) would arise across the majority of the Minsmere	**Not significant**, medium-term and temporary due to the distance between the landfall and SZC, their visual separation by areas of Sandlings Forest and coastline, and the relatively small scale of the construction works at the landfall.	**No change**. The assessment regarding the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.
Suffolk Coast and Heaths AONB (and Heritage Coast) Area B: AONB between Thorpeness, Aldeburgh and Snape	Medium – high.	Not significant, short-term and temporary.		Scoped out as not significant.	**No change**. The assessment regarding the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Suffolk Coast and Heaths AONB (and Heritage Coast) Area C: AONB Sizewell and Dunwich Forest	Medium – high.	Not significant, short-term and temporary.	Coastal Levels to the southern edge of Dunwich Heath. Effects would occur over an intermediate extent of this area, be predominantly medium magnitude, major – moderate (significant) and adverse. Medium scale effects (on AONB special qualities) would also occur to the south of the main development site extending south of Kenton Hills up to the northern edge of the Walks and small sections of the coastline to a maximum distance of c.1.5 – 2km. This would affect an intermediate extent of the area, and generally be medium magnitude, major – moderate (significant) and adverse.	Scoped out as not significant.	**No change**. The assessment regarding the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			Medium – small scale effects (on AONB special qualities) would occur along sections of the coastline and adjacent coastal grazing marshes between Thorpeness and Aldeburgh Car Park. These effects would affect a localised extent of the area and generally be medium – low magnitude, moderate-slight (not significant) and adverse. (SZC ES, Vol. 2, Chapter 3, para. 13.6.139-144)		
Onshore Cable Route					
Suffolk Coast and Heaths AONB (and Heritage Coast) Area A: AONB between Thorpeness,	High.	Significant, short-term and temporary construction stage effects on the landscape / scenic quality and relative wildness / tranquillity of area A of the AONB experienced over several separate short 2-3	Large scale effects would occur inside the main development site and the approximate area between Eastbridge and Minsmere Sluice and the immediate offshore area. The key natural beauty indicators affected would be landscape	**Significant**, medium-term and temporary during the Projects' cable corridor construction, on the character and special qualities of Area A of the AONB. **Not significant**, medium-term and temporary change	**No change**. The assessment of cumulative effects between the Projects and SZC on the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Sizewell and Leiston		month periods of peak construction activity.	quality, scenic quality, relative wildness, relative tranquillity and natural heritage features. The effects would generally be of high – medium magnitude, major (significant) and adverse. Medium scale effects (on these AONB special qualities) would arise across the majority of the Minsmere Coastal Levels to the southern edge of Dunwich Heath. Effects would occur over an intermediate extent of this area, be predominantly medium magnitude, major – moderate (significant) and adverse. Medium scale effects (on AONB special qualities) would also occur to the south of the main development site extending	to the landscape character to the west of Aldringham, where the cumulative interaction between the onshore cable corridor and Sizewell C becomes limited with their increasing distance apart as the onshore cable corridor extends outside the AONB.	the potential cumulative effects between projects.
Suffolk Coast and Heaths AONB (and Heritage Coast) Area B: AONB between Thorpeness, Aldeburgh and Snape	Medium – high.	Not significant, short-term and temporary due to low change to special qualities.		Scoped out as not significant.	**No change**. The assessment regarding the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.
Suffolk Coast and Heaths AONB (and Heritage Coast) Area	Medium.	Not significant, short-term and temporary due to negligible change to special qualities.		**Significant**, medium-term and temporary during construction period for the Projects' onshore cable corridor construction, on the	**No change**. The assessment regarding the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
C: AONB Sizewell and Dunwich Forest			south of Kenton Hills up to the northern edge of the Walks and small sections of the coastline to a maximum distance of c.1.5 – 2km. This would affect an intermediate extent of the area, and generally be medium magnitude, major – moderate (significant) and adverse. Medium small scale effects (on AONB special qualities) would occur along sections of the coastline and adjacent coastal grazing marshes between Thorpeness and Aldeburgh Car Park. These effects would affect a localised extent of the area and generally be medium – low magnitude, moderate – slight (not significant) and adverse. (SZC ES, Vol. 2, Chapter 3, para. 13.6.139-144)	character and special qualities of Area C of the AONB primarily arising as a result of the contribution of SZC construction near this area.	569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Onshore Substations and National Grid Substation					
Suffolk Coast and Heaths AONB (and Heritage Coast) Area A: AONB between Thorpeness, Sizewell and Leiston	High.	Not significant, short-term and temporary construction stage effects on the landscape / scenic quality, relative wildness / tranquillity, natural and cultural heritage special qualities of area A of the AONB.	Large scale effects would occur inside the main development site and the approximate area between Eastbridge and Minsmere Sluice and the immediate offshore area. The key natural beauty indicators affected would be landscape quality, scenic quality, relative wildness, relative tranquillity and natural heritage features. The effects would generally be of high – medium magnitude, major (significant) and adverse. Medium scale effects (on these AONB special qualities) would arise across the majority of the Minsmere Coastal Levels to the southern edge of Dunwich Heath. Effects would occur over an intermediate extent	Scoped out as not significant.	**No change**. The assessment of cumulative effects between the Projects and SZC on the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between projects.
Suffolk Coast and Heaths AONB (and Heritage Coast) Area B: AONB between Thorpeness, Aldeburgh and Snape	Medium – high.	Not significant, short-term and temporary due to low change to special qualities.		Scoped out as not significant.	**No change**. The assessment regarding the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.
Suffolk Coast and Heaths AONB (and	Medium.	Not significant, short-term and temporary due to		Scoped out as not significant.	**No change**.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Heritage Coast) Area C: AONB Sizewell and Dunwich Forest		negligible change to special qualities.	of this area, be predominantly medium magnitude, major – moderate (significant) and adverse. Medium scale effects (on AONB special qualities) would also occur to the south of the main development site extending south of Kenton Hills up to the northern edge of the Walks and small sections of the coastline to a maximum distance of c.1.5 – 2km. This would affect an intermediate extent of the area, and generally be medium magnitude, major – moderate (significant) and adverse. Medium – small scale effects (on AONB special qualities) would occur along sections of the coastline and adjacent coastal grazing marshes		The assessment regarding the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			between Thorpeness and Aldeburgh Car Park. These effects would affect a localised extent of the area and generally be medium – low magnitude, moderate – slight (not significant) and adverse. (SZC ES, Vol. 2, Chapter 3, para. 13.6.139-144)		

