

Stonestreet Green Solar

Environmental Statement

Volume 4: Appendices

Chapter 8: Landscape and Views

Appendix 8.12: Cumulative Effects Table (Tracked)

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CUMULATIVE LANDSCAPE EFFECTS – LANDSCAPE CHARACTER AREA ('LCA') ALDINGTON RIDGE						
Viewpoints within LCA: 7, 10, 11, 12, 13, 14, 24, 27 and 28. Visualisations prepared for viewpoints 12, 14, 24, 27 and 28 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
High	Construction	Ample	Very Short	Very Small	Cumulative schemes ID No. 7 and ID No. 8 are small residential developments located on the eastern edge of Aldington, adjacent to existing residential settlement. Construction of these is expected to have a minimal impact on the character of the LCA and therefore the cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect). On this basis the cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Minor (Adverse)
	Construction Residual	Ample	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Minor (Adverse)
	Operation (Year 1)	Ample	Medium	Medium	Together, cumulative schemes ID No. 7 and ID No. 8 occupy approximately 2.1ha of land, which will not appreciably increase the extent of the LCA affected by the Project on its own. Furthermore, the cumulative schemes will be perceived as locally characteristic change (i.e. small residential extension to an existing village), and the cumulative schemes are accompanied by their own landscape schemes to enhance the landscape and integrate built form.	Moderate (Adverse)
	Operational Residual (Year 15)	Ample / Extensive	Medium	Medium / Large	At Year 15, the Project and cumulative schemes ID No. 7 and ID No. 8 will be softened and integrated within the landscape as a result of the establishment of their respective landscape proposals, together resulting in no additional cumulative effect. However, at Year 15, the assessment assumes ID No.10 (Otterpool Park) will be built out resulting in an extensive area of approximately 225 hectares on the eastern extent of the LCA being developed as a large new residential settlement. However, this will be separated from the Project by a considerable distance with no direct interaction. Nonetheless, considering the scale and extent of ID No.10, the cumulative effect on the LCA at Year 15 is considered to be Moderate-Major adverse.	Moderate – Major (adverse) And Moderate (Beneficial)
	Decommissioning	Modest	Very Short	Very Small	Cumulative schemes ID No. 7, ID No. 8 and ID No. 10 are not expected to be decommissioned. Therefore, no additional cumulative effects will result from this stage.	Minor (Adverse)
	Decommissioning Residual	Modest	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Minor (Adverse)

LCA – Old Romney Shoreline Wooded Farmlands – scoped out of cumulative assessment as no cumulative schemes are located in this LCA.

CUMULATIVE LANDSCAPE EFFECTS – LCA UPPER STOUR VALLEY						
Viewpoints within LCA: 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 30 and 31. Visualisations prepared for viewpoints 16, 20, 22, 25, 30 and 31 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Ample	Very Short	Small - Very Small	Cumulative schemes ID No. 3, ID No. 4 and ID No. 9 are located in the LCA and will lead to an increase in the extent of built development within the eastern part of the LCA compared with the Project on its own. This includes East Stour Solar Farm (ID No. 9 – approximately 5ha), Pivot Power Battery Storage (ID No. 3 – approximately 2.1ha) and Walsh Power Condenser Project (ID No. 4 – approximately 5ha). Construction operations, including the Project Substation and Grid Connection Route will affect a higher proportion of the LCA, but not to the extent that the overall scale of change is greater, particularly given the duration of change is very short. Nonetheless the cumulative effects will be experienced over a greater area.	Negligible (Adverse)
	Construction Residual	Ample	Very Short	Small - Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Negligible (Adverse)
	Operation (Year 1)	Ample - Modest	Medium	Medium – Small	Following completion, there will be a noticeable change to a moderate proportion of the receptor as a result of new built form associated ID No. 3, ID No. 4 and ID No. 9 and the Project across the eastern extent of the LCA, for an extended temporary period. Whilst the cumulative effect is the same level as the Project on its own, the extent of the LCA over which these effects will be perceived will be greater.	Moderate-Minor (Adverse)
	Operational Residual (Year 15)	Ample	Medium	Medium	Following the establishment of planting proposals across cumulative schemes ID No. 3, ID No. 4 and ID No. 9 and the Project, which as a whole are an extensive enhancement of the landscape, the scale of adverse change will abate to a degree. However, at Year 15 it is assumed that ID No. 10 (Otterpool Park) will be completed by this assessment timeframe, resulting in increased built form in the eastern extent of the LCA on an area of approximately 35ha. As such the overall cumulative change at this stage will be noticeable and will affect an extended geographic area. Nonetheless, considering the establishment of planting proposals throughout the schemes, there will be combination of adverse and beneficial effects.	Moderate (Adverse and Beneficial)
	Decommissioning	Modest - Ample	Very Short	Very Small	ID No. 10 is not expected to be decommissioned. Should the temporary cumulative schemes and the Project be decommissioned at the same time, there will be similar change to the construction period. However, this change will be in the context of and enhanced landscape, with greater containment resulting in a reduced scale of change.	Negligible (Adverse)
	Decommissioning Residual	Modest - Ample	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Negligible

