One Earth Solar Farm

Volume 6.0 Environmental Statement [EN010159]

Volume 3: Technical Appendices Supporting ES Volume 2

Appendix 18.2: Other Development Long List Stages 1 and 2

August 2025

Document Reference: EN010159/APP/6.21.1

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Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Reg 5 (2) (a)

Appendix 18.2: Other Development Long List Stages 1 and 2.

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
1	19/00765/OUT	Outline Planning Application with Some Matters Reserved (Approval Being Sought for Access) for Residential Development of up to 71 Dwellings (Resubmission of 18/00747/OUT)	8.7km	Approved Nov 2019	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be built within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the Other Development it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate Habitats Regulation Assessment (HRA) screening and assessment process will ensure that impacts are mitigated.	No
2	19/01165/RES	Reserved Matters Application For Approval of Appearance, Landscaping, Layout, and Scale Following Outline P/A 15/00690/OUT For Residential Development of 86 Dwellings	3.86km	Approved Dec 2019	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology > Human Health	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore, no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

[1] Every 'Other development' listed here (excluding ID 72 and 75) is within the Land and Soils (BMV) ZoI (Nottinghamshire County and Lincolnshire County). The assessment of BMV is considered collectively in respect of a county, rather than individually against each Other Development. Details of the Other Developments included in the Cumulative BMV assessment can be found separately in **Volume 3 [EN01059/APP/6.21]: Appendix 18.2: Summary of Other Developments included within the Cumulative Assessment.**

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Socio-Economics			Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts to hydrology and hydrogeology are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Human Health: A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. However, the Other Development would result in a marginal increase in the population of the ZoI which can impact on community identity and demand for health and social care facilities.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									The construction of this Other Development would support local employment opportunities (albeit no large change), and once operational it would deliver a local equipped area of play and public open space which can provide additional areas for physical activity. However, overall it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no substantial changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment Given its residential nature, this Other Development is not expected to generate significant employment during operation but may create additional construction jobs and consequentially may increase demand for accommodation. No specific information on job creation is available for the Other Development. It is not, however, expected to overlap with the construction phase of the Proposed Development; thus, no cumulative effects are expected. Amenity, PRoW and Tourism	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									As stated above, the construction phase of this Other Development is not expected to overlap with the Proposed Development. This Other Development is located 3.9km to the west of the Proposed Development, so no additional cumulative effects on amenity are expected during operation. This is despite the introduction of new residents that would potentially be sensitive to amenity impacts from the Proposed Development if it were it located closer. Cumulative amenity and visual effects, including the impact on public rights of way, are discussed further in the relevant sections, such as Landscape and Visual. This Other Development is not expected to impact any Public Right of Way (PRoW) during either construction or operation. Land Use The potential cumulative effects on land use (e.g. agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
3	20/00298/FUL	Erect Manager's Lodge and Siting of Ten Static Caravans	2.52km	Approved Jun 2020	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology > Human Health > Socio-Economics	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will be put in place to ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	No

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									Human Health: This development would marginally increase the number of people staying in the ZoI. As these are holiday caravans the receptors would be temporary and there is unlikely to be any significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application for the Other Development meaning it is not possible to make a quantitative assessment. However, the Other Development would result in a marginal increase in the population of the ZoI which can impact on community identity and demand for health and social care facilities. The construction of this scheme would support local employment opportunities However, as there are no large changes in employment, overall it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment	

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									Given its small scale, this scheme is not expected to generate significant employment during either construction or operation, and is not expected to have a significant impact on demand for accommodation; thus, no additional cumulative effects are expected. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. It is not thought to involve significant construction works and is located 2.5 km to the west of the Proposed Development, so no additional cumulative effects on amenity are expected but they are discussed further in the relevant sections (e.g. Landscape and Visual).The addition of static caravans may have a small positive effect on tourism and provide additional accommodation to mitigate some demand from the Proposed Development, but no significant cumulative effects are expected given the small scale of the scheme. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	

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ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
4	21/00554/ RES	Reserved Matters Application for the Approval of Appearance, Landscaping, Layout and Scale for Residential Development of 71 Dwellings Following Outline P.A. 19/00765/OUT	9.33km	Approved May 2022	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	No construction overlap. Anticipated operational overlap.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
5	21/01147/ FUL	Installation of a Solar Farm and Battery Storage Facility with Associated Infrastructure	2.43km	Approved Dec 2021	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology > Human Health > Socio-Economics	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

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									A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Human Health: There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the size of the development, there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. There would be an increase in the contribution towards renewable energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the modest size of the scheme (49.9 MW), it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary.	

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									Employment This scheme has the potential to generate additional employment, mainly during construction, but also during operation, including maintenance jobs similar to the Proposed Development, although no specific information on potential job numbers is available. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area, although this scheme is <10% the capacity of the Proposed Development so the magnitude of cumulative effects may be somewhat limited. It may also have some temporary effect on demand for accommodation from construction workers. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. This scheme is located 2.5 km to the south west of the Proposed Development, therefore any cumulative effects on amenity are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. Land Use	

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									The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment' Employment	

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ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to generate additional employment, mainly during construction, but also during operation, including maintenance jobs similar to the Proposed Development, although no specific information on potential job numbers is available. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area, although this scheme is <10% the capacity of the Proposed Development so the magnitude of cumulative effects may be somewhat limited. It may also have some temporary effect on demand for accommodation from construction workers. Amenity, PRoW and Tourism. This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. This scheme is located 2.5 km to the south west of the Proposed Development, therefore any cumulative effects on amenity are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. Land Use. The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	

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6	21/01735/ COU	Full Planning Application for Change of Use From Greyhound Centre Track for the Siting of 16 Lodges for Holiday Use, Construction of a Lake with Centre Island and Associated Landscaping	0.081km	Approved Jun 2022	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourse) > Air Quality (Construction Dust, Construction traffic) > Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Buried Heritage	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Both the Proposed Development and the Other Development fall within the settings of Whimpton Moor Scheduled Monument and Whimpton House (Grade II), therefore further cumulative assessment to be progressed. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	Yes – Cultural Heritage

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						> Landscape and Visual > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and the Other Development during Construction. During consultation with the Archaeological Advisory team to the Local Planning Authority (LPA), it has been noted that the potential for unidentified archaeological remains has been deemed low for the Other Development, and no further archaeological input was required. Considering that: - the Proposed Development would have minor adverse effects which are not significant; and, - no significant effects were expected to arise from the Other Development It is concluded that no significant cumulative effect interaction would be anticipated. Noise: Potential for cumulative construction noise effects on properties adjacent to the A57 if the construction phases of this Other Development and the Proposed Development overlap. There is also for potential cumulative operational effects. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic.	

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									IAQM construction guidance states that with appropriate measures embedded in the Construction Environmental Management Plan (CEMP) (for example specified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. Landscape and Visual: The cumulative scheme is not of the same development typology as the Proposed Development and therefore, significant additional landscape and visual cumulative effects are considered unlikely. Human Health: This development would marginally increase the number of people staying in the ZoI. As these are holiday lodges the receptors would be temporary and there is unlikely to be any significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. However, the scheme would result in a marginal increase in the number of people staying within the ZoI. However, these would be tourists which would be unlikely to impact on demand for health and social care facilities.	

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									The construction and operation of this scheme would support local employment opportunities. However, as there are no large changes in employment, overall it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment This scheme has the potential to generate employment during construction and operation, however this may be at least partially offset by the loss of the current development and associated employment. No specific information on the impacts on employment is available, but overall the net change is expected to be small and therefore the potential cumulative effects with the Proposed Development would be expected to be not significant. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation.	

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									Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. During operation, the nearest residential receptors with the potential to be impacted are over 250m away. The cumulative amenity impacts are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. The addition of static caravans may have a small positive effect on tourism via provision of additional accommodation, but no significant cumulative effects are expected given the small scale of the scheme. The removal of the existing use has the potential to reduce the number of visitors, although the proposed installation of 16 holiday lodges would be expected to generate additional visitors to offset this. Overall, the cumulative impacts on tourism are thought to be neutral and therefore the effects are not significant. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'	

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7	22/00707/FUL	The Construction and Operation of a Solar Photovoltaic (PV) Farm with other Associated Infrastructure Including Sub Stations, Security Cameras, Fencing, Storage Containers, Access Tracks and Landscaping	Within RLB	Approved Jan 2023	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourse, Habitats) > Air Quality (Construction dust, Construction traffic) > Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Buried Heritage	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall within the settings of a number of heritage assets which are assessed in the ES Chapter, therefore cumulative assessment would be required. The Other Development Solar PV Farm would stand within the Order Limits in an area proposed for below ground cabling. As noted in Chapter 10: Cultural Heritage (**ES Volume 2 [EN10159/APP/6.18]**), this area of the Site does not inform the value of any heritage assets, including that of Marnham Hall (Grade II) and Marnham Hall UPG. The committee report for the Other Development noted that "the site benefits from not being situated within or in close proximity to any built heritage constraints". The Conservation Officer's response notes that the scheme would result in a "diminutive or justifiable" degree of harm to the non-designated assets along Hollowgate Lane. Importantly, the Proposed Development does not propose arrays within the southern area of this site which was deemed to be the cause of harm to these assets. Furthermore, there would be no impact to these assets as a result of the Proposed Development.	No

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						> Landscape and Visual > Land and Groundwater > Human Health > Socio-Economics			As such, whilst this would be a cumulative consolidation of solar PV in the area, there would be no additive or synergistic cumulative heritage impacts anticipated due to the existing context of this area being heavily informed by the power infrastructure and the lack of effects to heritage assets identified. Therefore, there is no cumulative impact caused to the setting of these assets. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and 22/00707/FUL during Construction.	