Table 4.2 Operation Phase LVIA Effects upon the Suffolk Coasts and Heaths AONB

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Landfall					
Suffolk Coast and Heaths AONB	N/A	Scoped out as not significant.	Large scale effects on AONB special qualities within limited area around the immediate vicinity of the main platform, extending north along the coast towards Minsmere Sluice and into the southern section of Minsmere Levels and Sizewell Belts. Adverse effects would arise mainly due to effects on aspects of landscape and scenic quality of medium magnitude, major – moderate (significant). Medium – small and small scale adverse effects would arise across Minsmere to Dunwich Heath Coastguard Cottages to the north. These effects would be permanent, intermediate in extent and low magnitude, moderate (not significant) and adverse.	Scoped out as not significant.	**No change**. The assessment regarding the Projects and SZC on the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			Small scale effects would arise in the localised area of restored Sandlings grassland within the former temporary construction area. The reinstatement of the temporary construction area, and its long-term management, would make a positive contribution to several natural beauty / special quality indicators of the AONB, of low magnitude, moderate (not significant) and both adverse and positive. (SZC ES, Vol. 2, Chapter 3, para. 13.6.311-315)		
Onshore Cable Route					
Suffolk Coast and Heaths AONB	N/A	Scoped out as not significant.	Large scale effects on AONB special qualities within limited area around the immediate vicinity of the main platform, extending north along the coast towards Minsmere	Scoped out as not significant.	**No change**. The assessment regarding the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			Sluice and into the southern section of Minsmere Levels and Sizewell Belts. Adverse effects would arise mainly due to effects on aspects of landscape and scenic quality of medium magnitude, major – moderate (significant). Medium – small and small scale adverse effects would arise across Minsmere to Dunwich Heath Coastguard Cottages to the north. These effects would be permanent, intermediate in extent and low magnitude, moderate (not significant) and adverse. Small scale effects would arise in the localised area of restored Sandlings grassland within the former temporary construction area. The reinstatement of the temporary construction area, and its long-term management, would make a		the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			positive contribution to several natural beauty / special quality indicators of the AONB, of low magnitude, moderate (not significant) and both adverse and positive. (SZC ES, Vol. 2, Chapter 3, para. 13.6.311-315)		
Onshore Substations and National Grid Substation					
Suffolk Coast and Heaths AONB	N/A	Not significant, long-term, permanent construction stage effects on the landscape/scenic quality, relative wildness/tranquillity, natural and cultural heritage special qualities of area A of the AONB.	Large scale effects on AONB special qualities within limited area around the immediate vicinity of the main platform, extending north along the coast towards Minsmere Sluice and into the southern section of Minsmere Levels and Sizewell Belts. Adverse effects would arise mainly due to effects on aspects of landscape and scenic quality of medium magnitude, major – moderate (significant).	Scoped out as not significant.	**No change**. The assessment regarding the Suffolk Coast and Heaths AONB presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			Medium – small and small scale adverse effects would arise across Minsmere to Dunwich Heath Coastguard Cottages to the north. These effects would be permanent, intermediate in extent and low magnitude, moderate (not significant) and adverse. Small scale effects would arise in the localised area of restored Sandlings grassland within the former temporary construction area. The reinstatement of the temporary construction area, and its long-term management, would make a positive contribution to several natural beauty / special quality indicators of the AONB, of low magnitude, moderate (not significant) and both adverse and positive.		