						(Adverse)
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CUMULATIVE LANDSCAPE EFFECTS – NL LCA 2C POSTLING SCARP AND VALE						
Viewpoints within LCA: 34, 35 & 38. Visualisations prepared for viewpoints 34, 35 & 38 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
High	Construction	Modest	Very Short	Very Small	The Project and all of the assessed cumulative schemes are located within the setting of this LCA, with Phase 1a of Otterpool Park (ID No. 10) and East Stour Solar Farm (ID No. 9) in particular having some intervisibility with the LCA. However, due to a combination of distance, topography and intervening vegetation, visibility of construction activities will be partial (the bulk of Otterpool Park (ID No. 10) not being built out at this stage). As such, in cumulative terms, there will be short term indirect effects on the LCA due to changes apparent in the setting, and loss of views back towards the North Downs ridgeline from the cumulative sites and the Site. Therefore, the LCA receptor will experience a perceptible change across a discrete area for a very short duration.	Minor (Adverse)
	Construction Residual	Modest	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Minor (Adverse)
	Operation (Year 1)	Modest	Medium	Small	The LCA will be subject to a perceptible change across a discrete area as a result of changes in the setting and intervisibility with the LCA area for the operational duration of the Project (i.e. 40 years). Due to the distance to the Project and East Stour Solar Farm (ID No. 9) and the anticipated phasing of Otterpool Park (ID No. 10), the change in setting will not be strongly noticeable. On this basis, and using professional judgement, the effect is considered to be moderate-minor.	Moderate - Minor (Adverse)
	Operational Residual (Year 15)	Ample	Medium	Medium	Whilst the establishment of planting will assist in integrating the cumulative schemes accounted for in earlier stages within the landscape, a loss of intervisibility with the North Downs from its setting will continue. Furthermore, the remainder of Otterpool Park is assumed to be in place at this assessment stage. As a result, the change will be noticeable across an extended area for the remainder of the operational lifetime or the Project.	Moderate (Adverse)
	Decommissioning	Modest	Very Short	Very Small	ID No. 10 is not expected to be decommissioned. Should the temporary cumulative schemes and the Project be decommissioned at the same time, there will be similar change to the construction period. However, this change will be in the context of an enhanced landscape, with greater containment resulting in a reduced scale of change.	Minor (Adverse)
	Decommissioning Residual	Modest	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Minor (Adverse)

CUMULATIVE LANDSCAPE EFFECTS – NL LCA 4C STOUR VALLEY						
<u>Viewpoints within LCA: 36 & 37. Visualisations prepared for viewpoint 36 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
High	Construction	Compact	Very Short	Very Small	The cumulative schemes are located to the east of the Project and are not considered to form part of the setting of the LCA to the extent they will result on appreciable effects on it. As for the assessment of effects for the Project on its own, applying professional judgement the effect is considered to be negligible and neutral. The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Negligible (Neutral)
	Construction Residual	Compact	Very Short	Very Small		Negligible (Neutral)
	Operation (Year 1)	Compact	Medium	Very Small		Negligible (Neutral)
	Operational Residual (Year 15)	Compact	Very Short	Very Small		Negligible (Neutral)
	Decommissioning	Compact	Very Short	Very Small		Negligible (Neutral)
	Decommissioning Residual	Compact	Very Short	Very Small		Negligible (Neutral)

