



One Earth Solar Farm

Preliminary Environmental Information Report [EN010159]

Chapter 20: Conclusions of Preliminary Significance

May 2024

One Earth Solar Farm Ltd

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20. Conclusions of Preliminary Significance

- 20.1. The conclusion of likely significant effects as set out in our preliminary assessments can be seen in the respective technical Chapters outlined in **Chapters 7 to 18**. It should be noted that the design of our Project is currently being developed and the process of gathering information and identifying how the environment might be affected by our Project is still continuing. The information will therefore continue to evolve and will be reported on fully in the Environmental Statement (ES) that will be submitted with the forthcoming development consent order (DCO) application.
- 20.2. Taking into account the environmental measures which are included within our Project, as detailed in **Chapters 7 to 18**, almost all aspects are considered to have no preliminary likely significant effects either during construction, decommissioning or during the operational phases. The exceptions to this are Cultural Heritage (see **Chapter 11**); Landscape and Visual Impacts (see **Chapter 12**); Carbon and Climate Change (see **Chapter 15**); Health (see **Chapter 17**); and Socio-Economic (see **Chapter 18**) where significant effects are noted. The details of the significant effects are detailed in **Table 20-1**.

Table 20-1: Summary of Preliminary Likely Significant Effects

Technical Topic	Phase	Description of Effect	Preliminary Likely Significant Effects	Next Steps
Cultural Heritage	Construction and Decommissioning	Visual and experiential effects of construction activity on the heritage value of designated assets within 1km	Likely significant adverse effects (temporary).	Detailed assessment, subject to further analysis and design work. This will be reported within the ES.
Cultural Heritage	Operation	Potential impact on key element of setting which contributes to the value of designated assets within 1km	Likely significant adverse effects.	Detailed assessment, subject to further analysis and design work. This will be reported within the ES.
Landscape and Visual Impacts	Construction	Changes and alteration to landform and vegetation cover. Activity of a greater scale than general farming. Out of the 17 village character areas, a high magnitude of impact to nine character areas: PZ01: North Clifton Village Farmlands; PZ02: Wigsley Village Farmlands with Plantations; TW17: Besthorpe River Meadowlands; PZ20: Dunham on Trent Village Farmlands; PZ09: East Drayton; PZ12: Normanton on Trent; Fledborough; Skegby; and North Clifton.	Likely significant adverse effects (temporary).	Detailed assessment, subject to further analysis, additional fieldwork and design work. This will be reported within the ES.

Landscape and Visual Impacts	Construction	Out of 56 worst-case viewpoints considered, introduction of construction activity into views to the following 24 locations: Residents of Ragnall; Residents of east; Fledborough; Residents of central Fledborough; Residents of west Fledborough; Residents of Skegby; Residents of North Clifton; Residents within the eastern part of our Site, such as Moor Farm (northern); Residents on the southern edge of our Site, such as Moor Farm (southern); Residents of Wells Farm; Residents of America Farm; People walking on PRow within the western edge of our Site, west of Main Street; People walking on PRow within the western part of our Site, east of Main Street; People walking on PRow within the western edge of our Site, west of Main Street; People walking on PRow within the western part of our Site, east of Main Street;	Likely significant adverse effects (temporary).	Detailed assessment, subject to further analysis, additional fieldwork and design work. This will be reported within the ES.
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People walking on PRow within the eastern side of our Site, west of A1133; People walking on PRow within the eastern side of our Site, east of A1133; People walking on the Trent Valley Way; People walking/cycling over on Sustrans route over Fledborough Viaduct; People walking on PRow north west of our Site; People walking on Birkland Lane; People walking on PRow west of our Site; People travelling on A57; People travelling on A1133 ; People travelling on Main Street.

Landscape and Visual Impacts	Operation	Year 1 of operation (taking account of sapling planting). Changes and alteration to landform and vegetation cover. Out of the 17 village character areas, a high magnitude of impact on the landscape on the following five character areas: North Clifton Village Farmlands; Wigsley Village Farmlands with Plantations; Dunham on Trent Village	Likely significant adverse effects.	Detailed assessment, subject to further analysis, additional fieldwork and design work. This will be reported within the ES.
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Farmlands; East Drayton;
Normanton on Trent