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			(SZC ES, Vol. 2, Chapter 3, para. 13.6.311-315)		

5 Suffolk Coast Path

14. ***Table 5.1*** and ***Table 5.2*** compare the potential visual effects experienced from the Suffolk Coast Path as identified within ***Chapter 29*** of the ES (APP-077) with those identified within the SZC LVIA. A professional judgement on whether the new information presented within the SZC LVIA requires an update to the conclusions presented within ***Appendix 29.5*** of the ES (APP-569) is provided, alongside a justification of that professional judgement.

Table 5.1 Construction Phase Effects upon the Suffolk Coast Path

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Landfall					
Suffolk Coastal Path	Medium – high.	Significant, short-term and temporary on views experienced over a short (1.0km) section of the route, to the north of Thorpeness, where the route of the path passes the landfall. Not significant, short-term and temporary over the remainder of the Suffolk Coastal Path.	Effects would be both large, medium and small scale for intermediate extents of the route. Taken together, these would give rise to effects which would be high – medium magnitude, major to major-moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 3, para. 13.6.116) Sections of Sandlings Walk and Suffolk Coast Path (and future England Coast Path) would be diverted inland within the AONB (along Sandy Lane, Lover's Lane and Eastbridge Road) for temporary periods during construction. Large scale adverse effect on users of the Suffolk Coast Path and Sandlings Walk (and future	**Significant**, medium-term and temporary sequential effect to views experienced over a 1km section of the route, to the north of Thorpeness, where the route of the path passes the landfall and over a 5km section of the route between Sizewell and Dunwich Heath, where the Suffolk Coastal Path passes in close proximity to the construction of SZC. **Not significant**, medium-term and temporary over the remainder of the Suffolk Coastal Path.	**No change**. The assessment regarding the Suffolk Coastal Path presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			England Coast Path) within limited section of AONB affected by construction. (SZC ES, Vol. 2, Chapter 3, Table 13.14)		
Onshore Cable Route					
Suffolk Coastal Path	Medium – high.	Significant, short-term, temporary views experienced by walkers over a short 1.8km section of the route to the north of Thorpeness, where the onshore cable route crosses, or is adjacent to the Suffolk Coastal Path. Not significant, short-term and temporary on the Suffolk Coastal Path as a whole.	Effects would be both large, medium and small scale for intermediate extents of the route. Taken together, these would give rise to effects which would be high – medium magnitude, major to major-moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 3, para. 13.6.116) Sections of Sandlings Walk and Suffolk Coast Path (and future England Coast Path) would be diverted inland within the AONB (along Sandy Lane, Lover's Lane and Eastbridge Road) for	**Significant**, medium-term and temporary sequential effect to views experienced over a 1.8km section of the route to the north of Thorpeness, where the onshore cable route crosses, or is adjacent to the Suffolk Coastal Path and over a 5km section of the route between Sizewell and Dunwich Heath, where the Suffolk Coastal Path passes in close proximity to the construction of SZC and where the effect on views primarily arises as a result of the contribution of SZC construction.	**No change**. The assessment regarding the Suffolk Coastal Path presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			temporary periods during construction. Large scale adverse effect on users of the Suffolk Coast Path and Sandlings Walk (and future England Coast Path) within limited section of AONB affected by construction. (SZC ES, Vol. 2, Chapter 3, Table 13.14)	**Not significant**, medium-term and temporary over the remainder of the Suffolk Coastal Path.	
Onshore Substations and National Grid Substation					
Suffolk Coastal Path	Medium – high.	Not significant.	Effects would be large, medium and small scale for intermediate extents of the route. Taken together, these would give rise to effects which would be high – medium magnitude, major to major-moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 3, para. 13.6.116) Sections of Sandlings Walk and Suffolk Coast Path (and	**Not significant**.	**No change**. The assessment regarding the Suffolk Coastal Path presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			future England Coast Path) would be diverted inland within the AONB (along Sandy Lane, Lover's Lane and Eastbridge Road) for temporary periods during construction. Large scale adverse effect on users of the Suffolk Coast Path and Sandlings Walk (and future England Coast Path) within limited section of AONB affected by construction. (SZC ES, Vol. 2, Chapter 3, Table 13.14)		