CUMULATIVE LANDSCAPE EFFECTS – NL LCA 5B LYMPNE GREENSAND ESCARPMENT						
Viewpoints within LCA: 27. Visualisations prepared for viewpoint 27 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Compact	Very Short	Very Small	Due to a lack of intervisibility and interaction between the Project and the Otterpool Park Development (ID No. 10) as experienced from within the LCA and considering the key characteristics of the LCA a focus on views to the south over the Romney Marshes, no additional cumulative effects will occur.	Negligible (Adverse)
	Construction Residual	Compact	Very Short	Very Small		Negligible (Adverse)
	Operation (Year 1)	Compact	Medium	Very Small		Negligible (Adverse)
	Operational Residual (Year 15)	Compact	Medium	Very Small		Negligible (Neutral)
	Decommissioning	Compact	Very Short	Very Small		Negligible (Neutral)
	Decommissioning Residual	Compact	Very Short	Very Small		Negligible (Neutral)

CUMULATIVE VISUAL EFFECTS – USERS OF PRow (within / adjacent to the Site)						
Representative Viewpoints: 1, 2, 3, 12, 20 & 24. Visualisations prepared for viewpoints 12, 20 & 24 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Extensive	Short	Medium	Users of PRow within the Site are unlikely to have views of the cumulative schemes, with the exception of users of PRow AE474 where there will be close range views of Land North of 1, Church View, Aldington (ID No. 7) for a brief section of the PRow to the south of Parcel E. However, PRow users travelling along PRow to the east of Parcel D (Fields 26-29) will experience sequential views of the Project, and subsequently East Stour Solar Farm (ID No.9). The proximity of these developments, and their similar natures is such that the visual effects identified for the Project on its own will be perceived to extend over a wider geographic area. Notwithstanding, no PV panels are proposed in Fields 26-29. Only the Project Substation is proposed in Field 26. It is therefore likely that visual receptors will perceive the Project and ID No. 9 sequentially and intermittently.	Moderate (Adverse)
	Construction Residual	Extensive	Short	Medium		Moderate (Adverse)
	Operation (Year 1)	Extensive	Long	Large		Moderate (Adverse)
	Operational Residual (Year 15)	Ample	Long	Large		Moderate (Adverse)
	Decommissioning	Ample - Extensive	Short	Small - Medium	Whilst the scale of change for visual receptors at all stages will remain the same (owing to the similar nature of change experienced), the geographical area over which the cumulative effects are experienced will be greater than the Project on its own.	Moderate - Minor (Adverse)
	Decommissioning Residual	Ample - Extensive	Short	Small - Medium		Moderate - Minor (Adverse)

*In the interests of proportionality the three receptor groups for users of PRow within or adjacent to the Site identified in the main assessment of visual effects have been grouped together. On balance, their sensitivity is judged to be medium. This is due to the limited parts of the Site from which notable views of the North Downs are experienced, the presence of detractive features (e.g. The HS1/Network Rail railway line), and the non-designated status of the Site.