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									The Applicant for the Other Development submitted an archaeological desk-based assessment which concluded that the probability of finding any heritage assets of interest is low with the exception of medieval remains which were concluded to have a medium probability. Considering that: - the Proposed Development would have minor adverse effects which are not significant; - any direct or indirect impact arising from the Other Development would have been assessed by the relevant LPA and a suitable archaeological mitigation implemented through planning conditions; and, - the cumulative effect is not expected to be greater than the predicted effects arising from any individual development, which are to be assessed and mitigated separately It is concluded that no significant cumulative effect interaction would be anticipated. Landscape and Visual: The cumulative scheme contains elements of the same development typologies as the Proposed Development and there is potential for the Proposed Development and the cumulative scheme to be perceived within the same landscape character areas and experienced by the same groups of people. There is potential for significant landscape and visual cumulative effects to arise and further assessment to be undertaken.	

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									Noise: There is the potential for cumulative noise effects during construction if the construction phases of this site and the Proposed Development overlap. In addition, there is potential for cumulative noise effects during operation of this site and the Proposed Development. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic. IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. Human Health: There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment.	

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									There would be an increase in the contribution towards renewable energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the modest size of the scheme (42.75 MW), it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment This scheme (although significantly smaller than the Proposed Development) has the potential to generate additional employment during construction and operation, including maintenance jobs, similar to the Proposed Development. It may, however, result in the loss of some agricultural jobs. There is therefore the potential for significant cumulative effects on employment in the Local Area, although there is insufficient information available about this scheme's job creation to be able to state whether these will be beneficial or adverse. It may therefore also increase temporary demand for accommodation locally from construction workers. Amenity, PRoW and Tourism	

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									This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects, during both construction and operation, are possible, due to this schemes proximity to sensitive receptors in High Marnham to the south, and these are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. This scheme has the potential to negatively impact tourism due to amenity impacts, especially considering the proximity to the caravan park in High Marnham. This scheme is located directly between the Proposed Development and High Marnham Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
8	22/01633/OUT	Outline Application With Some Matters Reserved (Approval Being Sought for Access) For Residential Development, a Local Centre, School, Community Hub, Sports Pitches, Extra Care Facility, Community Park, Landscaping, Supporting Infrastructure and Means of Access	9.92km	Awaiting decision	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Construction overlap (construction period Q1 2025-approximately 2040). Operational overlap (predicted start date 2040)	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
9	EN010133	Cottam - NSIP development comprising four electricity generating stations, with a capacity of up to 600MW, comprising of ground mounted solar arrays, with associated development comprising energy storage, grid connection infrastructure and other infrastructure integral to the construction, operation, and maintenance of the NSIPs.	11.6km	Approved Sept 2024	Tier 1	No	Yes	No construction overlap (construction period Q4 2024-Q4 2026). Operational overlap (predicted start date Q4 2026)	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
10	23/00083/FUL	Demolition of Existing Agricultural Buildings and Construction of 12 no. New Build Dwellings with Associated Highways and Hard and Soft Landscaping	4.56km	Awaiting decision	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	No temporal information available and application not yet determined.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
11	23/00463/FUL	Sixteen Bay Golf Driving Range, Video Room, Ball Wash and Floodlights	10.2km	Approved Mar 2024	Tier 1	No	Yes	Scheme anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
12	EN010131	Gate Burton Energy Park - The Scheme comprises the installation of solar photovoltaic (PV) generating panels and on-site energy storage facilities and grid connection infrastructure. The Scheme would allow for the generation, storage and export of up to 500 (MW) electrical generation capacity.	9.44km	Approved Jul 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Construction overlap (construction period Q1 2025-Q1 2028). Operational overlap (predicted start date Q1 2028).	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
13	23/00656/FUL	Installation of a Solar Farm with an Output of Approximately 45.4MW and Ancillary Works	9.58km	Approved Sept 2023	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
14	23/00801/FUL	Proposed Construction and Operation of An 8 MW Electrolytic Green Hydrogen Production Plant, with Associated Infrastructure Including HGV and Multi Cylinder Pack (MCP) Loading Areas, Vehicle Maintenance Unit, Staff Welfare Facilities and Control Room, 11KV Customer Sub-Station, Boundary Fencing, Internal Access Roads, Landscaping, External Lighting and Works.	Within RLB	Approved Oct 2023	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourse, Habitats)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall within the settings of a number of heritage assets which are assessed in the ES Chapter, therefore cumulative assessment would be required. The Other Developments is situated within the Order Limits and within an area which is defined by the former High Marnham Power Station and remaining substations.	Yes – Landscape and Visual