Table 5.2 Operation Phase Effects upon the Suffolk Coast Path

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Landfall					
Suffolk Coastal Path	Medium – high.	Not significant.	**Northbound** For northbound route users, the long-term and permanent effects would be large scale for a limited extent of the route as it passes the site, resulting in effects that would be medium magnitude, major – moderate (significant) and adverse. Between Sizewell Beach and Aldeburgh there would be localised, small scale effects which would be low magnitude, moderate (not significant) and adverse. Effects on more distant sections of the route further south would be negligible. (SZC ES, Vol. 2, Chapter 3, para. 13.6.274-275)	**Not significant**.	**No change**. The assessment regarding the Suffolk Coastal Path presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			Southbound For southbound route users, long-term and permanent effects would be large to medium scale for a localised extent of the route between the site and Minsmere, resulting in effects that would be high – medium magnitude, major (significant) and adverse. Between Dunwich and Minsmere (a localised extent), the effects would be medium–small scale and Medium–low magnitude, major – moderate to moderate (significant) and adverse. Effects on more distant sections of the route further north would be predominantly negligible. (SZC ES, Vol. 2, Chapter 3, para. 13.6.279-280)		

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Onshore Cable Route					
Suffolk Coastal Path	Medium – high.	Not significant.	**Northbound** For northbound route users, the long-term and permanent effects would be large scale for a limited extent of the route as it passes the site, resulting in effects that would be medium magnitude, major – moderate (significant) and adverse. Between Sizewell Beach and Aldeburgh there would be localised, small scale effects which would be low magnitude, moderate (not significant) and adverse. Effects on more distant sections of the route further south would be negligible. (SZC ES, Vol. 2, Chapter 3, para. 13.6.274-275) **Southbound**	**Not significant**.	**No change**. The assessment regarding the Suffolk Coastal Path presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			For southbound route users, long-term and permanent effects would be large to medium scale for a localised extent of the route between the site and Minsmere, resulting in effects that would be high – medium magnitude, major (significant) and adverse. Between Dunwich and Minsmere (a localised extent), the effects would be medium – small scale and medium – low magnitude, major – moderate to moderate (significant) and adverse. Effects on more distant sections of the route further north would be predominantly negligible. (SZC ES, Vol. 2, Chapter 3, para. 13.6.279-280)		
Onshore Substations and National Grid Substation					

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Suffolk Coastal Path	Medium – high.	Not significant.	**Northbound** For northbound route users, the long-term and permanent effects would be large scale for a limited extent of the route as it passes the site, resulting in effects that would be medium magnitude, major – moderate (significant) and adverse. Between Sizewell Beach and Aldeburgh there would be localised, small scale effects which would be low magnitude, moderate (not significant) and adverse. Effects on more distant sections of the route further south would be negligible. (SZC ES, Vol. 2, Chapter 3, para. 13.6.274-275) **Southbound** For southbound route users, long-term and permanent	**Not significant**.	**No change**. The assessment regarding the Suffolk Coastal Path presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			effects would be large to medium scale for a localised extent of the route between the site and Minsmere, resulting in effects that would be high – medium magnitude, major (significant) and adverse. Between Dunwich and Minsmere (a localised extent), the effects would be medium – small scale and medium – low magnitude, major – moderate to moderate (significant) and adverse. Effects on more distant sections of the route further north would be predominantly negligible. (SZC ES, Vol. 2, Chapter 3, para. 13.6.279-280)		

6 Sandlings Walks

15. ***Table 6.1*** and ***Table 6.2*** compare the potential visual effects experienced from the Sandlings Walk as identified within ***Chapter 29*** of the ES (APP-077) with those identified within the SZC LVIA. A professional judgement on whether the new information presented within the SZC LVIA requires an update to the conclusions presented within ***Appendix 29.5*** of the ES (APP-569) is provided, alongside a justification of that professional judgement.