CUMULATIVE VISUAL EFFECTS – USERS OF PRoW AE449						
Representative Viewpoint: 14. Visualisations prepared for viewpoint 14 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium - High	Construction	Modest	Short	Small	Very limited partial views are of East Stour Solar Farm (ID No. 9) are likely to be experienced. However, the majority of this cumulative scheme will be screened by intervening landform and vegetation at a distance of approximately 1.5km. ID No .9 is likely to be barely perceptible and will not increase the scale of visual change. As with the assessment of the Project on its own, applying professional judgment, the residual operational effect is judged to be minor, and the decommissioning effect is judged to be negligible. The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Moderate - Minor (Adverse)
	Construction Residual	Modest	Short	Small		Moderate - Minor (Adverse)
	Operation (Year 1)	Modest	Long	Medium		Moderate (Adverse)
	Operational Residual (Year 15)	Compact	Long	Small		Minor (Adverse)
	Decommissioning	Compact	Very Short	Very Small		Negligible (Adverse)
	Decommissioning Residual	Compact	Very Short	Very Small		Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – RESIDENTS IN THE NORTH OF ALDINGTON						
<u>Representative Viewpoint: 14. Visualisations prepared for viewpoint 14 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium - High	Construction	Modest	Short	Small	Very limited partial views of East Stour Solar Farm (ID No. 9) are likely to be experienced. However, the majority of this cumulative scheme will be screened by intervening landform and vegetation at a distance of approximately 1.5km. ID No. 9 is likely to be barely perceptible and will not increase the scale of visual change. As with the assessment of the Project on its own, applying professional judgment, the residual operational effect is judged to be minor, and the decommissioning effect is judged to be negligible. The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Moderate - Minor (Adverse)
	Construction Residual	Modest	Short	Small		Moderate - Minor (Adverse)
	Operation (Year 1)	Modest	Long	Medium		Moderate (Adverse)
	Operational Residual (Year 15)	Compact	Long	Small		Minor (Adverse)
	Decommissioning	Compact	Very Short	Very Small		Negligible (Adverse)
	Decommissioning Residual	Compact	Very Short	Very Small		Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – PEOPLE TRAVELLING ON GOLDWELL LANE						
Representative Viewpoints: 17 & 24. Visualisations prepared for viewpoint 24 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Ample	Very Short	Very Small	There will be close range views of Land North of 1, Church View, Aldington (ID No. 7) and Land Southwest of Goldwell Court, Goldwell Lane (ID No. 8) in glimpsed views from the southern extent of the road, with more distant glimpsed views of East Stour Solar Farm (ID No. 9), seen in with views of the southern edger of Parcel E, and its access route. Should ID No .7, ID No. 8 and ID No.9 be constructed at the same time, there will be close range views of construction activities seen intermittently along a substantial section of the road. The change will occupy a sizeable extent of views seen intermittently for a temporary period.	Negligible (Adverse)
	Construction Residual	Ample	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Negligible (Adverse)
	Operation (Year 1)	Ample	Medium	Medium	Following completion, schemes ID No. 7 and ID No. 8 will become dominant features in close range glimpsed views from the southern section of the road. These schemes are also likely to obstruct views of the Project itself to a degree, albeit distant very partial glimpses of the Project (and ID No. 9) may remain over planting proposals included in these schemes (as shown in the cumulative visualisations). The change in views will be noticeable intermittently for receptors travelling along the road for an extended temporary period.	Moderate (Adverse)
	Operational Residual (Year 15)	None	None	None	Following establishment of planting proposals provided as part of ID No. 7 and ID No. 8, it is likely that the Project will not be apparent in views from the road. As such there will be no cumulative effect.	Nil (N/A)
	Decommissioning	Compact	Very Short	Very Small	Due to decommissioning activities on the access to Parcel E, there will be glimpsed cumulative views which in the context of established vegetation are likely to result in a barely perceptible change experienced intermittently.	Negligible (Adverse)
	Decommissioning Residual	Compact	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – RESIDENTS ON GOLDWELL LANE						
<u>Representative Viewpoints: 24 & 25. Visualisations prepared for viewpoints 24 & 25 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Modest	Short	Small	Very limited partial views are of East Stour Solar Faarm (ID No. 9) are likely to be experienced however the majority of the scheme will be screened by intervening landform and vegetation at a distance of approximately 1.3km. ID No. 9 is likely to be barely perceptible and will not increase the scale of visual change.	Minor (Adverse)
	Construction Residual	Modest	Short	Small		Minor (Adverse)
	Operation (Year 1)	Compact	Long	Small	The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Minor (Adverse)
	Operational Residual (Year 15)	Compact	Medium	Very Small		Negligible (Adverse)
	Decommissioning	Compact - Modest	Short	Small - Very Small		Minor - Negligible (Adverse)