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Air Quality (Construction Dust, Construction traffic) > Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Buried Heritage > Landscape and Visual > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			The Report expands to state that proposals for renewed industrial renewable use at High Marnham Power Station are considered to *"at least preserve the setting of the surrounding built heritage."* As such, given that the Proposed Development would only propose below ground cabling in the context of these heritage assets and result in no effect. The scheme was found to result in no effect and as such there would be no additive or synergistic cumulative Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and 23/00801/FUL during Construction.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									The Applicant for the Other Development submitted an archaeological desk-based assessment which concluded that the site lies in an area of archaeological potential associated with prehistoric, Roman, medieval and post-medieval activity. It is also noted that the Other Development site lies within the former High Marnham Power Station adjacent to the cooling towers and to the east of the main power station buildings. There has been significant disturbance/truncation in the vicinity of the cooling towers and buildings due to construction and decommissioning activity, however much of the area proposed for the new Hydrogen Production Plant remained as agricultural land during the operational life of the power plant. Considering that: - the Proposed Development would have minor adverse effects which are not significant; - any direct or indirect impact arising from the Other Development would have been assessed by the LPA and a suitable archaeological mitigation implemented through planning conditions; and, - the cumulative effect is not expected to be greater than the predicted effects arising from any individual development, which are to be assessed and mitigated separately It is concluded that no significant cumulative effect interaction would be anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Landscape and Visual: The cumulative scheme contains elements of the same development typologies as the Proposed Development and there is potential for the Proposed Development and the cumulative scheme to be perceived within the same landscape character areas and experienced by the same groups of people. Therefore, significant additional landscape and visual cumulative effects are considered likely. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic. IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. Human Health: There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the modest size of the scheme (8 MW), it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on the site of a former power station, so is not expected to result in the loss of any agricultural land/jobs, thus there may be a significant net increase in jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area, given the positive net change also anticipated as a result of the Proposed Development. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects during operation, are possible, due to this schemes proximity to sensitive receptors in High Marnham to the south, and these are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to negatively impact amenity (as discussed above) and therefore tourism, specifically on visitors to the caravan park in High Marnham. This may be offset somewhat by the increased demand for accommodation during the construction phases of both this scheme and the Proposed Development. The Proposed Development is not expected to have a large impact on this site during operation, given the distance and therefore lack of amenity effects, so any cumulative effects are not expected to be significant. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'. <u>Noise:</u> There is the potential for cumulative noise effects during construction if the construction phases of this site and the Proposed Development overlap. In addition, there may be cumulative noise effects from the operation of the Proposed Development, due to proximity to the operational noise study area.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
15	23/01135/ FUL	Full Planning Application for the Construction and Operation of A Prototype Facility for the Production of Hydrogen from Ammonia, and Associated HGV Loading and Unloading Areas, Staff Welfare Building, Boundary Fencing, Internal Access Roads, External Lighting and Works (EIA Development)	Within RLB	Approved Feb 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourse, Habitats) > Air Quality (Construction dust, Construction traffic) > Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Buried Heritage	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall within the settings of a number of heritage assets which are assessed in the ES Chapter, therefore cumulative assessment would be required. The Other Development is situated within the Order Limits and within an area which is defined by the former High Marnham Power Station and remaining substations. The Report expands to state that proposals for renewed industrial renewable use at High Marnham Power Station are considered to *"at least preserve the setting of the surrounding built heritage."* As such, given that the Proposed Development would only propose below ground cabling in the context of these heritage assets and result in no effect. The scheme was found to result in no effect and as such there would be no additive or synergistic cumulative	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Landscape and Visual > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and 23/01135/FUL during Construction. During consultation with the Archaeological Advisory team to the LPA, it has been noted that the Other Development site overlapped with one of the former cooling towers where the ground impacts will have been significant, and the survival of archaeological remains is highly unlikely. Considering that: - the Proposed Development would have minor adverse effects which are not significant; and, - no significant effects were expected to arise from the Other Development It is concluded that no significant cumulative effect interaction would be anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Landscape and Visual: The cumulative scheme is not of the same development typology as the Proposed Development and therefore, significant additional landscape and visual cumulative effects are considered unlikely. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic. IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. Human Health: There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the modest size of the scheme (200 kg of hydrogen per day), it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on the site of a former power station, so is not expected to result in the loss of any agricultural land/jobs, thus there may be a significant net increase in jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area, given the positive net change also anticipated as a result of the Proposed Development Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects during operation, are possible, due to this schemes proximity to sensitive receptors in High Marnham to the south, and these are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. This scheme has the potential to negatively impact amenity (as discussed above) and therefore tourism, specifically on visitors to the caravan park in High Marnham. This may be offset somewhat by the increased demand for accommodation during the construction phases of both this scheme and the Proposed Development. The Proposed Development is not expected to have a large impact on this site during operation, given the distance and therefore lack of amenity effects, so any cumulative effects are not expected to be significant. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Noise: There is the potential for cumulative noise effects during construction if the construction phases of this site and the Proposed Development overlap. It is unlikely that there may be cumulative noise effects during operation, due to the distance from the nearest extent of the operational noise study area.	
16	23/01302/FUL	Erection of 28 No. Dwellings Together with Access, Open Spaces, Drainage and Service Infrastructure	10.4km	Awaiting decision	Tier 1	No	No	No temporal information available and application not yet determined.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
17	24/00033/FUL	Construction and Operation of Additional Plant for Electrolytic Green Hydrogen Production and Associated Works	Within RLB	Approved April 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourses, Habitats)	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Air Quality (Construction dust, Construction traffic) > Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Buried Heritage > Landscape and Visual > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Cultural Heritage: Would fall within the settings of a number of heritage assets which are assessed in the ES Chapter, therefore cumulative assessment would be required. The Other Development is situated within the Order Limits and within an area which is defined by the former High Marnham Power Station and remaining substations. The Report expands to state that proposals for renewed industrial renewable use at High Marnham Power Station are considered to *"at least preserve the setting of the surrounding built heritage."* As such, given that the Proposed Development would only propose below ground cabling in the context of these heritage assets and result in no effect. The scheme was found to result in no effect and as such there would be no additive or synergistic cumulative Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and 24/00033/FUL during Construction.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									During consultation with the Archaeological Advisory team to the LPA, it has been noted that the Other Development site was already subject of archaeological works in relation to 23/00801/FUL and 23/01135/FUL, and no further archaeological input was required. Considering that: - the Proposed Development would have minor adverse effects which are not significant; and, - any direct or indirect impact arising from the Other Development would have been assessed by the relevant Local Planning Authority and suitable archaeological mitigations implemented through planning conditions in relation to 23/00801/FUL and 23/01135/FUL It is concluded that no significant cumulative effect interaction would be anticipated. <u>Landscape and Visual:</u> The cumulative scheme is not of the same development typology as the Proposed Development and therefore, significant additional landscape and visual cumulative effects are considered unlikely. <u>Air Quality:</u> Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. <u>Human Health:</u> There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the modest size of the scheme (additional 6 MW), it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on the site of a former power station, so is not expected to result in the loss of any agricultural land/jobs, thus there may be a significant net increase in jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area, given the positive net change also anticipated as a result of the Proposed Development. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects during operation, are possible, due to this schemes proximity to sensitive receptors in High Marnham to the south, and these are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. This scheme has the potential to negatively impact amenity (as discussed above) and therefore tourism, specifically on visitors to the caravan park in High Marnham. This may be offset somewhat by the increased demand for accommodation during the construction phases of both this scheme and the Proposed Development. The Proposed Development is not expected to have a large impact on this site during operation, given the distance and therefore lack of amenity effects, so any cumulative effects are not expected to be significant. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Noise: There is the potential for cumulative noise effects during construction if the construction phases of this site and the Proposed Development overlap. It is unlikely that there will be cumulative noise effects during operation, due to the between the nearest extent of the operational noise study area and this site. Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	
18	19/00100/CMM	Proposed extraction of 1.8 million tonnes of sand and gravel together with the erection of mineral processing plant and associated ancillary infrastructure. The provision of a new access, and the progressive restoration of the site to nature conservation over a period of 9 years. To view application, please use following link: https://www.nottinghamshire.gov.uk/planningsearch/plandisp.aspx?AppNo=ES/3953	6.96km	No Objection	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	No temporal information available and application not yet determined.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
19	19/00072/ RMAM	Erection of 60 extra care units with associated communal facilities and infrastructure within Phase 5 of the wider development	8.67km	Approved Mar 2019	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity:- Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
20	19/00981/FUL	The installation of 5 x 4000 litre underground tanks with associated Secondary Regulator Housing Cabinet and amendments to the already approved equipped play area.	3.89km	Approved Sept 2019	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
21	19/01929/CMM	Planning application for an eastern extension to Besthorpe Quarry, (with retention of existing plant site, access and ancilliary facilities) along with restoration to water based nature conservation To view application; www.nottinghamshire.gov.uk/planningsearch/plandisp.aspx?AppNo=Ref ES/4058	7.28km	Decision issued Jan 2021	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land take or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
22	19/02231/CMM	Proposed southern extension to the quarry for the extraction of approximately 550,000 tonnes of sand and gravel, with restoration to nature conservation. THIS APPLICATION IS BEING TWIN TRACKED WITH THE IDENTICAL APPLICATION ES/4082. To view application, please use following link: https://www.nottinghamshire.gov.uk/planningsearch/plandisp.aspx?AppNo=ES/4081	8.13km	Approved June 2020	1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
23	19/02232/CMM	Proposed southern extension to the quarry for the extraction of approximately 550,000 tonnes of sand and gravel, with restoration to nature conservation. THIS APPLICATION IS BEING TWIN TRACKED WITH THE IDENTICAL APPLICATION ES/4081 To view application, please use following link: https://www.nottinghamshire.gov.uk/planningsearch/plandisp.aspx?AppNo=ES/4082	8.2km	Decision issued Jun 2020	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
24	20/00578/CMA	Proposed southern extension to the quarry for the extraction of approximately 550,000 tonnes of sand and gravel, with restoration to nature conservation. To view this application, please follow the link; http://www.nottinghamshire.gov.uk/planningsearch/plandisp.aspx?AppNo=ES/4081	7.95km	Decision issued Apr 2020	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) Hydrology	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
25	21/02478/CMA	Creation of Fish Farming Ponds to involve incidental mineral extraction, processing and export of minerals, forming pre phase of the wider development granted under Appeal Decision ref: 19/00551/FULM. Details of the planning application are available on www.nottinghamshire.gov.uk/planningsearch/plandisp.aspx?AppNo=F/4338	1.99km	Decision issued Sept 2022	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and Notable Species) > Cultural Heritage > Landscape and Visual > Human Health > Socio-Economics	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall on the boundary of the ZOI, however would not fall within settings of identified heritage assets in ES Chapter and therefore no further assessment to be undertaken. Landscape and Visual: The cumulative scheme is not of the same development typology as the Proposed Development and therefore, significant additional landscape and visual cumulative effects are considered unlikely.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Human Health: There would be an increase in the provision of recreational infrastructure, which can contribute to positive public health. Albeit, considering these are different land uses there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. The construction and operation of this scheme would support local employment opportunities. However, as there are no large changes in employment, it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to generate additional employment during construction and operation. There may be a number of existing jobs on site that are lost, given it's current use for mineral extraction, which may offset any potential benefit, however. No specific information is available to quantify the potential impacts on jobs. Given the scale of the scheme, the overall cumulative effects on employment are expected to be not significant. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. However, this scheme is located 2 km to the south east of the Proposed Development, therefore no significant additional cumulative effects on amenity are expected. These are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. Given the distance from the Proposed Development and therefore the anticipated lack of cumulative amenity effects, the fish farm is not expected to have a significant cumulative effect on tourism.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	
26	20/02225/ ELE	Proposed sub station	0.157km	Approved Dec 2020	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourses) > Air Quality (Construction dust, Construction traffic)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall on the boundary of the ZOI, however due to its small scale, it is unlikely to lead to cumulative effects to identified heritage assets and therefore no further assessment to be undertaken. Landscape and Visual: The cumulative scheme contains elements of the same development typologies as the Proposed Development and there is potential for the Proposed Development and the cumulative scheme to be perceived within the same landscape character areas and experienced by the same groups of people. Therefore, significant additional landscape and visual cumulative effects are considered likely.	Yes – Landscape and Visual

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Noise and Vibration (Operational noise, Construction noise) > Cultural Heritage > Landscape and Visual > Hydrology > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic. IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Human Health: There would be an increase in the contribution towards energy infrastructure, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. However, the construction and operation of this scheme would support electricity infrastructure having positive wider societal effects for public health. Considering the modest size of the scheme, it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment Given its small scale, this scheme is not expected to generate significant employment during either construction or operation, and may not have a significant impact on demand for accommodation; thus, no additional cumulative effects are expected. No data are available to quantify the potential impacts on jobs. Amenity, PRoW and Tourism	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme is not expected to impact any PRoW during either construction or operation. This scheme is not expected to not involve significant construction works. It is located approximately 150 m to the east of the Proposed Development site boundary and close to a small number of existing residences, which may experience cumulative visual and noise amenity effects, although it is expected that these may be relatively minor and have been assessed in the relevant technical assessments (e.g. Landscape and Visual, and Noise). Given the lack of tourism related receptors nearby to be impacted, no significant cumulative effects are expected. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Noise: There is the potential for cumulative noise effects during construction if the construction phases of this site and the Proposed Development overlap. In addition, there may be cumulative noise effects from the operation of the Proposed Development, due to the Proposed Development being situated within the operational noise study area. Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	
27	21/01577/ FULM	Installation of a solar farm and battery storage facility with associated infrastructure.	1.36km	Decision issued Dec 2021	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species) > Cultural Heritage > Landscape and Visual > Hydrology	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall within the ZOI, but would not fall within the settings of heritage assets which are assessed in the ES Chapter, therefore cumulative assessment would not be required. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	Yes – Landscape and Visual