Table 6.1 Construction Phase Effects upon the Sandlings Walk

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Landfall					
Sandlings Walk	Medium – high	Significant, short-term and temporary on views experienced over a short (1km) section of the route, to the north of Thorpeness, where the route of the path passes the landfall. Not significant, short term and temporary over the remainder of the Sandlings Walk.	Effects would be large and medium scale as the route passes the site between Eastbridge and Sizewell Gap – an intermediate extent; and medium–small to small scale within occasional glimpsed views within up to 5km from the site (a limited extent given the infrequent views). Taken together, these would give rise to effects which would be medium magnitude, major–moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 13, para. 13.6.117)	Significant, medium-term and temporary sequential effect to views experienced over a 1km section of the route, to the north of Thorpeness, where the route of the path passes the landfall and over a 6km section of the route between Sizewell, Minsmere Haven, Leiston Abbey and Eastbridge where the walk passing through the Sizewell C construction area. Not significant, medium term and temporary over the remainder of the Sandlings Walk.	**No Change.** The assessment of cumulative effect on Sandlings Walk presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects.
Onshore Cable Route					
Sandlings Walk	Medium – high	Significant, short-term and temporary on views experienced by walkers over	Effects would be large and medium scale as the route passes the site between	Significant, medium-term and temporary sequential effect to views experienced	**No Change.** The assessment of cumulative effect on

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
		approximately 2.2km section between Friston and Sloe Lane; and approx. 1.7km section between Aldringham Common and Sizewell. Not significant, short-term, temporary on the Sandlings Walk as a whole.	Eastbridge and Sizewell Gap – an intermediate extent; and medium–small to small scale within occasional glimpsed views within up to 5km from the site (a limited extent given the infrequent views). Taken together, these would give rise to effects which would be medium magnitude, major–moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 13, para. 13.6.117)	over three sections of the route: from the edge of Friston to Sloe Lane for approximately 2.2km where the route runs parallel to and subsequently crosses the onshore cable route; from the edge of Aldringham Common to Sizewell for approximately 1.7km where the route crosses through and then runs parallel to the onshore cable route; and over a 6km section of the route between Sizewell, Minsmere Haven, Leiston Abbey and Eastbridge where the walk passing through the Sizewell C construction area and where the changes primarily arise as a result of the contribution of Sizewell C construction. Not significant, medium term and temporary over the	Sandlings Walk presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
				remainder of the Sandlings Walk.	
Onshore Substations and National Grid Substation					
Sandlings Walk: Section A Southern edge of study area at Snape to Friston (Grove Road)	Medium – high	Not significant, short-term, temporary	Effects would be large and medium scale as the route passes the site between Eastbridge and Sizewell Gap – an intermediate extent; and medium–small to small scale within occasional glimpsed views within up to 5km from the site (a limited extent given the infrequent views). Taken together, these would give rise to effects which would be medium magnitude, major–moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 13, para. 13.6.117)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.
Sandlings Walk: Section B Friston	Medium – high	Not significant, short-term, temporary	Effects would be large and medium scale as the route passes the site between	Scoped out. No cumulative effect identified.	**No change**.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
(Grove Road) to Sloe Lane (Billeaford Hall)			Eastbridge and Sizewell Gap – an intermediate extent; and medium–small to small scale within occasional glimpsed views within up to 5km from the site (a limited extent given the infrequent views). Taken together, these would give rise to effects which would be medium magnitude, major–moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 13, para. 13.6.117)		No cumulative effect assessed.
Sandlings Walk: Section C Sloe Lane (Billeaford Hall) to Aldringham Common	Medium – high	Not significant, short-term, temporary	Effects would be large and medium scale as the route passes the site between Eastbridge and Sizewell Gap – an intermediate extent; and medium–small to small scale within occasional glimpsed views within up to 5km from the site (a limited extent given the infrequent views). Taken together,	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			these would give rise to effects which would be medium magnitude, major–moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 13, para. 13.6.117)		
Sandlings Walk: Section D Aldringham Common to Sizewell	Medium – high	Not significant, short-term, temporary	Effects would be large and medium scale as the route passes the site between Eastbridge and Sizewell Gap – an intermediate extent; and medium–small to small scale within occasional glimpsed views within up to 5km from the site (a limited extent given the infrequent views). Taken together, these would give rise to effects which would be medium magnitude, major–moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 13, para. 13.6.117)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Sandlings Walk: Section E Sizewell to northern edge of study area south of East Bridge	Medium – high	Not significant, short-term, temporary	Effects would be large and medium scale as the route passes the site between Eastbridge and Sizewell Gap – an intermediate extent; and medium–small to small scale within occasional glimpsed views within up to 5km from the site (a limited extent given the infrequent views). Taken together, these would give rise to effects which would be medium magnitude, major–moderate (significant) and adverse. (SZC ES, Vol. 2, Chapter 13, para. 13.6.117)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Table 6.2 Operation Phase Effects upon the Sandlings Walk