	Decommissioning Residual	Compact - Modest	Short	Small - Very Small		Minor - Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – PEOPLE TRAVELLING ALONG ROMAN ROAD, AND USERS OF PRoW AE473						
<u>Representative Viewpoint: 27. Visualisations prepared for viewpoints 27 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
High	Construction	Compact	Very Short	Very Small	Very limited partial views are Land North of 1, Church View, Aldington (ID No. 7) and Land Southwest of Goldwell Court, Goldwell Lane (ID No. 8) are likely to be experienced. The majority of these schemes will be screened by intervening landform/built form. Where visible, they will be perceived as a small extension to existing built form in Aldington, and therefore not uncharacteristic features. As with the assessment of the Project on its own, applying professional judgement, the residual operational effect will be negligible and the effect during decommissioning will be negligible. The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Minor (Adverse)
	Construction Residual	Compact	Very Short	Very Small		Minor (Adverse)
	Operation (Year 1)	Compact	Medium	Very Small		Minor (Adverse)
	Operational Residual (Year 15)	Compact	Medium	Very Small		Negligible (Adverse)
	Decommissioning	Compact	Very Short	Very Small		Negligible (Adverse)
	Decommissioning Residual	Compact	Very Short	Very Small		Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – RESIDENTS ON ROMAN ROAD						
<u>Representative Viewpoint: 27. Visualisations prepared for viewpoints 27 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Compact	Short	Very Small	Very limited partial views are Land North of 1, Church View, Aldington (ID No. 7) and Land Southwest of Goldwell Court, Goldwell Lane (ID No. 8) are likely to be experienced. However, the majority of these cumulative schemes will be screened by intervening landform/built form. Where visible, they will be perceived as a small extension to existing built form in Aldington, and therefore not uncharacteristic features. The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Negligible (Adverse)
	Construction Residual	Compact	Short	Very Small		Negligible (Adverse)
	Operation (Year 1)	Compact	Long	Small		Minor (Adverse)
	Operational Residual (Year 15)	Compact	Medium	Very Small		Negligible (Adverse)
	Decommissioning	Compact	Short	Very Small		Negligible (Adverse)
	Decommissioning Residual	Compact	Short	Very Small		Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – USERS OF PRoW AE474						
<u>Representative Viewpoint: 28. Visualisations prepared for viewpoints 287 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
High	Construction	Modest-Compact	Short	Small -Very Small	There will be views of East Stour Solar Farm (ID No. 9) on Bested Hill at a distance of approximately 1.4km, views of Land North of 1, Church View, Aldington (ID No. 7) and Land Southwest of Goldwell Court, Goldwell Lane (ID No. 8) at a distance of approximately 950m as well as a very small distant part of the Project in Field 25. Cumulative schemes ID No. 7 and ID No. 8 are small residential extensions to Aldington and will not appreciably alter the composition of views. Combined construction activities of the Project and ID No. 9 will lead to a temporary perceptible change altering a limited extend of wide panoramic views. Construction activities relating to ID No. 9 will be perceived continuously for a temporary period.	Minor – Moderate (Adverse)
	Construction Residual	Modest-Compact	Short	Small - Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Minor – Moderate (Adverse)
	Operation (Year 1)	Modest-Compact	Long	Small - Medium	Following completion, the Project and ID No. 9 in combination will lead to a perceptible change altering a limited extend of wide panoramic views experienced continuously for a substantial length of the PRoW.	Moderate (Adverse)
	Operational Residual (Year 15)	Modest-Compact	Long	Small-Medium	Whilst the establishment of planting will assist in integrating both the Project and ID No. 9 within the landscape to a degree, views of a similar nature are likely to remain for receptors in this location.	Moderate (Adverse)
	Decommissioning	Modest-Compact	Very Short	Very Small	Whilst activities relating to the Project are likely to be barely perceptible, views of activities relating to ID No. 9 are likely to be similar to those identified during construction. Applying professional judgment, the effect is considered to be negligible.	Negligible (Adverse)
	Decommissioning Residual	Modest-Compact	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – USERS OF PRoW AE401, COLLIER’S HILL						
<u>Representative viewpoint: 29. Visualisations prepared for viewpoints 29 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
High	Construction	Modest	Short	Small	Very limited long distance partial views are of Sellindge Battery Storage (ID No. 3) Walsh Power Condenser Project (ID No. 4) and Otterpool Park (ID No. 10) are likely to be experienced. However, they are largely screened by intervening landform and vegetation and will be barely perceptible in the context of existing built form (e.g. Sellindge Substation).	Moderate (Adverse)
	Construction Residual	Modest	Short	Small		Moderate (Adverse)
	Operation (Year 1)	Modest	Long	Medium	The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Moderate (Adverse)
	Operational Residual (Year 15)	Modest	Long	Medium		Moderate (Adverse)
	Decommissioning	Modest	Short	Small		Moderate (Adverse)
	Decommissioning Residual	Modest	Short	Small		Moderate (Adverse)