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Landscape and Visual: The cumulative scheme contains elements of the same development typologies as the Proposed Development and there is potential for the Proposed Development and the cumulative scheme to be perceived within the same landscape character areas and experienced by the same groups of people. Therefore, significant additional landscape and visual cumulative effects are considered likely.	
28	21/02182/ FULM	Residential development of 29 retirement bungalows with extra care (Use Class C2) with associated garages, parking and landscaping	8.73km	Decision issued Jun 2022	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
29	21/02607/ FULM	Construction of 19 dwellings	9.97km	Decision issued Aug 2022	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
30	22/01790/CMA	Proposed southern extension to the quarry for the extraction of approximately 550,000 tonnes of sand and gravel with restoration to agriculture and nature conservation. For further details and to view this application please see the following link; https://www.nottinghamshire.gov.uk/planningsearch/plandisp.aspx?AppNo=ES/4441	8.43km	Decision issued Sept 2022	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
31	22/01612/ FULM	Creation of Fish Farm Facility from Agricultural Land as a Farm Diversification Business	2.18km	Approved Jan 2023 Pre-construction	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Human Health > Socio-Economics	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Human Health: There would be an increase in the provision of societal infrastructure required for positive public health. Albeit, considering these are different land uses there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. The construction and operation of this scheme would support local employment opportunities. However, as there are no large changes in employment, it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment This scheme has the potential to generate additional employment during construction and operation. There may be a number of existing jobs on site that are lost, given it's current agricultural use, which may offset any potential benefit, however. No specific information is available to quantify the potential impacts on jobs. Given the scale of the scheme, the overall cumulative effects on employment are expected to be not significant. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. However, this scheme is located 2 km to the south east of the Proposed Development, therefore no significant additional cumulative effects on amenity are expected. These are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. The fish farm has the potential to negatively impact amenity and therefore tourism, but given the lack of receptors nearby to be impacted, and the existing industrial nature of the land, no significant cumulative effects are expected. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
32	EN010162	Great North Road Solar and Biodiversity Park	4.84km	Acceptance	Tier 2	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	Construction overlap (construction period Q3 2026-Q3 2028). Operational overlap (predicted start date Q3 2028).	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
33	138861	Application for lawful development certificate for the proposed use class and commencement of works of the 100 extra care dwellings, visitor centre and associated works in planning permission 138295	7.97km	Approved Mar 2019	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
34	138818	Application for approval of reserved matters for residential development of 111no. dwellings, to include associated estate roads and open space, considering appearance, landscaping, layout and scale, following outline permission 131174 allowed on appeal 09 December 2015.	4.02km	Approved Jun 2019	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
35	140171	Planning application to increase the 22 permanent residential units permitted in planning permission 137250 granted 22 September 2011 to 40 permanent residential units.	3.74km	Refused	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Human Health > Socio-Economics	Yes	N/A Other development refused	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Human Health: This development would change the permanent population of the ZoI. However, as this would only represent a marginal increase there is unlikely to be any significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. However, the scheme would result in a marginal increase in the population of the ZoI which can impact on community identity and demand for health and social care facilities. The construction of this scheme would support local employment opportunities (albeit no large change). However, overall it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment Given its small scale, this scheme is not expected to generate significant employment during either construction or operation, and is not expected to have a significant impact on demand for accommodation; thus, no additional cumulative effects are expected. No specific information is available to quantify the potential impacts on jobs. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. This scheme is not expected to not involve significant construction works and is located 3.7 km to the north of the Proposed Development, so no additional cumulative effects on amenity are expected. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
36	140375	Planning application for the demolition of 20no. garages and the construction of 14no. affordable dwellings	6.84km	Approved Mar 2021	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
37	140696	Outline planning application for the material change of use of land, erection of buildings and associated development for employment uses falling within any of use classes B1 Business, B2 General Industrial and B8 Storage and Distribution, with means of access, layout of internal estate roads and drainage attenuation features to be considered. Layout (aside from internal estate roads and drainage attenuation features), appearance, landscaping and scale are reserved for future consideration	5.52km	Approved Jul 2020	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Construction (estimated 2020-2030) and operation.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
38	141141	Application for approval of reserved matters for 39no. dwellings with associated parking & landscaping considering access, appearance, landscaping, layout & scale following hybrid application 133907 granted 24 October 2017.	7.96km	Approved October 2020	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
39	141455	Planning application to erect building for use as Storage and Distribution (B8) with ancillary offices (B1)including details of associated parking, landscaping and external lighting/signage	4.87km	Approved Dec 2023	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
40	141731	Application for approval of reserved matters considering access, appearance, landscaping, layout and scale following outline planning permission 140259 granted 30 December 2019 to erect 5no. dwellings.	3.65km	Approved Nov 2020	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Human Health > Socio-Economics	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Human Health: This development would change the population of the ZoI. However, as this would only represent a marginal increase there is unlikely to be any significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. However, the scheme would result in a marginal increase in the population of the ZoI which can impact on community identity and demand for health and social care facilities. The construction of this scheme would support local employment opportunities (albeit no large change). However, overall it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment Given its small scale, this scheme is not expected to generate significant employment during either construction or operation, and is not expected to not have a significant impact on demand for accommodation; thus, no additional cumulative effects are expected. No specific information is available to quantify the potential impacts on jobs. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. This scheme is not expected to not involve significant construction works and is located 3.7 km to the north of the Proposed Development, so no additional cumulative effects on amenity are expected. The residential nature of the scheme is not expected to cause any significant cumulative effects on tourism. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
41	142225	Planning application for change of use of land from agricultural to siting of up to 12no. touring caravan pitches (4no. hardstanding and 8no. grass pitches), 2no. bell tents, 2no. glamping pods, creation of a permanent natural pond, associated access and parking and retention of building for welfare facilities.	10.7km	Approved Jun 2021	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
42	142592	Planning application for 26no. single storey modular homes for occupation by over 55 year olds, including access arrangements, parking and landscaping.	7.45km	Approved Mar 2022	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Unknown	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
43	145657	Planning application for change of use from Class E (Commercial, Business and Service Use) to Class B8 (Storage or Distribution), together with associated external alterations.	5.51km	Approved Nov 2022	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
44	142207	Outline planning application to expand existing construction company site, with 3 no. /B1/B2/B8 buildings, with all matter reserved.	7.78km	Approved Feb 2021	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
45	146147	PINS consultation on Section 55 on adequacy of consultation request for application for an Order Granting Development Consent - Cottam Solar Project.	5.98km	Issued Sept 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	No construction overlap (construction period Q4 2024-Q4 2026). Operational overlap (predicted start date Q4 2026).	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
46	EN010132	West Burton Solar Project	4.68km	Accepted Jan 2025	Tier 2	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	No construction overlap (construction period Q1 2025-Q4 2026). Operational overlap (predicted start date Q4 2026).	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
47	146527	Consultation - Adequacy of consultation request	4.66km	Awaiting decision	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	N/A	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
48	EN010154	Fosse Green Energy	9.53km	Acceptance	Tier 2	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	Construction overlap (construction period Q4 2026-Q4 2028). Operational overlap (predicted start date Q4 2028).	Biodiversity: Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
49	146954	PINS consultation on behalf of the Secretary of State for its opinion (a scoping Opinion) as to the information to be provided in an Environmental Statement - EN010154	9.02km	Issued Jul 2023	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	N/A	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
50	EN020034	North Humber to High Marnham/ High Marnham Substation	Within RLB	Pre-application	Tier 2	Yes, for the following aspects:	Yes	Construction overlap (construction period Q4 2027-Q4 2029). Operational overlap (predicted start date Q4 2029).	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall within the settings of a number of heritage assets which are assessed in the ES Chapter, therefore cumulative assessment would be required.	Yes – Landscape and Visual and Human Health