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Landfall					
Sandlings Walk	Medium – high	N/A	Major–moderate (significant) and adverse.	N/A	**No change**. No cumulative effect assessed.
Onshore Cable Route					
Sandlings Walk	Medium – high	N/A	Major–moderate (significant) and adverse.	N/A	**No change**. No cumulative effect assessed.
Onshore Substations and National Grid Substation					
Sandlings Walk: Section A Southern edge of study area at Snape to Friston (Grove Road)	Medium – high	**First year of operation phase** Not significant, long-term, temporary **15-years post-construction** Not significant, long-term, permanent	**Northbound** For northbound walkers, long-term and permanent effects would be large scale for a limited extent of the route as it passes the SZC site resulting in medium magnitude, major–moderate (significant) and adverse effects.	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			(SZC ES, Vol. 2, Chapter 13, para. 13.6.284) **Southbound** For southbound walkers, effects would be large scale, long-term and permanent for a limited extent of the route as it passes the SZC site resulting in high-medium magnitude, major–moderate (significant) and adverse effects. (SZC ES, Vol. 2, Chapter 13, para. 13.6.288)		
Sandlings Walk: Section B Friston (Grove Road) to Sloe Lane (Billeaford Hall)	Medium – high	**First year of operation phase** Not significant, long-term, temporary **15-years post-construction** Not significant, long-term, permanent	**Northbound** For northbound walkers, long-term and permanent effects would be large scale for a limited extent of the route as it passes the SZC site resulting in medium magnitude, major–moderate (significant) and adverse effects.	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			(SZC ES, Vol. 2, Chapter 13, para. 13.6.284) **Southbound** For southbound walkers, effects would be large scale, long-term and permanent for a limited extent of the route as it passes the SZC site resulting in high-medium magnitude, major–moderate (significant) and adverse effects. (SZC ES, Vol. 2, Chapter 13, para. 13.6.288)		
Sandlings Walk: Section C Sloe Lane (Billeaford Hall) to Aldringham Common	Medium – high	**First year of operation phase** Not significant, long-term, temporary **15-years post-construction** Not significant, long-term, permanent	**Northbound** For northbound walkers, long-term and permanent effects would be large scale for a limited extent of the route as it passes the SZC site resulting in medium magnitude, major–moderate (significant) and adverse effects.	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			(SZC ES, Vol. 2, Chapter 13, para. 13.6.284) **Southbound** For southbound walkers, effects would be large scale, long-term and permanent for a limited extent of the route as it passes the SZC site resulting in high-medium magnitude, major–moderate (significant) and adverse effects. (SZC ES, Vol. 2, Chapter 13, para. 13.6.288)		
Sandlings Walk: Section D Aldringham Common to Sizewell	Medium – high	**First year of operation phase** Not significant, long-term, temporary **15-years post-construction** Not significant, long-term, temporary	**Northbound** For northbound walkers, long-term and permanent effects would be large scale for a limited extent of the route as it passes the SZC site resulting in medium magnitude, major–moderate (significant) and adverse effects.	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			(SZC ES, Vol. 2, Chapter 13, para. 13.6.284) **Southbound** For southbound walkers, effects would be large scale, long-term and permanent for a limited extent of the route as it passes the SZC site resulting in high-medium magnitude, major–moderate (significant) and adverse effects. (SZC ES, Vol. 2, Chapter 13, para. 13.6.288)		
Sandlings Walk: Section E Sizewell to northern edge of study area south of East Bridge	Medium – high	**First year of operation phase** Not significant, long-term, temporary **15-years post-construction** Not significant, long-term, permanent	**Northbound** For northbound walkers, long-term and permanent effects would be large scale for a limited extent of the route as it passes the SZC site resulting in medium magnitude, major–moderate (significant) and adverse effects.	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
			(SZC ES, Vol. 2, Chapter 13, para. 13.6.284) **Southbound** For southbound walkers, effects would be large scale, long-term and permanent for a limited extent of the route as it passes the SZC site resulting in high-medium magnitude, major–moderate (significant) and adverse effects. (SZC ES, Vol. 2, Chapter 13, para. 13.6.288)		