CUMULATIVE VISUAL EFFECTS – USERS OF PRoW AE428 – OUTSIDE OF THE SITE						
<u>Representative Viewpoint: 30. Visualisations prepared for viewpoint 30 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Ample	Short	Small	Two cumulative schemes, Land North of 1, Church View, Aldington (ID No. 7) and Land Southwest of Goldwell Court, Goldwell Lane (ID No. 8), will be partially visible on the skyline adjacent to Aldington. However, they are likely to be strongly filtered by intervening vegetation and will be perceived in the context of existing residential built form in Aldington.	Minor (Adverse)
	Construction Residual	Ample	Short	Small		Minor (Adverse)
	Operation (Year 1)	Ample	Long	Large	The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Moderate (Adverse)
	Operational Residual (Year 15)	Ample	Long	Large		Moderate (Adverse)
	Decommissioning	Modest	Short	Small		Minor (Adverse)
	Decommissioning Residual	Modest	Short	Small		Minor (Adverse)

CUMULATIVE VISUAL EFFECTS – USERS OF PRoW AE370 – NEAR THE FORSTAL						
<u>Representative Viewpoint: 31. Visualisations prepared for viewpoint 31 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Modest	Short	Small	Two cumulative schemes, Land North of 1, Church View, Aldington (ID No. 7) and Land Southwest of Goldwell Court, Goldwell Lane (ID No. 8), will be partially visible on the skyline adjacent to Aldington. However, they are likely to be strongly filtered by intervening vegetation and will be perceived in the context of existing residential built form in Aldington.	Minor (Adverse)
	Construction Residual	Modest	Short	Small		Minor (Adverse)
	Operation (Year 1)	Modest	Long	Medium	The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Moderate (Adverse)
	Operational Residual (Year 15)	Modest / Compact	Long	Medium / Small		Minor / Moderate (Adverse)
	Decommissioning	Compact	Very Short	Very Small		Negligible (Adverse)
	Decommissioning Residual	Compact	Very Short	Very Small		Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – RESIDENTS IN THE FORSTAL						
<u>Representative Viewpoint: 31. Visualisations prepared for viewpoint 31 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Compact - Modest	Short	Small - Very Small	Two cumulative schemes, Land North of 1, Church View, Aldington (ID No. 7) and Land Southwest of Goldwell Court, Goldwell Lane (ID No. 8), will be partially visible on the skyline adjacent to Aldington. However, they are likely to be strongly filtered by intervening vegetation and will be perceived in the context of existing residential built form in Aldington.	Minor – Negligible (Adverse)
	Construction Residual	Compact - Modest	Short	Small - Very Small		Minor – Negligible (Adverse)
	Operation (Year 1)	Compact - Modest	Long	Small - Medium	The cumulative effects are judged to be no greater than the Project on its own (i.e. no additional cumulative effect).	Minor – Moderate (Adverse)
	Operational Residual (Year 15)	Compact	Long	Small		Minor (Adverse)
	Decommissioning	Compact	Short	Very Small		Negligible (Adverse)
	Decommissioning Residual	Compact	Short	Very Small		Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – USERS OF PRoW HE307						
<u>Representative Viewpoint: 33. Visualisations prepared for viewpoint 33 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.</u>						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Medium	Construction	Compact - Modest	Very Short	Very Small	Partial views of Pivot Power Battery Storage (ID No. 3), Walsh Power Condenser Project (ID No. 4), and East Stour Solar Farm (ID No. 9) at a distance of between 900m and 1.5km as well as partial distant views of the Project at a distance in excess of 3.5km will be experienced from a short section of the PRoW. Receptors will experience a perceptible change that will in combination alter a limited extent of views, for a very short duration.	Negligible (Adverse)
	Construction Residual	Compact – Modest	Very Short	Very Small	No further mitigation is required, therefore the effects will remain as set out above.	Negligible (Adverse)
	Operation (Year 1)	Compact – Modest	Medium	Small – Very Small	Receptors will experience a perceptible change that will (in combination) alter a limited extent of views, during the operational period, experienced for a brief period for visual receptors travelling along the route.	Minor - Negligible (Adverse)
	Operational Residual (Year 15)	Compact - Modest	Medium	Small – Very Small	Following establishment of planting, the Project and cumulative schemes are likely to be further integrated within the landscape, however the scale of change will remain as identified at Year 1.	Minor - Negligible (Adverse)
	Decommissioning	Compact - Modest	Very Short	Very Small	Decommissioning operations are likely to be similar in nature to the construction phase.	Negligible (Adverse)
	Decommissioning Residual	Compact - Modest	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Negligible (Adverse)