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourse, Habitats) > Air Quality (Construction dust, Construction traffic) > Noise and Vibration (Operational noise, Construction noise) > Cultural Heritage > Buried Heritage > Landscape and Visual			The Other Development is situated within the Order Limits and within an area which is defined by the former High Marnham Power Station and remaining substations. The Report expands to state that proposals for renewed industrial renewable use at High Marnham Power Station are considered to *"at least preserve the setting of the surrounding built heritage."* As such, given that the Proposed Development would only propose below ground cabling in the context of these heritage assets and result in no effect. The scheme was found to result in no effect and as such there would be no additive or synergistic cumulative. <u>Hydrology:</u> As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Hydrology > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and EN020034 during Construction. It is expected that any other direct or indirect impact arising from construction activities relating to the Other Development will be assessed by the relevant LPAs, and a suitable programme of archaeological investigation and mitigation will be carried out as part of the Other Development application. Therefore, it is not expected that the cumulative effect be greater than the predicted effects arising from any individual development, which will be assessed and mitigated separately, as the above measures will minimise cumulative effects with the Proposed Development on buried heritage assets Considering that the Proposed Development would have minor adverse effects which are not significant, it is concluded that no significant cumulative effect interaction would be anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Landscape and Visual: The cumulative scheme contains elements of the same development typologies as the Proposed Development and there is potential for the Proposed Development and the cumulative scheme to be perceived within the same landscape character areas and experienced by the same groups of people. Therefore, significant additional landscape and visual cumulative effects are considered likely. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic. IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. Human Health: There would be an increase in the contribution towards energy infrastructure, having positive wider societal effects for public health. Depending on the final location and design, there could be cumulative electro-magnetic field effects if located near to PRoWs or residential properties.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									The Other Development is situated within the Order Limits and within an area which is defined by the former High Marnham Power Station and remaining substations. The Report expands to state that proposals for renewed industrial renewable use at High Marnham Power Station are considered to *"at least preserve the setting of the surrounding built heritage."* As such, given that the Proposed Development would only propose below ground cabling in the context of these heritage assets and result in no effect. The scheme was found to result in no effect and as such there would be no additive or synergistic cumulative. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on the site of a former power station, so is not expected to result in the loss of any agricultural land/jobs, thus there may be a significant net increase in jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area, given the positive net change also anticipated as a result of the Proposed Development. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects during operation, are possible, due to this schemes proximity to sensitive receptors in High Marnham to the south, and these are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to negatively impact amenity (as discussed above) and therefore tourism, specifically on visitors to the caravan park in High Marnham. This may be offset somewhat by the increased demand for accommodation during the construction phases of both this scheme and the Proposed Development. The Proposed Development is not expected to have a large impact on this site during operation, so any cumulative effects are not expected to be significant. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'. Noise: As the construction works in this part of the Proposed Development site are composed only cable installation, it is unlikely that there will be significant cumulative construction noise effects.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
51	147270	PINS consultation on behalf of the Secretary of State for its opinion (a scoping Opinion) as to the information to be provided in an Environmental Statement - EN020034	Within RLB	Issued Aug 2023	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourses, Habitats) > Air Quality (Construction dust, Constriction traffic) > Noise and Vibration (Operational noise, Construction noise) > Cultural Heritage > Buried Heritage	Yes	N/A	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: The cumulative impact of this scheme would be assessed as part of scheme 50, therefore separate assessment would not be required here. The Other Development is situated within the Order Limits and within an area which is defined by the former High Marnham Power Station and remaining substations. The Report expands to state that proposals for renewed industrial renewable use at High Marnham Power Station are considered to *"at least preserve the setting of the surrounding built heritage."* As such, given that the Proposed Development would only propose below ground cabling in the context of these heritage assets and result in no effect. The scheme was found to result in no effect and as such there would be no additive or synergistic cumulative.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Landscape and Visual > Hydrology > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and 147270 during Construction.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									It is expected that any other direct or indirect impact arising from construction activities relating to the Other Development will be assessed by the relevant LPAs, and a suitable programme of archaeological investigation and mitigation will be carried out as part of the Other Development application. Therefore, it is not expected that the cumulative effect be greater than the predicted effects arising from any individual development, which will be assessed and mitigated separately, as the above measures will minimise cumulative effects with the Proposed Development on buried heritage assets Considering that the Proposed Development would have minor adverse effects which are not significant, it is concluded that no significant cumulative effect interaction would be anticipated. Landscape and Visual: The cumulative scheme is not of the same development typology as the Proposed Development and therefore, significant additional landscape and visual cumulative effects are considered unlikely. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. <u>Human Health:</u> There would be an increase in the contribution towards energy infrastructure, having positive wider societal effects for public health. Depending on the final location and design, there could be cumulative electro-magnetic field effects if located near to PRoWs or residential properties. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on the site of a former power station, so is not expected to result in the loss of any agricultural land/jobs, thus there may be a significant net increase in jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area, given the positive net change also anticipated as a result of the Proposed Development. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects during operation, are possible, due to this schemes proximity to sensitive receptors in High Marnham to the south, and these are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to negatively impact amenity (as discussed above) and therefore tourism, specifically on visitors to the caravan park in High Marnham. This may be offset somewhat by the increased demand for accommodation during the construction phases of both this scheme and the Proposed Development. The Proposed Development is not expected to have a large impact on this site during operation, so any cumulative effects are not expected to be significant. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'. Noise: The cumulative impact of this scheme would be assessed as part of scheme 50, therefore separate assessment would not be required here. Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	
52	147577	PINS consultation on behalf of the Secretary of State for its opinion (a scoping Opinion) as to the information to be provided in an Environmental Statement - EN010162	4.57km	No observation/ objections Aug 2023	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	N/A	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	
53	147672	Outline planning application for residential development of up to 100no. dwellings, including new junction to Sykes Lane, estate roads and associated infrastructure with all matters reserved.	3.67km	Awaiting decision	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	No temporal information available and application not yet determined.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
54	20/00117/FUL	Installation and Operation of a Solar Farm Comprising an Array of Ground Mounted Solar PV Panels with Associated Infrastructure Including Housing for Inverters a Substation Compound, Point of Connection Mast, Fencing, Security Cameras, Cabling, Access Tracks and a Temporary Construction Compound.	10.3km	Approved Aug 2020	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
55	24/00717/SCR	Screening Opinion - Proposed Battery Energy Storage Systems (BESS) Substation and Associated Infrastructure and Works	0.21km	Determined Nov 2024 Not EIA Development	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourse)	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall within the settings of a number of heritage assets which are assessed in the ES Chapter, therefore cumulative assessment would be required, albeit noted this only screening opinion at this stage.	Yes – Landscape and Visual

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Air Quality (Construction dust) > Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Landscape and Visual > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			The site of this Other Development is in proximity to the Proposed Development with their boundaries abutting. The Conservation Officer's response to the EIA Screening Opinion notes that the Other Development is located within the "…immediate setting of Skegby, which contains the grade II listed 'Skegby Manor' and the grade II listed Pigeoncote at Skegby Manor." The report notes that "…there is no intervisibility between the proposed site and the heritage assets outlined above", but concern is raised on the site's contribution the settlements rural character. As such, there is the potential for a degree of harm to the setting of these assets. The Proposed Development would be positioned closer to Skegby than the Other Development and, despite the Other Development including a substation of c.13m in height, once completed the Proposed Development is likely to effectively screen much of this Other Development, taking into account the existing lack of visibility between this site and the heritage assets. As such, the effects of the Proposed Development as assessed in **ES Volume 2, Chapter 10 [EN010159/APP/6.10]** of the Environmental Statement would remain and there is unlikely to be additional cumulative effect to Skegby Manor (Grade II) and Pigeoncote at Skegby Manor (Grade II).	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) would ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction would be anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy would be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction would be anticipated. Landscape and Visual: The cumulative scheme contains elements of the same development typologies as the Proposed Development and there is potential for the Proposed Development and the cumulative scheme to be perceived within the same landscape character areas and experienced by the same groups of people. Therefore, significant additional landscape and visual cumulative effects are considered likely. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. <u>Human Health:</u> There would be an increase in the contribution towards energy infrastructure, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. However, the scheme would result in a marginal increase in the population of the ZoI which can impact on community identity and demand for health and social care facilities. The construction of this scheme would support local employment opportunities (albeit no large change). However, overall it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on agricultural land, so may result in the loss of a small number of existing agricultural jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area in the case of a positive net change, given the increase anticipated as a result of the Proposed Development. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects during operation are possible, but are thought unlikely due to the lack of receptors in proximity. These are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. Similarly, this scheme is not located close to any tourist attractions or accommodation, so no cumulative effects are anticipated. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'. <u>Noise:</u> There is the potential for cumulative construction and operational noise effects from this site as it is within the redline boundary, however this project is only at scoping at this stage.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
56	24/00692/SCR	Screening Opinion - Proposed Battery Energy Storage System (BESS) and Associated Plant and Equipment	4.31km	Decided Aug 2024 Determined Not EIA Development	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
57	24/00735/SCR	Screening Opinion - Proposed Battery Energy Storage System (BESS) and Associated Plant and Equipment	1.68km	Decided Aug 2024 Determined Not EIA Development	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species) > Cultural Heritage > Landscape and Visual > Human Health > Socio-Economics	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall within the settings of heritage assets in Dunham which are assessed in the ES Chapter, therefore cumulative assessment would be required, albeit noted this only screening opinion at this stage	Yes – Landscape and Visual