Landscape and Visual Impacts	Operation	Year 1 on operation (taking account of sapling planting). Introduction of solar PV panel which would result in a particular change to the views. Out of the 56 worst-case viewpoints considered, changes to the following 17 receptors: Residents north of Ragnall; Residents of Ragnall; Residents of east Fledborough; Residents of central Fledborough; Residents of west Fledborough; Residents of Skegby; Residents within the eastern part of our Site, such as Moor Farm (northern); Residents on the southern edge of our Site, such as Moor Farm (southern); Residents of Wells Farm; Residents of America Farm; People walking on PRow within the western edge of our Site, west of Main Street; People walking on PRow within the western part of our Site, east of Main Street; People walking on PRow within the eastern side of our Site, west of A1133; People walking on PRow within the	Likely significant adverse effects.	Detailed assessment, subject to further analysis, additional fieldwork and design work. This will be reported within the ES.
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		<p>eastern side of our Site, east of A1133; People walking on the Trent Valley Way; People walking/cycling over on Sustrans route over Fledborough Viaduct; People walking on PRow west of our Site</p>		
Landscape and Visual Impacts	Operation	<p>Year 15 on operation (taking account of the maturity of planting). Continued change in land use but improved vegetation cover and integration of our Project for the following two character areas out of 17: Besthorpe River Meadowlands and Dunham on Trent Village Farmlands.</p>	Likely significant adverse effects.	Detailed assessment, subject to further analysis, additional fieldwork and design work. This will be reported within the ES.
Landscape and Visual Impacts	Operation	<p>Year 15 on operation (taking account of the maturity of planting). Introduction of solar PV panel which would result in a change to the following four viewpoints out of the 56 worst-case viewpoints considered: Residents of Ragnall; Residents of Wells Farm; People walking on PRow within the western edge of our</p>	Likely significant adverse effects.	Detailed assessment, subject to further analysis, additional fieldwork and design work. This will be reported within the ES.

		Site, west of Main Street; People walking on PRow west of our Site		
Landscape and Visual Impacts	Decommissioning	Changes and alteration to landform and vegetation cover. Resulting in a high magnitude of impact to the landscape on the following 7 character areas from the 17 considered: North Clifton Village Farmlands; Wigsley Village Farmlands with Plantations; Besthorpe River Meadowlands; Dunham on Trent Village Farmlands; East Drayton; Normanton on Trent; North Clifton	Likely significant adverse effects.	Detailed assessment, subject to further analysis, additional fieldwork and design work. This will be reported within the ES.
Landscape and Visual Impacts	Decommissioning	Decommissioning activity into partial views to the following 19 locations from the 56 considered: Residents north of Ragnall; Residents of Ragnall; Residents of east Fledborough; Residents of central Fledborough; Residents of west Fledborough; Residents of Skegby; Residents within the eastern part of our Site, such as Moor Farm (northern); Residents on the southern edge of our Site, such as Moor	Likely significant adverse effects.	Detailed assessment, subject to further analysis, additional fieldwork and design work. This will be reported within the ES.

		<p>Farm (southern); People walking on PRow within the western edge of our Site, west of Main Street; People walking on PRow within the western part of our Site, east of Main Street; People walking on PRow within the eastern side of our Site, west of A1133; People walking on PRow within the eastern side of our Site, east of A1133; People walking on the Trent Valley Way; People walking/cycling over on Sustrans route over Fledborough Viaduct; People walking on PRow north west of our Site; People walking on Birkland Lane; People travelling on A57; People travelling on A1133; People travelling on Main Street</p>		
Carbon and Climate Change	Operation	Generation of zero-carbon electricity resulting is displacement of fossil fuel electricity generation as part of the UK National Grid.	Likely significant positive effects.	Undertake further clarifications and calculate the Greenhouse Gas footprint of our Project.
Health	Construction and Decommissioning	A significant number of jobs will be supported.	Likely significant positive effects.	A detailed assessment of the significance of effects will be presented in our ES.

Health	Operation	The provision of 740MW is a significant contribution towards national targets. This could contribute towards a positive effect on climate anxiety experienced by the population.	Likely significant positive effects	A detailed assessment of the significance of effects will be presented in our ES.
Health	Operation	Unsubsidised solar farms provide reliable renewable energy and can generate electricity at cheaper rates which helps to reduce energy costs for consumers.	Likely significant positive effects	A detailed assessment of the significance of effects will be presented in our ES.
Socio-Economics	Construction and Decommissioning	A significant number of jobs will be supported, directly and indirectly from our Project.	Likely significant positive effects.	A detailed assessment of the significance of effects will be presented in our ES.
Socio-Economics	Operation	A significant number of jobs will be supported, directly and indirectly from our Project.	Likely significant positive effects.	A detailed assessment of the significance of effects will be presented in our ES.
Socio-Economics	Operation	New permissive paths to create new routes connecting villages.	Likely significant positive effects.	A detailed assessment of the significance of effects will be presented in our ES.



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