7 Suffolk Coastal Cycle Route

16. ***Table 7.1*** and ***Table 7.2*** compare the potential visual effects experienced from the Suffolk Coastal Cycle Route as identified within ***Chapter 29*** of the ES (APP-077) with those identified within the SZC LVIA. A professional judgement on whether the new information presented within the SZC LVIA requires an update to the conclusions presented within ***Appendix 29.5*** of the ES (APP-569) is provided, alongside a justification of that professional judgement.

Table 7.1 Construction Phase Effects upon the Suffolk Coastal Cycle Route

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Landfall					
Suffolk Coastal Cycle Route	Medium – high	N/A	Negligible (not significant) (SZC ES, Vol. 2, Chapter 3, Table 13.18)	N/A	**No change**. No cumulative effect assessed.
Onshore Cable Route					
Suffolk Coastal Cycle Route	Medium – high	Significant, short-term and temporary on views experienced by cyclists over approximately 500m section on Grove Road between Friston and Grove Wood. Not significant, short-term, temporary on the Suffolk Coastal Cycle Route as a whole.	Negligible (not significant) (SZC ES, Vol. 2, Chapter 3, Table 13.18)	Significant, medium-term and temporary sequential effect on views experienced over two sections of the route: a 500m section of the route, along Grove Road between Friston and Grove Wood, where the onshore cable route crosses or is adjacent to the route of Suffolk Coastal Cycle Route; and from a 2.5km section between Leiston Abbey and Eastbridge where the route passes through the Sizewell C construction area and where the changes primarily arise as a result of the	**No change**. The assessment of cumulative effect on the Suffolk Coastal Cycle Route presented within ***Appendix 29.5*** (APP-569) is considered representative of the potential cumulative effects between SZC and the Projects

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
				contribution of Sizewell C construction. Not significant, medium term and temporary over the remainder of the Suffolk Coastal Cycle Route.	
Onshore Substations and National Grid Substation					
Suffolk Coastal Cycle Route: Section A Northern edge of study area to Grove Wood	Medium – high	Not significant, short-term, temporary	Negligible (not significant). (SZC ES, Vol. 2, Chapter 3, Table 13.18)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.
Suffolk Coastal Cycle Route: Section B Grove Wood (Manor Farm) to northern edge of Friston	Medium – high	Significant, short-term, temporary	Negligible (not significant). (SZC ES, Vol. 2, Chapter 3, Table 13.18)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Suffolk Coastal Cycle Route: Section C Grove Road through Friston	Medium – high	Not significant, short-term, temporary	Negligible (not significant). (SZC ES, Vol. 2, Chapter 3, Table 13.18)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

Table 7.2 Operation Phase Effects upon the Suffolk Coastal Cycle Route

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Landfall					
Suffolk Coastal Cycle Route	Medium – high	No operation phase effect assessed.	Negligible (not significant). (SZC ES, Vol. 2, Chapter 3, Table 13.19)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.
Onshore Cable Route					
Suffolk Coastal Cycle Route	Medium – high	No operation phase effect assessed.	Negligible (not significant). (SZC ES, Vol. 2, Chapter 3, Table 13.19)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.
Onshore Substations and National Grid Substation					
Suffolk Coastal Cycle Route: Section A Northern edge of study area to Grove Wood	Medium – high	**First year of operation phase** Not significant, long-term, temporary **15-years post-construction** Not significant, long-term, permanent	Negligible (not significant). (SZC ES, Vol. 2, Chapter 3, Table 13.19)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.
Suffolk Coastal Cycle Route:	Medium – high	**First year of operation phase**	Negligible (not significant).	Scoped out. No cumulative effect identified.	**No change**.