CUMULATIVE VISUAL EFFECTS – PEOPLE TRAVELLING ON THE NORTH DOWNS WAY IN THE KENT DOWNS NL						
Representative Viewpoint: 34, 35, 36, 37 & 38. Visualisations prepared for viewpoint 34, 35, 36 & 38 (See ES Appendices 8.10: LVIA Visualisations & 8.11 Cumulative LVIA Visualisations). For further details on cumulative scheme visibility, refer to ES Chapter 8, Table 8.10.						
SENSITIVITY	ASSESSMENT PHASE	SCALE	DURATION	MAGNITUDE	NOTES	SIGNIFICANCE
Very High	Construction	Modest	Very Short	Very Small	Cumulative schemes Land North of 1, Church View, Aldington (ID No. 7) and Land Southwest of Goldwell Court, Goldwell Lane (ID No. 8), are small scale residential extensions to Aldington that are unlikely to be appreciable in the context of long-distance views from the North Downs ridgeline. Cumulative schemes Sellindge Battery Storage (ID No. 3), Walsh Power Condenser Project (ID No. 4), East Stour Solar Farm (ID No. 9) and Phase 1a of Otterpool Park (ID No. 10) will be partially visible in sequential views from the ridge in the context of considerable intervening vegetation and landform. The combined construction activities of the cumulative schemes and the Project will lead to a perceptible change in views seen at considerable distance and likely to be intermittent dependent on weather conditions.	Minor (Adverse)
	Construction Residual	Modest	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Minor (Adverse)
	Operation (Year 1)	Modest	Medium	Small	Following completion, the combination of the cumulative schemes (including only Phase 1a of ID No.10) and the Project will result in an increase in the extent of built form in long distance views. The change will be perceptible, will occupy a relatively discrete extent of panoramic views and will be at considerable distance and seen intermittently for an extended temporary period.	Moderate (Adverse)
	Operational Residual (Year 15)	Ample - Modest	Medium	Small - Medium	Following establishment of planting proposals across the cumulative schemes assessed in earlier stages at Year 15, they will be increasingly integrated within their respective landscape contexts, reducing the scale of change and assessed resultant effect to a degree. However, at Year 15, the entirety of Otterpool Park (ID No. 10) is assumed to be in place, resulting in a greater extent of built form visible, particularly on higher ground of the Aldington Ridge near the existing settlement of Lympne, which will be more prominent than Phase 1a of ID No. 10, the other cumulative schemes and the Project. However, considering the distances over which these views are experienced (typically over 4km), the change will be noticeable in clear weather conditions occupying a discrete extent of wide panoramic views, resulting in ample-modest scale of change.	Major - Moderate (Adverse)
	Decommissioning	Compact	Very Short	Very Small	ID No. 10 is not expected to be decommissioned, therefore the scale of change resulting from the temporary cumulative schemes in combination with the Project (assuming they are decommissioned concurrently) will be more limited, with consideration for the increased screening provided by established mitigation planting. On the basis of the above and using professional judgement the effect is considered to be negligible.	Negligible (Adverse)