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Landscape and Visual: The cumulative scheme contains elements of the same development typologies as the Proposed Development and there is potential for the Proposed Development and the cumulative scheme to be perceived within the same landscape character areas and experienced by the same groups of people. Therefore, significant additional landscape and visual cumulative effects are considered likely. Human Health: There would be an increase in the contribution towards energy infrastructure, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not yet been submitted meaning it is not possible to make a quantitative assessment, however it is acknowledged that there would be no public access to the site with security fencing and CCTV monitoring. There would be an increase in the contribution towards renewable energy infrastructure, having positive wider societal effects for public health. The construction of this scheme would support local employment opportunities (albeit no large change). However, overall it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Employment This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on agricultural land, so may result in the loss of a small number of existing agricultural jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area in the case of a positive net change, given the increase anticipated as a result of the Proposed Development. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. However, this scheme is located 2 km to the north of the Proposed Development and away from sensitive receptors, therefore no significant additional cumulative effects on amenity are expected. These are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. Similarly, this scheme is not located close to any tourist attractions or accommodation, so no cumulative effects are anticipated. Land Use	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	
58	24/00565/FUL	Erection of 95 Dwellings, Access, Parking, Landscaping and all Associated Infrastructure	8.71km	Pending Decision	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	No temporal information available and application not yet determined.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
59	WL/2024/00283	Application for approval of reserved matters for the erection of 2no. commercial office units with associated access & parking spaces considering appearance, landscaping, layout and scale following outline planning permission 147060 granted 16 October 2023.	5.55km	Decided March 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
60	148024	Local authority consultation on application for Hazardous Substances Consent for the proposed storage of a maximum of 4.9 tonnes of hydrogen	Within RLB	No objection Mar 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourses, Habitats) > Air Quality (Construction dust, Construction traffic) > Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Buried Heritage	Yes	No temporal information available and application not yet determined.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: The cumulative impact of this scheme would be assessed as part of scheme 50, therefore separate assessment would not be required here. The Other Development is situated within the Order Limits and within an area which is defined by the former High Marnham Power Station and remaining substations. The Report expands to state that proposals for renewed industrial renewable use at High Marnham Power Station are considered to *"at least preserve the setting of the surrounding built heritage."* As such, given that the Proposed Development would only propose below ground cabling in the context of these heritage assets and result in no effect. The scheme was found to result in no effect and as such there would be no additive or synergistic cumulative.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Landscape and Visual > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic. IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and 148024 during Construction. It is expected that any other direct or indirect impact arising from construction activities relating to the Other Development will be assessed by the relevant LPAs, and a suitable programme of archaeological investigation and mitigation will be carried out as part of the Other Development application. Therefore, it is not expected that the cumulative effect be greater than the predicted effects arising from any individual development, which will be assessed and mitigated separately, as the above measures will minimise cumulative effects with the Proposed Development on buried heritage assets Considering that the Proposed Development would have minor adverse effects which are not significant, it is concluded that no significant cumulative effect interaction would be anticipated. Landscape and Visual: The cumulative scheme is not of the same development typology as the Proposed Development and therefore, significant additional landscape and visual cumulative effects are considered unlikely.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Human Health: There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. This scheme would result in an increased contribution towards energy infrastructure. Albeit it is not of the same development typology as the Proposed Development and significant cumulative human health effects beyond those assessed for the Proposed Development individually would not be expected. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on the site of a former power station, so is not expected to result in the loss of any agricultural land/jobs, thus there may be a significant net increase in jobs, although no specific information is available to quantify the impacts. There is therefore the potential for beneficial cumulative effects on employment in the Local Area, given the positive net change also anticipated as a result of the Proposed Development, but the magnitude and therefore significance are unknown. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects during operation, are possible, due to this schemes proximity to sensitive receptors in High Marnham to the south, and these are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to negatively impact amenity (as discussed above) and therefore tourism, specifically on visitors to the caravan park in High Marnham. This may be offset somewhat by the increased demand for accommodation during the construction phases of both this scheme and the Proposed Development. The Proposed Development is not expected to have a large impact on this site during operation, so any cumulative effects are not expected to be significant. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'. Noise: There is the potential for cumulative noise effects during construction if the construction phases of this site and the Proposed Development overlap. Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	
61	148023	Local authority consultation on construction and operation of additional plant for electrolytic green hydrogen production and associated works - 24/00033/FUL	Within RLB	No objection Mar 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourses, Habitats)	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: The cumulative impact of this scheme would be assessed as part of scheme 50, therefore separate assessment would not be required here. The Other Development is situated within the Order Limits and within an area which is defined by the former High Marnham Power Station and remaining substations.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Air Quality (Construction dust, Construction traffic) > Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Buried Heritage > Landscape and Visual > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			The Report expands to state that proposals for renewed industrial renewable use at High Marnham Power Station are considered to *"at least preserve the setting of the surrounding built heritage."* As such, given that the Proposed Development would only propose below ground cabling in the context of these heritage assets and result in no effect. The scheme was found to result in no effect and as such there would be no additive or synergistic cumulative. Hydrology: As with the Proposed Development it is assumed that a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated. It is assumed that a site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy will be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This should demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and 148023 during Construction.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									It is expected that any other direct or indirect impact arising from construction activities relating to the Other Development will be assessed by the relevant LPAs, and a suitable programme of archaeological investigation and mitigation will be carried out as part of the Other Development application. Therefore, it is not expected that the cumulative effect be greater than the predicted effects arising from any individual development, which will be assessed and mitigated separately, as the above measures will minimise cumulative effects with the Proposed Development on buried heritage assets Considering that the Proposed Development would have minor adverse effects which are not significant, it is concluded that no significant cumulative effect interaction would be anticipated. Landscape and Visual: The cumulative scheme is not of the same development typology as the Proposed Development and therefore, significant additional landscape and visual cumulative effects are considered unlikely. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. <u>Human Health:</u> There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. As per cumulative project ID 17 above, a Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment. There would be an increase in the contribution towards energy infrastructure and climate change mitigation, having positive wider societal effects for public health. Albeit, considering the modest size of the scheme (additional 6 MW), it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Employment This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on the site of a former power station, so is not expected to result in the loss of any agricultural land/jobs, thus there may be a significant net increase in jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area, given the positive net change also anticipated as a result of the Proposed Development. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects during operation, are possible, due to this schemes proximity to sensitive receptors in High Marnham to the south, and these are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme has the potential to negatively impact amenity (as discussed above) and therefore tourism, specifically on visitors to the caravan park in High Marnham. This may be offset somewhat by the increased demand for accommodation during the construction phases of both this scheme and the Proposed Development. The Proposed Development is not expected to have a large impact on this site during operation, so any cumulative effects are not expected to be significant. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'. <u>Noise:</u> There is the potential for cumulative noise effects during construction if the construction phases of this site and the Proposed Development overlap. In addition, there may be cumulative noise effects from the operational stage of the Proposed Development.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
62	24/01336/CMA	Upgrade of an existing junction between Ladywood Lane and Great North Road (B1164). For further details of this application, please follow this link; http://www.nottinghamshire.gov.uk/planningsearch/plandisp.aspx?AppNo=F/4661	2.45km	No Objection Aug 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites) > Hydrology	Yes	No temporal information available and application not yet determined.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy is be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
63	EN010142	Tillbridge - Generating station with an anticipated capacity in excess of 50MW, comprising ground mounted solar arrays, with associated development comprising energy storage, grid connection infrastructure and other associated development for the construction, operation, maintenance and decommissioning of the solar farm.	16.3km	Decision sent to Secretary of State	Tier 2	No	Yes	Construction overlap (construction period Q4 2025-Q4 2027). Operational overlap (predicted start date Q1 2028).	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
64	EN010163	Steeple Renewables Project - Proposed development of a Solar Farm located in Nottinghamshire comprising up to 400MW of solar energy generation and a 200MW Battery Energy Storage System (BESS).	10.5km	Pre-examination	Tier 2	No	Yes	Construction overlap (construction period Q4 2026-Q2 2027). Operational overlap (predicted start date Q1 2029).	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
65	EN010149	Springwell West Solar Farm - Springwell West Solar Farm is a proposed new solar farm with battery storage and supporting grid connection infrastructure in North Kesteven, Lincs.	25.6km	Examination	Tier 2	No	Yes	Construction overlap (construction period Q1 2027-Q4 2030). Operational overlap (anticipated start date 2030).	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
66	V/4386	Variation of the trigger date of conditions 67 and 68 to 31 December 2024 to afford sufficient time for additional surveys, to secure all necessary approvals under non-planning regimes and implementation works to take place prior to extraction recommencing	10.1km	Issued Apr 2022	Tier 1	No	Yes	No temporal information available and application not yet determined.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
67	WL/2024/00662	Planning application for the installation and operation of a Battery Energy Storage System (BESS) with ancillary infrastructure and landscaping and biodiversity enhancements.	8.83km	Refused Feb 2022	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	No overlap, application refused.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
68	WL/2024/00395	Planning application for the development of a ground mounted solar PV array (up to 35MWac), supporting energy infrastructure (including battery storage) and associated site works comprising maintenance tracks, fencing, security measures and on-site cabling	5.84km	Pending	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	No temporal information available and application not yet determined.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
69	WL/2024/00123	Planning application for extension to existing water treatment works including the installation a new vehicle access, the erection of a nitrate buildings, salt and brine tanks and other associated infrastructure including connecting pipework, landscaping and fencing.	0.043km	Approved May 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourses, Habitats)	Yes	No construction overlap (construction period Q2 2024-Q4 2025). Operational overlap (predicted start date Q4 2025).	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Cultural Heritage: Would fall within the setting of the Roman Fort SM and therefore would need cumulative assessment, albeit note no adverse effects identified.	Yes – Cultural Heritage