Receptor	Sensitivity to Change	Projects Alone Significance of Effect	SZC Alone Significance of Effect	Significance of Cumulative Effect of Projects and SZC Presented within Appendix 29.5 (APP-569)	Changes to Conclusions within Appendix 29.5 (APP-569)?
Section B Grove Wood (Manor Farm) to northern edge of Friston		Significant, long-term, temporary **15-years post-construction** Not significant, long-term, permanent	(SZC ES, Vol. 2, Chapter 3, Table 13.19)		No cumulative effect assessed.
Suffolk Coastal Cycle Route: Section C Grove Road through Friston	Medium – high	**First year of operation phase** Not significant, long-term, temporary **15-years post-construction** Not significant, long-term, permanent	Negligible (not significant). (SZC ES, Vol. 2, Chapter 3, Table 13.19)	Scoped out. No cumulative effect identified.	**No change**. No cumulative effect assessed.

8 Conclusion

17. The landscape and visual CIA of the Projects and SZC presented within ***Appendix 29.5*** of the ES (APP-569) utilises information contained within the SZC Stage 4 consultation document. The SZC DCO application was subsequently submitted on 27th May 2020. As the SZC DCO application has the potential to contain updated or more detailed information than the Stage 4 consultation document, it is necessary for the Applicants to review the application materials to determine if the conclusions of ***Appendix 29.5*** (APP-589) remain valid.

18. The Applicants first reviewed SZC DCO application materials to inform their response to the Examining Authority's queries regarding cumulative impacts arising from the Projects with SZC, the Applicants reviewed the SZC DCO application material. The review and its outcomes are presented within the Applicants' responses to Procedural Deadline A (PDA-001).

19. SZC's landscape and visual information is contained within the SZC ES Chapter 13, Appendices 13A – 13I and Figures 13.1 – 13.10.107.

20. The further review undertaken as part of this clarification note identifies that the landscape and visual conclusions presented within the SZC ES do not change the Projects' CIA conclusions presented with ***Chapter 29*** (APP-077) and ***Appendix 29.5*** (APP-569).

21. In summary, ***Chapter 29*** (APP-077), ***Appendix 29.5*** (APP-569) and this clarification note conclude that the significant cumulative effects resulting from the Projects with SZC comprise:

    - Significant, medium-term and temporary effects on landscape character as a result of the construction of the onshore cable route (Section 1 and 2) on localised parts of the Estate Sandlands LCT along the cable route, approximately between landfall, Sizewell, Leiston and Aldringham, and the special qualities of coincident areas of the Suffolk Coastal Heaths AONB, as a result of the influence of the overlapping programme of construction of the Projects onshore cable route and SZC construction in this area of the AONB.
    - Significant, medium-term and temporary sequential effect to views as a result of the landfall and onshore cable route construction, together with construction of SZC experienced over a short sections of the Suffolk Coast Path, to the north of Thorpeness, and over a longer 5km section of the route between Sizewell and Dunwich Heath, in close proximity to the construction of SZC.

- Significant, medium-term and temporary sequential effects during construction of the Projects' landfalls to views experienced over a 1km section of the Sandlings Walk to the north of Thorpeness. And significant medium-term and temporary sequential effects during construction of the Projects' onshore cable routes to views experienced over three sections of the Sandlings Walk at the edge of Friston to Sloe Lane; at the edge of Aldringham Common to Sizewell; and for a 6km stretch of the route between Sizewell and Eastbridge.
- Significant, medium-term and temporary sequential effect during construction of the Projects' onshore cable routes on views experienced over two sections of the Suffolk Coastal Cycle Route: for a 500m section of the route, along Grove Road between Friston and Grove Wood, where the onshore cable route crosses or is adjacent to the route of Suffolk Coastal Cycle Route; and from a 2.5km section between Leiston Abbey and Eastbridge.

22. All significant cumulative landscape and visual effects of the Projects' landfall and onshore cable route with SZC are not significant during the operational period.

23. The Projects' onshore substations and National Grid substation results in no significant cumulative landscape and visual effects of the Projects with SZC, due to their separate geographic locations and influence resulting in separate project alone impacts on different receptor areas.