	Decommissioning Residual	Compact	Very Short	Very Small	No further mitigation is proposed, therefore the effects will remain as set out above.	Negligible (Adverse)
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SUMMARY OF CUMULATIVE EFFECTS							
RECEPTOR	SENSITIVITY	CUMULATIVE EFFECTS					
		CONSTRUCTION	CONSTRUCTION RESIDUAL	OPERATION (YEAR 1)	OPERATIONAL RESIDUAL (YEAR 15)	DECOMMISSIONING	DECOMMISSIONING RESIDUAL
LCA ALDINGTON RIDGE	High	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	Moderate – Major Adverse and Moderate Beneficial	No additional cumulative effect	No additional cumulative effect
LCA UPPER STOUR VALLEY	Medium	Negligible (Adverse)	Negligible (Adverse)	Moderate-Minor (Adverse)	Moderate (Adverse and Beneficial)	Negligible (Adverse)	Negligible (Adverse)
NL LCA 2C POSTLING SCARP AND VALE	High	Minor (Adverse)	Minor (Adverse)	Moderate-Minor (Adverse)	Moderate (Adverse)	Minor (Adverse)	Minor (Adverse)
NL LCA 4C STOUR VALLEY	High	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
NL LCA 5B LYMPNE GREENSAND ESCARPMENT	Medium	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
USERS OF PROW (within / adjacent to the Site)	Medium	Moderate (Adverse)	Moderate (Adverse)	Moderate (Adverse)	Moderate (Adverse)	Moderate - Minor (Adverse)	Moderate - Minor (Adverse)
USERS OF PROW AE449	Medium - High	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
RESIDENTS IN THE NORTH OF ALDINGTON	Medium - High	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
PEOPLE TRAVELLING ON GOLDWELL LANE	Medium	Negligible (Adverse)	Negligible (Adverse)	Moderate (Adverse)	Nil (N/A)	Negligible (Adverse)	Negligible (Adverse)
RESIDENTS ON GOLDWELL LANE	Medium	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect

SUMMARY OF CUMULATIVE EFFECTS							
PEOPLE TRAVELLING ALONG ROMAN ROAD, AND USERS OF PRoW AE473	High	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
RESIDENTS ON ROMAN ROAD	Medium	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
USERS OF PRoW AE474	High	Minor – Moderate (Adverse)	Minor – Moderate (Adverse)	Moderate (Adverse)	Moderate (Adverse)	Negligible (Adverse)	Negligible (Adverse)
USERS OF PRoW AE401, COLLIER'S HILL	High	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
USERS OF PRoW AE428 – OUTSIDE OF THE SITE	Medium	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
USERS OF PRoW AE370 – NEAR THE FORSTAL	Medium	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
RESIDENTS IN THE FORSTAL	Medium	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect	No additional cumulative effect
USERS OF PRoW HE307	Medium	Negligible (Adverse)	Negligible (Adverse)	Minor - Negligible (Adverse)	Minor - Negligible (Adverse)	Negligible (Adverse)	Negligible (Adverse)
PEOPLE TRAVELLING ON THE NORTH DOWNS WAY IN THE KENT DOWNS NL	Very High	Minor (Adverse)	Minor (Adverse)	Moderate (Adverse)	Major - Moderate (Adverse)	Negligible (Adverse)	Negligible (Adverse)
Boxes shaded grey denote effects considered significant for EIA purposes. Boxes shaded blue have no additional cumulative effect.							

Assessment Glossary of Terms (refer to ES Volume 4, Appendix 8.2: LVIA Methodology (Doc Ref. 5.4) for detailed description of criteria applied in this appendix).

- Value of the receptor: Very Low, Low, Medium, High or Very High
- Susceptibility of the receptor: Very Low, Low, Medium, High or Very High
- Sensitivity of the receptor: Very Low, Low, Medium, High or Very High
- Scale of the effect: None, Compact, Modest, Ample or Extensive
- Duration of the effect: None, Very Short, Short, Medium or Long
- Magnitude of the effect: None, Very Small, Small, Medium or Large
- Significance of the effect: Nil, Negligible, Minor, Moderate or Major
- Balance of the effect: Adverse, Neutral or Beneficial