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Air Quality (Construction Dust, Construction traffic) > Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Buried Heritage > Landscape and Visual > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy is be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and WL/2024/00123 during Construction. During consultation with the Archaeological Advisory team to the LPA it has been noted that the Other Development site is in a field which has previously had archaeological evaluation by trial trenching carried out on it. The results indicated low archaeological potential. Therefore, no further archaeological input was required. Considering that: - the Proposed Development would have minor adverse effects which are not significant; and, - no significant effects were expected to arise from the Other Development It is concluded that no significant cumulative effect interaction would be anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Landscape and Visual: The cumulative scheme is not of the same development typology as the Proposed Development and therefore, significant additional landscape and visual cumulative effects are considered unlikely. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic. IAQM construction guidance states that with appropriate measures embedded in the CEMP (as identified by the construction dust risk assessment) there will be no significant effects. The Proposed Development will already implement the highest level of measures, therefore any potential cumulative effects will also be not significant. Human Health: There would be an increase in the provision of societal infrastructure required for positive public health. Albeit, considering these are different land uses there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not been submitted with the planning application meaning it is not possible to make a quantitative assessment.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									There would be an increase in the contribution towards drinking water infrastructure, having positive wider societal effects for public health. Albeit, considering the modest size of the scheme, it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment Given its small scale, this scheme is not expected to generate significant employment during either construction or operation, and is not expected to have a significant impact on demand for accommodation; thus, no additional cumulative effects are expected. No specific information is available to quantify the potential impacts on jobs. Amenity, PRoW and Tourism	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									This scheme is not expected to impact any existing PRoW. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible and are addressed further in the relevant topic sections: Landscape and Visual, Air Quality and Noise. Given the small scale of the works and lack of receptors (e.g. accommodation) nearby to be impacted, no significant cumulative effects are expected. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'. <u>Noise:</u> There is the potential for cumulative noise effects during construction if the construction phases of this site and the Proposed Development overlap. In addition, there may be cumulative noise effects from the operational stage of the Proposed Development.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
70	EN010151	Beacon Fen Energy Park - A 400MW solar photovoltaic farm incorporating up to 600MVA Battery Energy Storage System and on-site substation and electrical connection, including solar PV panels up to 4.5m in height; single stacked BESS units up to 4.5m in height; security perimeter fencing; hedgerow improvements; ecological enhancements; above and/or below ground electrical cable connection at up to 400kV; associated development and ancillary works.	38.1km	Pre-examination	Tier 1	No	Yes	Construction overlap (construction period 2027 up to 2031). Operational overlap (predicted start date between 2028 and 3031).	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
71	EN010123	Heckington Fen Solar Park - The Proposed Development will comprise the construction, operation and decommissioning of a solar photovoltaic (PV) electricity generating facility exceeding 50 megawatt (MW) output capacity, together with associated energy storage. The installed capacity of the solar generation is expected to be in the order of 500MW.	43.8km	Post decision Approved Jan 2025	Tier 1	No	Yes	Construction overlap (construction period Q2 2025-Q4 2027). Operational overlap (predicted start date Q4 2027).	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
72	EN010127	Mallard Pass Solar Project - Solar photovoltaic array and electrical storage and connection infrastructure, with a generation capacity of greater than 50 MW.	62.2km	Post decision Approved Jul 2024	Tier 1	No	Yes	Construction overlap (construction period Q3 2026-Q3 2027). Operational overlap (predicted start date Q3 2027).	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
73	EN010126	Temple Oaks Renewable Energy Park - 250MW Solar Farm, accompanied by 400MWh Battery Energy Storage System	45.5km	Withdrawn	Tier 1	No	Yes	N/A Withdrawn	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
74	19/0863/FUL	Proposed solar farm (32MW) and associated development including substation, inverter cabins, switchgear/communications buildings and access track	37.4km	Approved Oct 2019	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
75	24/1265/FUL	Erection of 99MW Battery Energy Storage System (BESS) and associated infrastructure	11.3km	Approved Mar 2025	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
76	EN010101	Little Crow Solar Park	36.7km	Post decision Approved April 2024	Tier 2	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
77	EN010116	North Lincolnshire Green Energy Park	40.5km	Post decision Approved Mar 2025	Tier 2	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
78	EN011000 8	Theddlethorpe Flexible Generation Project	64.2km	Pre-applicatio n	Tier 2	No	Yes	No temporal information available and application not yet determined.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
79	19/01165/ FULM	Installation and operation of a solar farm, 132kV electrical substation and associated infrastructure	19.2km	Issued Sept 2019	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
80	19/01408/FULM	Installation and operation of a solar farm, 132kV electrical substation and associated infrastructure	21.0km	Approved Nov 2019	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
81	24/01240/SCR	Screening Request - Battery Energy Storage System (BESS) - Regulation 6 of the Town and Country Planning (Environmental Impact Assessment) Regulations 2017	1.0km	Screened Nov 2024 Not EIA Development	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species) > Hydrology > Cultural Heritage > Landscape and Visual > Human Health	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, potential construction overlap and anticipated operational overlap.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction. Cultural Heritage: Would fall within the settings of heritage assets in Dunham which are assessed in the ES Chapter, therefore cumulative assessment would be required, albeit noted this only screening opinion at this stage	Yes – Landscape and Visual

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Socio-Economics			Landscape and Visual: The cumulative scheme contains elements of the same development typologies as the Proposed Development and there is potential for the Proposed Development and the cumulative scheme to be perceived within the same landscape character areas and experienced by the same groups of people. Therefore, significant additional landscape and visual cumulative effects are considered likely. A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy is to be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Human Health: There would be an increase in the contribution towards energy infrastructure, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not yet been submitted meaning it is not possible to make a quantitative assessment, however it is acknowledged that there would be no public access to the site with security fencing and CCTV monitoring.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									There would be an increase in the contribution towards renewable energy infrastructure, having positive wider societal effects for public health. The construction of this scheme would support local employment opportunities (albeit no large change). However, overall it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually. Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on agricultural land, so may result in the loss of a small number of existing agricultural jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area in the case of a positive net change, given the increase anticipated as a result of the Proposed Development. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation. Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. However, this scheme is located 1 km to the north of the Proposed Development and away from sensitive receptors, therefore no significant additional cumulative effects on amenity are expected. These are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. Similarly, this scheme is not located close to any tourist attractions or accommodation, so no cumulative effects are anticipated. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
82	24/01239/SCR	Screening Request - Battery Energy Storage System (BESS) - Regulation 6 of the Town and Country Planning (Environmental Impact Assessment) Regulations 2017	4.2km	Decided Nov 2024 Not EIA Development	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, potential construction overlap and anticipated operational overlap.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
83	24/01138/FUL	Battery Energy Storage System, Substation, Associated Infrastructure and Works	Within RLB	Approved Jun 2025	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites, Statutory Designated Sites, Legally Protected and notable Species, Priority Habitats and Veteran Trees, Waterbodies and Watercourse) > Air Quality (Construction Dust, Construction traffic)	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, potential construction overlap and anticipated operational overlap.	Biodiversity: The proposed Construction and Environmental Management Plan (CEMP) provides the necessary measures to ensure that short term effects during construction (such as disturbance) can be appropriately managed. There would be no cumulative effect during operation as habitats within the Proposed Development would be significantly better than at present. Hydrology: As with the Proposed Development a site-specific Construction Environmental Management Plan (CEMP) will ensure that potential impacts on flood risk, water quantity and quality are managed and minimised as far as practicable. As such no significant cumulative effect interaction is anticipated during construction.	Yes – Landscape and Visual

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
						> Noise and Vibration (Operational noise, Construction noise) > Hydrology > Cultural Heritage > Buried Heritage > Landscape and Visual > Land and Soils (Land, soil and groundwater) > Human Health > Socio-Economics			Cultural Heritage: Would fall within the settings of a number of heritage assets which are assessed in the ES Chapter, therefore cumulative assessment would be required. The site of this Other Development is in proximity to the Proposed Development with their boundaries abutting. The Conservation Officer's response to the EIA Screening Opinion notes that the Other Development is located within the "…immediate setting of Skegby, which contains the grade II listed 'Skegby Manor' and the grade II listed Pigeoncote at Skegby Manor." The report notes that "…there is no intervisibility between the proposed site and the heritage assets outlined above", but concern is raised on the site's contribution the settlements rural character. As such, there is the potential for a degree of harm to the setting of these assets. The Proposed Development would be positioned closer to Skegby than the Other Development and, despite the Other Development including a substation of c.13m in height, once completed the Proposed Development is likely to effectively screen much of this Other Development, taking into account the existing lack of visibility between this site and the heritage assets. As such, the effects of the Proposed Development as assessed in **ES Volume 2, Chapter 10 [EN010159/APP/6.10]** of the Environmental Statement would remain and there is unlikely to be additional cumulative effect to Skegby Manor (Grade II) and Pigeoncote at Skegby Manor (Grade II).	

'Other development' details				Stage 1				Stage 2		
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									Socio-economics: No significant cumulative effects likely as no large changes in agricultural employment and potential effects (including others, such as amenity) are highly localised to within the Site boundary. Employment This scheme has the potential to generate additional employment during construction and operation, of a range of technical specialisms. It will be built on agricultural land, so may result in the loss of a small number of existing agricultural jobs, although no specific information is available to quantify the impacts. There is therefore the potential for significant beneficial cumulative effects on employment in the Local Area in the case of a positive net change, given the increase anticipated as a result of the Proposed Development. Based on the anticipated effects on employment, the scheme may also increase demand for accommodation locally during the construction phase. Amenity, PRoW and Tourism This scheme is not expected to impact any PRoW during either construction or operation.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Construction works may overlap with those of the Proposed Development, so additional cumulative effects on amenity are possible. Other potential cumulative amenity effects during operation are possible, but are thought unlikely due to the lack of receptors in proximity. These are addressed further in the relevant sections: Landscape and Visual, Air Quality and Noise. Similarly, this scheme is not located close to any tourist attractions or accommodation, so no cumulative effects are anticipated. Land Use The potential cumulative effects on land use (including agricultural land supply) are considered in the Land and Soils assessment. Resultant effects on jobs are discussed above, under 'Employment'. Air Quality: Any cumulative effects of dust emissions during construction will be mitigated to ensure they are not significant by measures set out in the CEMP. Cumulative traffic impacts are accounted for in the future baseline, therefore no additional significant cumulative effects expected from construction traffic.	

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									A site-specific Flood Risk Assessment (FRA) along with supporting Surface Water Drainage Strategy is to be required and agreed with the Environment Agency (EA) and Lead Local Flood Authority (LLFA). This will demonstrate no increase to flood risk or impact on water quality as a result of the proposals. As such no significant cumulative effect interaction is anticipated. Buried Heritage: Potential for direct effect on buried heritage assets arising from both the Proposed Development and 148023 during Construction. It is expected that any other direct or indirect impact arising from construction activities relating to the Other Development will be assessed by the relevant LPAs, and a suitable programme of archaeological investigation and mitigation will be carried out as part of the Other Development application. Therefore, it is not expected that the cumulative effect be greater than the predicted effects arising from any individual development, which will be assessed and mitigated separately, as the above measures will minimise cumulative effects with the Proposed Development on buried heritage assets Considering that the Proposed Development would have minor adverse effects which are not significant, it is concluded that no significant cumulative effect interaction would be anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Landscape and Visual: The cumulative scheme contains elements of the same development typologies as the Proposed Development and there is potential for the Proposed Development and the cumulative scheme to be perceived within the same landscape character areas and experienced by the same groups of people. Therefore, significant additional landscape and visual cumulative effects are considered likely. Human Health: There would be an increase in the contribution towards energy infrastructure, having positive wider societal effects for public health. Albeit, considering the size of the development there is unlikely to be a significant cumulative effect. A Health Impact Assessment has not yet been submitted meaning it is not possible to make a quantitative assessment, however it is acknowledged that there would be no public access to the site with security fencing and CCTV monitoring. There would be an increase in the contribution towards renewable energy infrastructure, having positive wider societal effects for public health. The construction of this scheme would support local employment opportunities (albeit no large change). However, overall it is not expected that there would be any significant cumulative human health effects beyond those assessed for the Proposed Development individually.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
									Land and Groundwater: There is potential for construction related accidental spills to have a temporary combined effect on groundwater receptors. However, it is assumed that the Other Development will be subject to the respective mitigation plans agreed with the relevant authorities, and that adverse effects on groundwater receptors would be mitigated and not be significant. In view of this, the probabilities of significant inter-project cumulative effects occurring on groundwater is anticipated to be low. The potential for sediment and pollutants to be transferred off-site from the Proposed Development will be managed by the CEMP, OEMP and DEMP, meaning there is limited potential for the Proposed Development to contribute to a cumulative effect on groundwater quality. On the basis that the requirements of relevant policy and legislation concerning land contamination and remediation will be integral to the design of the Proposed Development, and appropriate mitigation measures will be applied as appropriate, it is considered that no interaction of impact on land would be expected between the Proposed Development and Other Development. Therefore, no inter-project cumulative significant effects on land are anticipated.	

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
84	B/21/0443	Proposed construction and operation of a solar photovoltaic farm, battery storage and associated infrastructure, including inverters, batteries, substation compound, security cameras, fencing, access tracks and landscaping.	46.8km	Approved Feb 2022	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
85	S21/1018	Installation and operation of a Solar Farm together with all associated works, equipment and necessary infrastructure	30.5km	Approved Nov 2021	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
86	S24/2100	Installation of solar farm, comprising ground mounted solar photovoltaic panels, including mounting systems, inverters and transformers, stock proof fencing, CCTV internal access tracks and associated infrastructure and landscaping for a temporary period of 40 years	55.5km	Approved Mar 2025	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
87	S24/1930	Intention to build a solar generating station and energy storage project	n/a	Decided Nov 2024	Tier 3	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
88	S24/1829	Construction, operation (including maintenance), and decommissioning of a ground-mounted solar photovoltaic (PV) generating station with battery storage, onsite substation and associated infrastructure to generate in excess of 50MW of electricity, as well as areas of landscaping and biodiversity enhancement	n/a	No objection	Tier 3	No	Yes	No temporal information available and application not yet determined.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
89	22/00809/FUL	The construction, operation and decommissioning of a solar photovoltaic (PV) farm and associated infrastructure, including inverters, substation compound, security cameras, fencing, access tracks and landscaping	50.1km	Approved Dec 2022	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
90	22/00303/FUL	Construction of a solar farm and battery stations together with all associated works, equipment and necessary infrastructure, together with the formation of a new vehicular access onto Bunny Hill (A60)	35.0km	Approved Feb 2023	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
91	23/01285/FUL	Proposed Battery Energy Storage Facility	48.1km	Appeal allowed Feb 2025	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
92	23/02250/FUL	Installation and operation of a renewable energy generating station comprising ground-mounted photovoltaic solar arrays and battery-based electricity storage station together with a switchgear container, inverters, site access, internal access tracks, security measures, access gates, other ancillary infrastructure and landscaping and biodiversity enhancements	18.9km	Approved Aug 2024	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, potential construction overlap and anticipated operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
93	24/00537/FUL	An energy storage facility, together with associated equipment, infrastructure and ancillary works	45.4km	Awaiting decision	Tier 1	No	Yes	No temporal information available and application not yet determined.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
94	142117	Planning application for construction and operation of a solar photovoltaic farm, including fencing, internal service tracks, inverters, transformer stations, cabling, CCTV, landscaping, substations and ancillary cabins	18.9km	Approved May 2021	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
95	WL/2024/00415	Planning application for development of a ground mounted solar farm, together with supporting infrastructure, cable route, access, landscaping and associated works	21.4km	Awaiting decision	Tier 1	No	Yes	No temporal information available and application not yet determined.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
96	24/00468/EIA	Request for Screening Opinion under Town and Country Planning (Environmental Impact Assessment) Regulations 2017, Regulation 6. Construct Solar Photovoltaic (PV) Solar Farm between Junction 25 and 26, Trowell	40.4km	Screening	Tier 1	No	Yes	No temporal information available and application not yet determined.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
97	DM/1156/23/FUL	Proposed construction, operation and decommissioning of a solar photovoltaic farm, a Battery Energy Storage System (BESS) facility, associated connection including a POC mast and substation, temporary construction compound, perimeter fencing, landscaping and associated infrastructure (sHRA for the attention of Natural England dated 8/3/2024)	49.2km	Approved Apr 2024	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, potential construction overlap and anticipated operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
98	DM/0108/24/FUL	Construction and operation of a solar farm (up to 49.9mw) and 30mw battery energy storage system (BESS) with associated works, equipment, infrastructure and landscaping - amended site layout plan Feb 2025	51.9km	Approved May 2025	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, potential construction overlap and anticipated operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
99	DM/0932/24/SCR	Request for EIA screening opinion for the proposed development of land at Kiln Lane, Stallingborough for the external storage and distribution of goods and products associated with port related import / export activities, together with landscaping, infrastructure, ground mounted solar photovoltaics and other associated works	52.6km	Determined Jan 2025 Not EIA Development	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
100	DM/0898/24/SCR	EIA screening opinion to construct and operate a renewable energy facility, Grange Energy Park, comprising of solar energy generation (PV), battery energy storage (BESS) and a high voltage substation (HVSS) on land near Stallingborough	47.9km	Determined Mar 2025 Not EIA Development	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, potential construction overlap and anticipated operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
101	DM/0484/24/FUL	Proposed 80 mega watt capacity battery storage facility with associated plant and machinery, boundary treatments, hardstanding, CCTV and lighting, and various associated works	53.6km	Approved May 2025	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, expected construction and operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
102	S/152/01297/22	Planning Permission - Installation of a ground mounted solar photovoltaic (PV) farm with battery storage; along with continued agricultural use, ancillary infrastructure and security fencing, CCTV, landscaping, bunding, ecological enhancements and associated works. Construction of a vehicular access	54.6km	Approved Dec 2022	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
103	2022/0549	Installation of battery energy storage unit, transformer, blockwork walls (3.3m) and mesh fencing (2.3m	33.5km	Approved Aug 2022	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
104	2023/0489	Installation of Battery Energy Storage Unit at constructed back-up electricity generation facility	33.5km	Approved Sep 2023	Tier 1	No	Yes	Other development anticipated to be constructed within 3 years of approval. Therefore no anticipated construction overlap but operational overlap expected.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
105	2024/0269	Proposed Battery Energy Storage System (BESS) and associated infrastructure	30.2km	Approved Mar 2025	Tier 1	No	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, potential construction overlap and anticipated operational overlap.	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No
106	22/01983/FULM	Construction of Solar farm with associated works, equipment and necessary infrastructure.	8.9km	Awaiting decision	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	No temporal information available and application not yet determined.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
107	23/01713/FUL	Conversion of existing barns to form 3 dwellings and 1 commercial unit (Use Class E(c) and E(g(i))), refurbishment of existing farmhouse and erection of 3 new dwellings, with associated internal access, parking and landscaping.	10.0km	Approved Sept 2024	Tier 1	Yes, for the following aspects: > Biodiversity (International/ European Sites)	Yes	Other Development anticipated to be constructed within 3 years of approval. Therefore, potential construction overlap and anticipated operational overlap.	Any cumulative effect interaction would relate to land lake or disturbance. Given the distance of both the Proposed Development and the 'other development' it is unlikely land take would indirectly affect those species utilising the nearest European Sites, i.e. there would be no pathway for an impact. Should the proposals be within the ZoI for the International Site, the appropriate HRA screening and assessment process will ensure that impacts are mitigated.	No
108	EN0110016	Leoda Solar Farm Limited. Ground-mounted solar electricity generating station with a targeted gross output of 500 to 600 Megawatts (MW) and associated grid connection infrastructure.	19.9km	Pre-application	Tier 2	No	No	No construction overlap (construction period anticipated 2028-2030). Operational overlap (predicted start date 2030).	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

'Other development' details				Stage 1				Stage 2		
ID	Application Ref	Application for 'other development' and brief description	Distance from Proposed Development	Status	Tier	Within ZoI?[1]	Progress to Stage 2?	**Overlap in temporal scope**	**Scale and nature of development likely to have a significant effect?**	**Progress to Stage 3/4**
109	EN010169	Meridian Solar Farm will comprise the construction, operation, maintenance and decommissioning of a solar photovoltaic (PV) and electrical battery storage generating facility with a generation capacity of up to 750MW. This will include the associated development and infrastructure required to facilitate a connection to the National Grid.	73.5km	Pre-application	Tier 2	No	No	No construction (construction period 2 years between 2028 and 2033). Operational overlap (predicted start date 2033).	Scheme too far to have the potential to result in cumulative effects and therefore discounted.	No

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